



# **Synergy Resources Corporation**

**SEC 12-13 T6N R66W  
Falken 9-11 PAD  
Falken 32N-9B-L**

**OH  
Plan #1**

## **Anticollision Report**

**25 April, 2017**





|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Reference                    | Plan #1   |                |                     |
|------------------------------|---|----------------|---------------------|
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | Stations  | Error Model:   | ISCSWA              |
| Depth Range:                 | Unlimited   | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Maximum center-center distance of 10,000.00 ft                      | Error Surface: | Pedal Curve         |
| Warning Levels Evaluated at: | 2.45 Sigma  | Casing Method: | Not applied         |

| Survey Tool Program |            | Date              | 4/24/2017 |                 |  |
|---------------------|------------|-------------------|-----------|-----------------|--|
| From<br>(ft)        | To<br>(ft) | Survey (Wellbore) | Tool Name | Description     |  |
| 0.00                | 18,858.29  | Plan #1 (OH)      | MWD+IFR1  | OWSG MWD + IFR1 |  |

| Summary                               |                               |                            |                               |                                |                   |                     |
|---------------------------------------|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|---------------------|
| Site Name                             | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning             |
| Offset Well - Wellbore - Design       |                               |                            |                               |                                |                   |                     |
| Falken 9-11 PAD                       |                               |                            |                               |                                |                   |                     |
| 146 COMPANY #14-1 - OH - OH           | 12,393.98                     | 7,034.43                   | 4,309.51                      | 3,905.69                       | 10.672            | CC                  |
| 146 COMPANY #14-1 - OH - OH           | 12,500.00                     | 7,034.44                   | 4,310.82                      | 3,904.07                       | 10.598            | ES                  |
| 146 COMPANY #14-1 - OH - OH           | 13,300.00                     | 7,034.51                   | 4,403.72                      | 3,978.28                       | 10.351            | SF                  |
| ANDERSON #1-10-6-66(PA) - OH - OH     | 13,850.47                     | 7,072.56                   | 1,629.99                      | 1,184.01                       | 3.655             | CC                  |
| ANDERSON #1-10-6-66(PA) - OH - OH     | 13,900.00                     | 7,072.56                   | 1,630.74                      | 1,183.44                       | 3.646             | ES                  |
| ANDERSON #1-10-6-66(PA) - OH - OH     | 14,000.00                     | 7,072.57                   | 1,636.84                      | 1,187.43                       | 3.642             | SF                  |
| ANDERSON #32-10(PR) - OH - OH         | 15,216.58                     | 7,110.68                   | 1,000.02                      | 514.15                         | 2.058             | CC, ES, SF          |
| ANDERSON #42-10(PR) - OH - OH         | 13,873.56                     | 7,100.56                   | 806.14                        | 358.53                         | 1.801             | CC                  |
| ANDERSON #42-10(PR) - OH - OH         | 13,900.00                     | 7,100.56                   | 806.57                        | 358.34                         | 1.799             | ES, SF              |
| ANDERSON/JANUARY #1(PR) - OH - OH     | 12,521.86                     | 7,106.56                   | 399.36                        | -10.55                         | 0.974             | Level 1, CC, ES, SF |
| BLACK GOLD #5(PR) - OH - OH           | 17,128.34                     | 7,102.85                   | 925.89                        | 386.11                         | 1.715             | CC, ES, SF          |
| BLACK GOLD PETROLEUM #1(PR) - OH - OH | 17,852.82                     | 7,083.91                   | 1,711.55                      | 1,151.85                       | 3.058             | CC                  |
| BLACK GOLD PETROLEUM #1(PR) - OH - OH | 17,900.00                     | 7,083.92                   | 1,712.20                      | 1,151.27                       | 3.052             | ES, SF              |
| BLACK GOLD PETROLEUM #2(SI) - OH - OH | 17,890.63                     | 7,099.33                   | 372.02                        | 26.51                          | 1.077             | Level 2, CC         |
| BLACK GOLD PETROLEUM #2(SI) - OH - OH | 17,900.00                     | 7,099.37                   | 372.14                        | 26.45                          | 1.077             | Level 2, ES, SF     |
| BLACKGOLD #3(PA) - OH - OH            | 16,694.21                     | 7,084.81                   | 1,712.37                      | 1,185.54                       | 3.250             | CC                  |
| BLACKGOLD #3(PA) - OH - OH            | 16,700.00                     | 7,084.81                   | 1,712.38                      | 1,185.38                       | 3.249             | ES                  |
| BLACKGOLD #3(PA) - OH - OH            | 16,800.00                     | 7,084.82                   | 1,715.63                      | 1,186.31                       | 3.241             | SF                  |
| CARLSON #10-1(PA) - OH - OH           | 16,576.96                     | 7,103.20                   | 987.43                        | 463.28                         | 1.884             | CC                  |
| CARLSON #10-1(PA) - OH - OH           | 16,600.00                     | 7,103.20                   | 987.70                        | 462.98                         | 1.882             | ES, SF              |
| CARLSON #14-1(PR) - OH - OH           | 0.00                          | 0.00                       | 2,868.94                      |                                |                   |                     |
| CARLSON #14-1(PR) - OH - OH           | 10,300.00                     | 7,203.71                   | 3,571.48                      | 3,446.73                       | 28.629            | SF                  |
| CARLSON #14-2(SI) - OH - OH           | 300.00                        | 260.00                     | 4,247.70                      | 4,236.23                       | 370.128           | CC                  |
| CARLSON #14-2(SI) - OH - OH           | 10,000.00                     | 7,030.21                   | 4,300.51                      | 3,962.38                       | 12.718            | ES                  |
| CARLSON #14-2(SI) - OH - OH           | 11,000.00                     | 7,030.30                   | 4,437.74                      | 4,075.99                       | 12.267            | SF                  |
| Fagerberg 11C-7-M - OH - OH           | 3,040.20                      | 3,081.10                   | 527.63                        | 499.56                         | 18.801            | CC, ES              |
| Fagerberg 11C-7-M - OH - OH           | 7,700.00                      | 7,141.84                   | 705.94                        | 634.32                         | 9.857             | SF                  |
| Fagerberg 11N-7A-M - OH - OH          | 2,154.82                      | 2,160.96                   | 519.44                        | 498.92                         | 25.307            | CC                  |
| Fagerberg 11N-7A-M - OH - OH          | 2,200.00                      | 2,199.58                   | 519.79                        | 498.89                         | 24.866            | ES                  |
| Fagerberg 11N-7A-M - OH - OH          | 7,078.64                      | 7,483.89                   | 844.72                        | 774.64                         | 12.052            | SF                  |
| Fagerberg 15N-7A-M - OH - OH          | 944.38                        | 895.12                     | 756.44                        | 746.42                         | 75.504            | CC, ES              |
| Fagerberg 15N-7A-M - OH - OH          | 8,700.00                      | 6,533.00                   | 2,402.56                      | 2,316.91                       | 28.049            | SF                  |
| Fagerberg 23N-7C-M - OH - OH          | 950.54                        | 899.27                     | 880.68                        | 870.84                         | 89.480            | CC                  |
| Fagerberg 23N-7C-M - OH - OH          | 1,000.00                      | 940.98                     | 880.96                        | 870.80                         | 86.700            | ES                  |
| Fagerberg 23N-7C-M - OH - OH          | 8,100.00                      | 6,886.70                   | 1,423.75                      | 1,347.48                       | 18.667            | SF                  |
| Fagerberg 25N(S)-7B-M - OH - OH       | 7,372.14                      | 7,363.32                   | 28.88                         | -42.28                         | 0.406             | Level 1, CC, ES, SF |
| Fagerberg 25N-7B-M - OH - OH          | 2,998.27                      | 3,074.48                   | 107.59                        | 77.92                          | 3.626             | CC, ES              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

## Summary

| Site Name                              | Reference<br>Measured<br>Depth<br>(ft) | Offset<br>Measured<br>Depth<br>(ft) | Distance<br>Between<br>Centres<br>(ft) | Distance<br>Between<br>Ellipses<br>(ft) | Separation<br>Factor | Warning         |
|--|--|-------------------------------------|--|---|----------------------|-----------------|
| <b>Offset Well - Wellbore - Design</b> |  |                                     |  |   |                      |                 |
| Falken 9-11 PAD                        |  |                                     |  |   |                      |                 |
| Fagerberg 25N-7B-M - OH - OH           | 3,000.00                               | 3,075.56                            | 107.62                                 | 77.93                                   | 3.625                | SF              |
| Fagerberg 25N-7C-M - OH - OH           | 3,212.96                               | 3,277.29                            | 179.13                                 | 148.32                                  | 5.814                | CC, ES          |
| Fagerberg 25N-7C-M - OH - OH           | 7,550.00                               | 7,310.46                            | 293.20                                 | 220.30                                  | 4.022                | SF              |
| Fagerberg 28N-18B-M - OH - OH          | 278.02                                 | 269.37                              | 960.91                                 | 954.11                                  | 141.365              | CC, ES          |
| Fagerberg 28N-18B-M - OH - OH          | 9,200.00                               | 6,935.22                            | 3,039.03                               | 2,938.90                                | 30.350               | SF              |
| Fagerberg 36C-7-M - OH - OH            | 0.00                                   | 0.00                                | 944.31                                 |   |                      |                 |
| Fagerberg 36C-7-M - OH - OH            | 8,900.00                               | 6,790.34                            | 2,614.41                               | 2,522.57                                | 28.469               | SF              |
| Fagerberg 36N-7B-M - OH - OH           | 722.79                                 | 677.09                              | 924.45                                 | 916.00                                  | 109.476              | CC              |
| Fagerberg 36N-7B-M - OH - OH           | 800.00                                 | 739.74                              | 924.79                                 | 915.94                                  | 104.496              | ES              |
| Fagerberg 36N-7B-M - OH - OH           | 8,100.00                               | 8,100.00                            | 2,068.24                               | 1,985.53                                | 25.006               | SF              |
| Fagerberg 3C-18-M - OH - OH            | 100.00                                 | 88.08                               | 814.36                                 | 810.88                                  | 234.147              | CC, ES          |
| Fagerberg 3C-18-M - OH - OH            | 9,400.00                               | 6,418.00                            | 3,374.54                               | 3,274.31                                | 33.668               | SF              |
| Fagerberg 6C-7-M - OH - OH             | 4,256.71                               | 4,306.59                            | 313.54                                 | 274.21                                  | 7.973                | CC              |
| Fagerberg 6C-7-M - OH - OH             | 4,300.00                               | 4,345.81                            | 313.93                                 | 274.21                                  | 7.904                | ES              |
| Fagerberg 6C-7-M - OH - OH             | 7,538.87                               | 7,174.81                            | 415.39                                 | 344.13                                  | 5.829                | SF              |
| Fagerberg 6N-7C-M - OH - OH            | 4,082.53                               | 4,158.27                            | 204.07                                 | 166.21                                  | 5.390                | CC              |
| Fagerberg 6N-7C-M - OH - OH            | 4,100.00                               | 4,173.57                            | 204.25                                 | 166.19                                  | 5.367                | ES, SF          |
| Falken 16C-9-L - OH - Plan #1          | 300.00                                 | 300.00                              | 104.93                                 | 98.04                                   | 15.229               | CC, ES          |
| Falken 16C-9-L - OH - Plan #1          | 18,858.54                              | 19,048.73                           | 1,544.52                               | 864.31                                  | 2.271                | SF              |
| Falken 16N-9B-L - OH - Plan #1         | 200.00                                 | 200.00                              | 119.86                                 | 113.19                                  | 17.959               | CC, ES          |
| Falken 16N-9B-L - OH - Plan #1         | 18,858.54                              | 18,881.97                           | 1,860.91                               | 1,177.97                                | 2.725                | SF              |
| Falken 30C-14-S - OH - Plan #1         | 200.00                                 | 200.00                              | 179.97                                 | 173.30                                  | 26.966               | CC, ES          |
| Falken 30C-14-S - OH - Plan #1         | 13,400.00                              | 13,555.88                           | 2,668.46                               | 2,302.36                                | 7.289                | SF              |
| Falken 30N-14B-S - OH - Plan #1        | 200.00                                 | 200.00                              | 165.04                                 | 158.37                                  | 24.728               | CC, ES          |
| Falken 30N-14B-S - OH - Plan #1        | 13,400.00                              | 13,368.87                           | 2,454.79                               | 2,087.58                                | 6.685                | SF              |
| Falken 31C-14-S - Plan #1 - Plan #1    | 300.00                                 | 300.00                              | 240.09                                 | 233.20                                  | 34.847               | CC, ES          |
| Falken 31C-14-S - Plan #1 - Plan #1    | 13,200.00                              | 13,480.77                           | 3,574.01                               | 3,225.12                                | 10.244               | SF              |
| Falken 31N-14B-S - OH - Plan #1        | 300.00                                 | 300.00                              | 225.15                                 | 218.26                                  | 32.679               | CC, ES          |
| Falken 31N-14B-S - OH - Plan #1        | 13,200.00                              | 13,256.62                           | 3,359.48                               | 3,010.25                                | 9.620                | SF              |
| Falken 32C-9-L - OH - Plan #1          | 200.00                                 | 200.00                              | 14.93                                  | 8.26                                    | 2.237                | CC              |
| Falken 32C-9-L - OH - Plan #1          | 18,858.54                              | 19,042.44                           | 289.54                                 | -238.79                                 | 0.548                | Level 1, ES, SF |
| Falken 33C-9-L - OH - Plan #1          | 300.00                                 | 300.00                              | 75.05                                  | 68.16                                   | 10.893               | CC, ES          |
| Falken 33C-9-L - OH - Plan #1          | 18,858.54                              | 19,022.43                           | 1,127.51                               | 450.57                                  | 1.666                | SF              |
| Falken 33N-9A-L - OH - Plan #1         | 200.00                                 | 200.00                              | 60.11                                  | 53.43                                   | 9.006                | CC, ES          |
| Falken 33N-9A-L - OH - Plan #1         | 18,858.54                              | 18,707.96                           | 776.58                                 | 97.01                                   | 1.143                | Level 2, SF     |
| Falken 33N-9B-L - OH - Plan #1         | 300.00                                 | 300.00                              | 45.18                                  | 38.29                                   | 6.558                | CC              |
| Falken 33N-9B-L - OH - Plan #1         | 18,858.54                              | 18,840.15                           | 650.11                                 | -35.59                                  | 0.948                | Level 1, ES, SF |
| Falken 33N-9C-L - OH - Plan #1         | 200.00                                 | 200.00                              | 89.98                                  | 83.31                                   | 13.483               | CC, ES          |
| Falken 33N-9C-L - OH - Plan #1         | 18,858.54                              | 18,916.31                           | 1,315.49                               | 631.91                                  | 1.924                | SF              |
| Falken 34C-9-L - OH - Plan #1          | 300.00                                 | 300.00                              | 135.16                                 | 128.27                                  | 19.618               | CC, ES          |
| Falken 34C-9-L - OH - Plan #1          | 18,858.54                              | 19,118.22                           | 1,953.25                               | 1,271.39                                | 2.865                | SF              |
| Falken 34N-9C-L - OH - Plan #1         | 200.00                                 | 200.00                              | 150.10                                 | 143.42                                  | 22.490               | CC, ES          |
| Falken 34N-9C-L - OH - Plan #1         | 18,858.54                              | 19,011.54                           | 2,146.61                               | 1,463.02                                | 3.140                | SF              |
| Falken 4N-14A-S - OH - Plan #1         | 300.00                                 | 300.00                              | 194.91                                 | 188.02                                  | 28.290               | CC, ES          |
| Falken 4N-14A-S - OH - Plan #1         | 13,100.00                              | 13,002.01                           | 2,900.12                               | 2,553.05                                | 8.356                | SF              |
| Falken 4N-14C-S - OH - Plan #1         | 200.00                                 | 200.00                              | 209.85                                 | 203.17                                  | 31.442               | CC, ES          |
| Falken 4N-14C-S - OH - Plan #1         | 13,100.00                              | 13,210.89                           | 3,124.04                               | 2,776.99                                | 9.002                | SF              |
| Falken 9C-9-L - OH - Plan #1           | 209.71                                 | 209.71                              | 29.87                                  | 23.18                                   | 4.465                | CC              |
| Falken 9C-9-L - OH - Plan #1           | 18,858.54                              | 19,010.39                           | 548.27                                 | -100.00                                 | 0.846                | Level 1, ES, SF |
| Falken 9N-9C-L - OH - Plan #1          | 320.74                                 | 320.79                              | 14.68                                  | 7.73                                    | 2.113                | CC              |
| Falken 9N-9C-L - OH - Plan #1          | 15,900.00                              | 15,942.39                           | 110.93                                 | -288.53                                 | 0.278                | Level 1, SF     |
| Falken 9N-9C-L - OH - Plan #1          | 18,858.54                              | 18,897.91                           | 229.55                                 | -417.15                                 | 0.355                | Level 1, ES     |
| GILLESPIE #11-1(PA) - OH - OH          | 9,847.39                               | 7,066.20                            | 998.35                                 | 662.98                                  | 2.977                | CC, ES          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

## Summary

| Site Name                                   | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning             |
|---|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|---------------------|
| <b>Offset Well - Wellbore - Design</b>      |                               |                            |                               |                                |                   |                     |
| Falken 9-11 PAD                             |                               |                            |                               |                                |                   |                     |
| GILLESPIE #11-1(PA) - OH - OH               | 9,900.00                      | 7,066.21                   | 999.74                        | 663.13                         | 2.970             | SF                  |
| Harvesters Resources #15M-303(PR) - OH - OH | 15,740.43                     | 6,580.81                   | 2,431.67                      | 2,154.03                       | 8.758             | CC                  |
| Harvesters Resources #15M-303(PR) - OH - OH | 15,800.00                     | 6,580.85                   | 2,432.40                      | 2,153.19                       | 8.712             | ES                  |
| Harvesters Resources #15M-303(PR) - OH - OH | 16,000.00                     | 6,581.00                   | 2,445.49                      | 2,162.11                       | 8.630             | SF                  |
| Harvesters Resources #15M-423(PR) - OH - OH | 15,403.43                     | 6,619.93                   | 2,414.89                      | 2,147.00                       | 9.015             | CC                  |
| Harvesters Resources #15M-423(PR) - OH - OH | 15,500.00                     | 6,620.91                   | 2,416.82                      | 2,146.38                       | 8.937             | ES                  |
| Harvesters Resources #15M-423(PR) - OH - OH | 15,700.00                     | 6,622.94                   | 2,433.02                      | 2,158.54                       | 8.864             | SF                  |
| Harvesters Resources #15R-243(PR) - OH - OH | 14,928.72                     | 6,556.58                   | 2,440.55                      | 2,186.77                       | 9.617             | CC                  |
| Harvesters Resources #15R-243(PR) - OH - OH | 15,000.00                     | 6,556.74                   | 2,441.60                      | 2,185.85                       | 9.547             | ES                  |
| Harvesters Resources #15R-243(PR) - OH - OH | 15,300.00                     | 6,557.38                   | 2,468.63                      | 2,206.79                       | 9.428             | SF                  |
| Harvesters Resources #15R-323(PR) - OH - OH | 14,250.14                     | 6,600.00                   | 2,424.40                      | 2,189.47                       | 10.320            | CC                  |
| Harvesters Resources #15R-323(PR) - OH - OH | 14,300.00                     | 6,600.00                   | 2,424.91                      | 2,188.66                       | 10.264            | ES                  |
| Harvesters Resources #15R-323(PR) - OH - OH | 14,600.00                     | 6,600.00                   | 2,449.51                      | 2,207.17                       | 10.108            | SF                  |
| Harvesters Resources #15R-403(PR) - OH - OH | 14,580.76                     | 6,700.00                   | 2,410.32                      | 2,161.08                       | 9.671             | CC                  |
| Harvesters Resources #15R-403(PR) - OH - OH | 14,600.00                     | 6,700.00                   | 2,410.40                      | 2,160.64                       | 9.651             | ES                  |
| Harvesters Resources #15R-403(PR) - OH - OH | 14,900.00                     | 6,700.00                   | 2,431.37                      | 2,175.41                       | 9.499             | SF                  |
| Harvesters Resources #15U-203(PR) - OH - OH | 13,374.93                     | 6,535.90                   | 2,441.69                      | 2,233.19                       | 11.711            | CC                  |
| Harvesters Resources #15U-203(PR) - OH - OH | 13,400.00                     | 6,535.90                   | 2,441.82                      | 2,232.61                       | 11.672            | ES                  |
| Harvesters Resources #15U-203(PR) - OH - OH | 13,800.00                     | 6,535.92                   | 2,478.41                      | 2,260.53                       | 11.375            | SF                  |
| Harvesters Resources #15U-443(PR) - OH - OH | 13,835.54                     | 6,641.88                   | 2,410.60                      | 2,189.04                       | 10.880            | CC                  |
| Harvesters Resources #15U-443(PR) - OH - OH | 13,900.00                     | 6,641.89                   | 2,411.46                      | 2,188.16                       | 10.799            | ES                  |
| Harvesters Resources #15U-443(PR) - OH - OH | 14,200.00                     | 6,641.89                   | 2,438.00                      | 2,208.43                       | 10.620            | SF                  |
| J.R. #1(PA) - OH - OH                       | 8,426.98                      | 6,976.07                   | 914.39                        | 617.18                         | 3.077             | CC, ES              |
| J.R. #1(PA) - OH - OH                       | 8,500.00                      | 6,976.08                   | 917.30                        | 618.67                         | 3.072             | SF                  |
| Jeff #1 - OH - OH                           | 11,213.76                     | 7,034.89                   | 2,800.22                      | 2,642.92                       | 17.803            | CC                  |
| Jeff #1 - OH - OH                           | 11,300.00                     | 7,035.12                   | 2,801.55                      | 2,641.92                       | 17.551            | ES                  |
| Jeff #1 - OH - OH                           | 11,900.00                     | 7,036.70                   | 2,883.08                      | 2,710.68                       | 16.723            | SF                  |
| JOHNSON #1(PA) - OH - OH                    | 9,868.69                      | 7,110.84                   | 1,526.89                      | 1,405.55                       | 12.584            | CC                  |
| JOHNSON #1(PA) - OH - OH                    | 9,900.00                      | 7,110.91                   | 1,527.21                      | 1,405.05                       | 12.502            | ES                  |
| JOHNSON #1(PA) - OH - OH                    | 10,200.00                     | 7,111.63                   | 1,562.42                      | 1,434.21                       | 12.186            | SF                  |
| JOHNSON #11-16G6(TA) - OH - OH              | 300.00                        | 281.00                     | 1,144.68                      | 1,132.52                       | 94.207            | CC                  |
| JOHNSON #11-16G6(TA) - OH - OH              | 8,900.00                      | 7,051.12                   | 1,303.76                      | 992.98                         | 4.195             | ES                  |
| JOHNSON #11-16G6(TA) - OH - OH              | 9,000.00                      | 7,051.13                   | 1,308.48                      | 995.41                         | 4.179             | SF                  |
| JOHNSON #2(PA) - OH - OH                    | 8,609.70                      | 7,053.10                   | 340.65                        | 251.03                         | 3.801             | CC, ES, SF          |
| KRISTY #1(PA) - OH - OH                     | 12,456.69                     | 7,041.68                   | 2,830.59                      | 2,638.81                       | 14.760            | CC                  |
| KRISTY #1(PA) - OH - OH                     | 12,500.00                     | 7,041.58                   | 2,830.92                      | 2,637.94                       | 14.670            | ES                  |
| KRISTY #1(PA) - OH - OH                     | 13,100.00                     | 7,040.30                   | 2,902.77                      | 2,697.21                       | 14.121            | SF                  |
| Merritt #6-66-9-0758CDH(PR) - OH - OH       | 18,858.54                     | 10,143.04                  | 526.05                        | 393.86                         | 3.980             | CC, ES, SF          |
| Merritt #6-66-9-0857CH(PR) - OH - OH        | 18,858.54                     | 10,195.90                  | 269.08                        | 132.58                         | 1.971             | CC, ES, SF          |
| Merritt 6-66-9-0857BH(PR) - OH - OH         | 18,858.54                     | 9,989.23                   | 416.35                        | 304.86                         | 3.734             | CC, ES, SF          |
| MICHAEL I #14-2 - OH - OH                   | 9,979.16                      | 7,049.21                   | 2,966.34                      | 2,628.08                       | 8.770             | CC                  |
| MICHAEL I #14-2 - OH - OH                   | 10,100.00                     | 7,049.22                   | 2,968.80                      | 2,627.38                       | 8.696             | ES                  |
| MICHAEL I #14-2 - OH - OH                   | 10,500.00                     | 7,049.26                   | 3,011.71                      | 2,660.90                       | 8.585             | SF                  |
| Montera #10-33(PR) - OH - OH                | 15,062.66                     | 7,087.66                   | 135.99                        | -344.73                        | 0.283             | Level 1, CC, ES, SF |
| Montera #10-34(PR) - OH - OH                | 15,420.81                     | 7,074.70                   | 1,831.60                      | 1,341.21                       | 3.735             | CC                  |
| Montera #10-34(PR) - OH - OH                | 15,500.00                     | 7,074.70                   | 1,833.32                      | 1,340.89                       | 3.723             | ES                  |
| Montera #10-34(PR) - OH - OH                | 15,600.00                     | 7,074.71                   | 1,840.35                      | 1,346.01                       | 3.723             | SF                  |
| Montera #10-43(SI) - OH - OH                | 13,726.49                     | 7,080.54                   | 253.71                        | -189.06                        | 0.573             | Level 1, CC, ES, SF |
| MONTERA I #11-11(PR) - OH - OH              | 11,381.95                     | 7,086.34                   | 429.43                        | 51.86                          | 1.137             | Level 2, CC         |
| MONTERA I #11-11(PR) - OH - OH              | 11,400.00                     | 7,086.34                   | 429.80                        | 51.83                          | 1.137             | Level 2, ES, SF     |
| MONTERA I #11-14(PR) - OH - OH              | 11,074.64                     | 7,068.31                   | 1,606.64                      | 1,238.14                       | 4.360             | CC                  |
| MONTERA I #11-14(PR) - OH - OH              | 11,100.00                     | 7,068.31                   | 1,606.84                      | 1,237.65                       | 4.352             | ES                  |
| MONTERA I #11-14(PR) - OH - OH              | 11,200.00                     | 7,068.32                   | 1,611.52                      | 1,239.90                       | 4.336             | SF                  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

## Summary

| Site Name                              | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning             |
|--|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|---------------------|
| <b>Offset Well - Wellbore - Design</b> |                               |                            |                               |                                |                   |                     |
| Falken 9-11 PAD                        |                               |                            |                               |                                |                   |                     |
| MONTERA I #14-8 - OH - OH              | 300.00                        | 278.00                     | 4,064.46                      | 4,052.41                       | 337.196           | CC                  |
| MONTERA I #14-8 - OH - OH              | 600.00                        | 577.45                     | 4,070.00                      | 4,047.25                       | 178.950           | ES                  |
| MONTERA I #14-8 - OH - OH              | 9,700.00                      | 7,048.19                   | 4,681.75                      | 4,353.78                       | 14.275            | SF                  |
| OPAL #1(PA) - OH - OH                  | 12,536.44                     | 7,110.44                   | 981.37                        | 570.92                         | 2.391             | CC, ES              |
| OPAL #1(PA) - OH - OH                  | 12,600.00                     | 7,110.44                   | 983.42                        | 571.57                         | 2.388             | SF                  |
| OTTOSON #2(PA) - OH - OH               | 0.00                          | 0.00                       | 3,873.51                      |                                |                   |                     |
| OTTOSON #2(PA) - OH - OH               | 10,200.00                     | 7,084.06                   | 5,180.90                      | 5,067.65                       | 45.749            | SF                  |
| OTTOSON #3(PR) - OH - OH               | 2,944.58                      | 2,845.55                   | 1,462.61                      | 1,435.83                       | 54.604            | CC                  |
| OTTOSON #3(PR) - OH - OH               | 3,300.00                      | 3,196.10                   | 1,464.81                      | 1,434.79                       | 48.799            | ES                  |
| OTTOSON #3(PR) - OH - OH               | 7,700.00                      | 7,013.88                   | 1,762.27                      | 1,691.24                       | 24.810            | SF                  |
| OTTOSON I #12-12(PR) - OH - OH         | 4,778.56                      | 4,637.03                   | 238.38                        | 194.96                         | 5.490             | CC                  |
| OTTOSON I #12-12(PR) - OH - OH         | 4,800.00                      | 4,657.15                   | 238.47                        | 194.84                         | 5.466             | ES                  |
| OTTOSON I #12-12(PR) - OH - OH         | 4,900.00                      | 4,752.03                   | 241.11                        | 196.54                         | 5.409             | SF                  |
| OTTOSON I #12-25(PR) - OH - OH         | 6,517.84                      | 6,349.57                   | 1,126.20                      | 1,066.80                       | 18.961            | CC, ES              |
| OTTOSON I #12-25(PR) - OH - OH         | 6,650.00                      | 6,481.59                   | 1,134.24                      | 1,073.78                       | 18.762            | SF                  |
| POP I #14-17 - OH - OH                 | 300.00                        | 275.00                     | 3,579.15                      | 3,567.19                       | 299.335           | CC                  |
| POP I #14-17 - OH - OH                 | 9,300.00                      | 7,045.15                   | 3,857.69                      | 3,537.21                       | 12.037            | ES                  |
| POP I #14-17 - OH - OH                 | 10,100.00                     | 7,045.22                   | 3,963.41                      | 3,624.29                       | 11.687            | SF                  |
| SOUTH WOODS #10-3(PA) - OH - OH        | 16,511.06                     | 7,066.79                   | 254.91                        | -266.10                        | 0.489             | Level 1, CC, ES, SF |
| SOUTHARD #2(PR) - OH - OH              | 7,239.13                      | 6,955.95                   | 1,000.88                      | 935.11                         | 15.219            | CC                  |
| SOUTHARD #2(PR) - OH - OH              | 7,250.00                      | 6,961.21                   | 1,000.93                      | 935.06                         | 15.196            | ES                  |
| SOUTHARD #2(PR) - OH - OH              | 7,400.00                      | 7,017.36                   | 1,013.27                      | 945.96                         | 15.055            | SF                  |

|   |                     |                     |                     |                |             |                       |                                   |            |                               |                                |                         |                   |                    |         |
|---|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|-------------------------------|--------------------------------|-------------------------|-------------------|--------------------|---------|
| <b>Offset Design</b>                    |                     |                     |                     |                |             |                       |                                   |            |                               |                                |                         |                   | Offset Site Error: | 0.00 ft |
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                |             |                       |                                   |            |                               |                                |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     |                     |                     |                |             |                       |                                   |            |                               |                                |                         |                   |                    |         |
| Offset                                  |                     |                     |                     |                |             |                       |                                   |            |                               |                                |                         |                   |                    |         |
| Semi Major Axis                         |                     |                     |                     |                |             |                       |                                   |            |                               |                                |                         |                   |                    |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning            |         |
| 0.00                                    | 0.00                | 0.00                | 0.00                | 3.28           | 3.28        | -132.45               | -3,881.68                         | -4,243.04  | 5,750.83                      |                                |                         |                   |                    |         |
| 100.00                                  | 100.00              | 64.00               | 64.00               | 3.28           | 3.47        | -132.45               | -3,881.68                         | -4,243.04  | 5,750.72                      | 5,743.97                       | 6.75                    | 851.991           |                    |         |
| 200.00                                  | 200.00              | 164.00              | 164.00              | 3.34           | 5.16        | -132.45               | -3,881.68                         | -4,243.04  | 5,750.72                      | 5,742.23                       | 8.49                    | 677.015           |                    |         |
| 300.00                                  | 300.00              | 264.00              | 264.00              | 3.44           | 8.16        | -132.45               | -3,881.68                         | -4,243.04  | 5,750.72                      | 5,739.12                       | 11.60                   | 495.582           |                    |         |
| 400.00                                  | 399.98              | 363.98              | 363.98              | 3.60           | 11.44       | 155.04                | -3,881.68                         | -4,243.04  | 5,752.30                      | 5,737.26                       | 15.04                   | 382.405           |                    |         |
| 500.00                                  | 499.84              | 463.84              | 463.84              | 3.80           | 14.81       | 155.02                | -3,881.68                         | -4,243.04  | 5,757.05                      | 5,738.43                       | 18.62                   | 309.235           |                    |         |
| 600.00                                  | 599.45              | 563.45              | 563.45              | 4.04           | 18.22       | 154.99                | -3,881.68                         | -4,243.04  | 5,764.95                      | 5,742.69                       | 22.27                   | 258.905           |                    |         |
| 700.00                                  | 698.70              | 662.70              | 662.70              | 4.32           | 21.64       | 154.95                | -3,881.68                         | -4,243.04  | 5,776.01                      | 5,750.05                       | 25.96                   | 222.486           |                    |         |
| 800.00                                  | 797.47              | 761.47              | 761.47              | 4.63           | 25.05       | 154.89                | -3,881.68                         | -4,243.04  | 5,790.21                      | 5,760.53                       | 29.68                   | 195.070           |                    |         |
| 900.00                                  | 895.62              | 859.62              | 859.62              | 4.97           | 28.45       | 154.82                | -3,881.68                         | -4,243.04  | 5,807.54                      | 5,774.12                       | 33.42                   | 173.784           |                    |         |
| 924.00                                  | 919.08              | 883.08              | 883.08              | 5.06           | 29.27       | 154.80                | -3,881.68                         | -4,243.04  | 5,812.16                      | 5,777.84                       | 34.32                   | 169.357           |                    |         |
| 1,000.00                                | 993.28              | 957.28              | 957.28              | 5.34           | 31.84       | 154.87                | -3,881.68                         | -4,243.04  | 5,827.09                      | 5,789.93                       | 37.16                   | 156.801           |                    |         |
| 1,100.00                                | 1,090.92            | 1,054.92            | 1,054.92            | 5.73           | 35.23       | 154.96                | -3,881.68                         | -4,243.04  | 5,846.75                      | 5,805.82                       | 40.92                   | 142.877           |                    |         |
| 1,200.00                                | 1,188.56            | 1,152.56            | 1,152.56            | 6.15           | 38.63       | 155.05                | -3,881.68                         | -4,243.04  | 5,866.41                      | 5,821.71                       | 44.70                   | 131.241           |                    |         |
| 1,300.00                                | 1,286.19            | 1,250.19            | 1,250.19            | 6.57           | 42.03       | 155.14                | -3,881.68                         | -4,243.04  | 5,886.10                      | 5,837.60                       | 48.49                   | 121.382           |                    |         |
| 1,400.00                                | 1,383.83            | 1,347.83            | 1,347.83            | 7.01           | 45.43       | 155.23                | -3,881.68                         | -4,243.04  | 5,905.79                      | 5,853.49                       | 52.30                   | 112.928           |                    |         |
| 1,500.00                                | 1,481.47            | 1,445.47            | 1,445.47            | 7.46           | 48.83       | 155.31                | -3,881.68                         | -4,243.04  | 5,925.50                      | 5,869.39                       | 56.11                   | 105.601           |                    |         |
| 1,600.00                                | 1,579.10            | 1,543.10            | 1,543.10            | 7.91           | 52.23       | 155.40                | -3,881.68                         | -4,243.04  | 5,945.22                      | 5,885.29                       | 59.94                   | 99.194            |                    |         |
| 1,700.00                                | 1,676.74            | 1,640.74            | 1,640.74            | 8.37           | 55.63       | 155.49                | -3,881.68                         | -4,243.04  | 5,964.96                      | 5,901.19                       | 63.77                   | 93.545            |                    |         |
| 1,800.00                                | 1,774.38            | 1,738.38            | 1,738.38            | 8.84           | 59.03       | 155.57                | -3,881.68                         | -4,243.04  | 5,984.71                      | 5,917.10                       | 67.60                   | 88.529            |                    |         |
| 1,900.00                                | 1,872.02            | 1,836.02            | 1,836.02            | 9.31           | 62.44       | 155.66                | -3,881.68                         | -4,243.04  | 6,004.47                      | 5,933.02                       | 71.44                   | 84.045            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 2,000.00                                | 1,969.65            | 1,933.65            | 1,933.65            | 9.79            | 65.84       | 155.74                | -3,881.68                         | -4,243.04  | 6,024.24             | 5,948.95              | 75.29                   | 80.015            |                    |         |
| 2,100.00                                | 2,067.29            | 2,031.29            | 2,031.29            | 10.27           | 69.24       | 155.83                | -3,881.68                         | -4,243.04  | 6,044.03             | 5,964.89              | 79.14                   | 76.373            |                    |         |
| 2,200.00                                | 2,164.93            | 2,128.93            | 2,128.93            | 10.75           | 72.65       | 155.91                | -3,881.68                         | -4,243.04  | 6,063.83             | 5,980.83              | 82.99                   | 73.066            |                    |         |
| 2,300.00                                | 2,262.56            | 2,226.56            | 2,226.56            | 11.24           | 76.05       | 155.99                | -3,881.68                         | -4,243.04  | 6,083.64             | 5,996.79              | 86.85                   | 70.051            |                    |         |
| 2,400.00                                | 2,360.20            | 2,324.20            | 2,324.20            | 11.73           | 79.46       | 156.07                | -3,881.68                         | -4,243.04  | 6,103.46             | 6,012.76              | 90.70                   | 67.290            |                    |         |
| 2,500.00                                | 2,457.84            | 2,421.84            | 2,421.84            | 12.22           | 82.87       | 156.16                | -3,881.68                         | -4,243.04  | 6,123.29             | 6,028.73              | 94.56                   | 64.753            |                    |         |
| 2,600.00                                | 2,555.48            | 2,519.48            | 2,519.48            | 12.71           | 86.27       | 156.24                | -3,881.68                         | -4,243.04  | 6,143.14             | 6,044.72              | 98.43                   | 62.414            |                    |         |
| 2,700.00                                | 2,653.11            | 2,617.11            | 2,617.11            | 13.20           | 89.68       | 156.32                | -3,881.68                         | -4,243.04  | 6,163.00             | 6,060.71              | 102.29                  | 60.251            |                    |         |
| 2,800.00                                | 2,750.75            | 2,714.75            | 2,714.75            | 13.70           | 93.08       | 156.40                | -3,881.68                         | -4,243.04  | 6,182.87             | 6,076.72              | 106.15                  | 58.245            |                    |         |
| 2,900.00                                | 2,848.39            | 2,812.39            | 2,812.39            | 14.19           | 96.49       | 156.48                | -3,881.68                         | -4,243.04  | 6,202.75             | 6,092.73              | 110.02                  | 56.379            |                    |         |
| 3,000.00                                | 2,946.02            | 2,910.02            | 2,910.02            | 14.69           | 99.90       | 156.56                | -3,881.68                         | -4,243.04  | 6,222.65             | 6,108.76              | 113.89                  | 54.639            |                    |         |
| 3,100.00                                | 3,043.66            | 3,007.66            | 3,007.66            | 15.19           | 103.30      | 156.64                | -3,881.68                         | -4,243.04  | 6,242.55             | 6,124.80              | 117.76                  | 53.013            |                    |         |
| 3,200.00                                | 3,141.30            | 3,105.30            | 3,105.30            | 15.69           | 106.71      | 156.71                | -3,881.68                         | -4,243.04  | 6,262.47             | 6,140.85              | 121.63                  | 51.490            |                    |         |
| 3,300.00                                | 3,238.94            | 3,202.94            | 3,202.94            | 16.19           | 110.12      | 156.79                | -3,881.68                         | -4,243.04  | 6,282.40             | 6,156.90              | 125.50                  | 50.061            |                    |         |
| 3,400.00                                | 3,336.57            | 3,300.57            | 3,300.57            | 16.69           | 113.53      | 156.87                | -3,881.68                         | -4,243.04  | 6,302.34             | 6,172.97              | 129.37                  | 48.717            |                    |         |
| 3,500.00                                | 3,434.21            | 3,401.79            | 3,398.21            | 17.19           | 117.06      | 156.94                | -3,881.68                         | -4,243.04  | 6,322.29             | 6,188.92              | 133.36                  | 47.407            |                    |         |
| 3,600.00                                | 3,531.85            | 3,504.15            | 3,495.85            | 17.69           | 120.63      | 157.02                | -3,881.68                         | -4,243.04  | 6,342.25             | 6,204.85              | 137.40                  | 46.159            |                    |         |
| 3,700.00                                | 3,629.48            | 3,606.52            | 3,593.48            | 18.20           | 124.20      | 157.10                | -3,881.68                         | -4,243.04  | 6,362.22             | 6,220.78              | 141.44                  | 44.982            |                    |         |
| 3,800.00                                | 3,727.12            | 3,708.88            | 3,691.12            | 18.70           | 127.77      | 157.17                | -3,881.68                         | -4,243.04  | 6,382.20             | 6,236.73              | 145.48                  | 43.871            |                    |         |
| 3,900.00                                | 3,824.76            | 3,788.76            | 3,788.76            | 19.21           | 130.56      | 157.25                | -3,881.68                         | -4,243.04  | 6,402.20             | 6,253.46              | 148.73                  | 43.045            |                    |         |
| 4,000.00                                | 3,922.40            | 3,886.40            | 3,886.40            | 19.71           | 133.97      | 157.32                | -3,881.68                         | -4,243.04  | 6,422.20             | 6,269.59              | 152.61                  | 42.084            |                    |         |
| 4,100.00                                | 4,020.03            | 3,984.03            | 3,984.03            | 20.21           | 137.38      | 157.39                | -3,881.68                         | -4,243.04  | 6,442.21             | 6,285.73              | 156.48                  | 41.169            |                    |         |
| 4,200.00                                | 4,117.67            | 4,081.67            | 4,081.67            | 20.72           | 140.78      | 157.47                | -3,881.68                         | -4,243.04  | 6,462.24             | 6,301.88              | 160.36                  | 40.299            |                    |         |
| 4,300.00                                | 4,215.31            | 4,179.31            | 4,179.31            | 21.23           | 144.19      | 157.54                | -3,881.68                         | -4,243.04  | 6,482.27             | 6,318.04              | 164.23                  | 39.470            |                    |         |
| 4,400.00                                | 4,312.94            | 4,276.94            | 4,276.94            | 21.73           | 147.60      | 157.61                | -3,881.68                         | -4,243.04  | 6,502.32             | 6,334.21              | 168.11                  | 38.680            |                    |         |
| 4,500.00                                | 4,410.58            | 4,374.58            | 4,374.58            | 22.24           | 151.01      | 157.69                | -3,881.68                         | -4,243.04  | 6,522.37             | 6,350.39              | 171.98                  | 37.924            |                    |         |
| 4,600.00                                | 4,508.22            | 4,472.22            | 4,472.22            | 22.75           | 154.41      | 157.76                | -3,881.68                         | -4,243.04  | 6,542.43             | 6,366.57              | 175.86                  | 37.203            |                    |         |
| 4,700.00                                | 4,605.86            | 4,569.86            | 4,569.86            | 23.25           | 157.82      | 157.83                | -3,881.68                         | -4,243.04  | 6,562.51             | 6,382.77              | 179.74                  | 36.512            |                    |         |
| 4,800.00                                | 4,703.49            | 4,667.49            | 4,667.49            | 23.76           | 161.23      | 157.90                | -3,881.68                         | -4,243.04  | 6,582.59             | 6,398.98              | 183.61                  | 35.850            |                    |         |
| 4,900.00                                | 4,801.13            | 4,765.13            | 4,765.13            | 24.27           | 164.64      | 157.97                | -3,881.68                         | -4,243.04  | 6,602.68             | 6,415.19              | 187.49                  | 35.216            |                    |         |
| 5,000.00                                | 4,898.77            | 4,862.77            | 4,862.77            | 24.77           | 168.05      | 158.04                | -3,881.68                         | -4,243.04  | 6,622.79             | 6,431.42              | 191.37                  | 34.608            |                    |         |
| 5,100.00                                | 4,996.40            | 4,960.40            | 4,960.40            | 25.28           | 171.45      | 158.11                | -3,881.68                         | -4,243.04  | 6,642.90             | 6,447.65              | 195.25                  | 34.023            |                    |         |
| 5,200.00                                | 5,094.04            | 5,058.04            | 5,058.04            | 25.79           | 174.86      | 158.18                | -3,881.68                         | -4,243.04  | 6,663.02             | 6,463.90              | 199.12                  | 33.462            |                    |         |
| 5,300.00                                | 5,191.68            | 5,155.68            | 5,155.68            | 26.30           | 178.27      | 158.25                | -3,881.68                         | -4,243.04  | 6,683.15             | 6,480.15              | 203.00                  | 32.922            |                    |         |
| 5,400.00                                | 5,289.32            | 5,253.32            | 5,253.32            | 26.81           | 181.68      | 158.31                | -3,881.68                         | -4,243.04  | 6,703.29             | 6,496.41              | 206.88                  | 32.402            |                    |         |
| 5,500.00                                | 5,386.95            | 5,350.95            | 5,350.95            | 27.32           | 185.09      | 158.38                | -3,881.68                         | -4,243.04  | 6,723.44             | 6,512.69              | 210.76                  | 31.901            |                    |         |
| 5,600.00                                | 5,484.59            | 5,448.59            | 5,448.59            | 27.83           | 188.49      | 158.45                | -3,881.68                         | -4,243.04  | 6,743.60             | 6,528.97              | 214.64                  | 31.419            |                    |         |
| 5,700.00                                | 5,582.23            | 5,546.23            | 5,546.23            | 28.33           | 191.90      | 158.52                | -3,881.68                         | -4,243.04  | 6,763.77             | 6,545.25              | 218.51                  | 30.954            |                    |         |
| 5,800.00                                | 5,679.87            | 5,643.87            | 5,643.87            | 28.84           | 195.31      | 158.58                | -3,881.68                         | -4,243.04  | 6,783.94             | 6,561.55              | 222.39                  | 30.504            |                    |         |
| 5,900.00                                | 5,777.50            | 5,741.50            | 5,741.50            | 29.35           | 198.72      | 158.65                | -3,881.68                         | -4,243.04  | 6,804.13             | 6,577.86              | 226.27                  | 30.071            |                    |         |
| 6,000.00                                | 5,875.14            | 5,839.14            | 5,839.14            | 29.86           | 202.13      | 158.72                | -3,881.68                         | -4,243.04  | 6,824.32             | 6,594.17              | 230.15                  | 29.652            |                    |         |
| 6,100.00                                | 5,972.78            | 5,936.78            | 5,936.78            | 30.37           | 205.53      | 158.78                | -3,881.68                         | -4,243.04  | 6,844.53             | 6,610.50              | 234.03                  | 29.247            |                    |         |
| 6,200.00                                | 6,070.41            | 6,034.41            | 6,034.41            | 30.88           | 208.94      | 158.85                | -3,881.68                         | -4,243.04  | 6,864.74             | 6,626.83              | 237.91                  | 28.855            |                    |         |
| 6,300.00                                | 6,168.05            | 6,132.05            | 6,132.05            | 31.39           | 212.35      | 158.91                | -3,881.68                         | -4,243.04  | 6,884.96             | 6,643.17              | 241.79                  | 28.475            |                    |         |
| 6,400.00                                | 6,265.69            | 6,229.69            | 6,229.69            | 31.90           | 215.76      | 158.98                | -3,881.68                         | -4,243.04  | 6,905.18             | 6,659.52              | 245.67                  | 28.108            |                    |         |
| 6,439.09                                | 6,303.85            | 6,267.85            | 6,267.85            | 32.10           | 217.09      | 159.00                | -3,881.68                         | -4,243.04  | 6,913.09             | 6,665.91              | 247.18                  | 27.968            |                    |         |
| 6,450.00                                | 6,314.53            | 6,278.53            | 6,278.53            | 32.16           | 217.46      | 160.60                | -3,881.68                         | -4,243.04  | 6,915.23             | 6,667.63              | 247.61                  | 27.928            |                    |         |
| 6,500.00                                | 6,363.83            | 6,327.83            | 6,327.83            | 32.39           | 219.18      | 172.48                | -3,881.68                         | -4,243.04  | 6,923.18             | 6,673.63              | 249.55                  | 27.743            |                    |         |
| 6,550.00                                | 6,413.58            | 6,377.58            | 6,377.58            | 32.60           | 220.92      | -154.67               | -3,881.68                         | -4,243.04  | 6,928.08             | 6,676.58              | 251.50                  | 27.547            |                    |         |
| 6,600.00                                | 6,463.45            | 6,427.45            | 6,427.45            | 32.79           | 222.66      | -93.75                | -3,881.68                         | -4,243.04  | 6,929.89             | 6,676.45              | 253.43                  | 27.344            |                    |         |
| 6,650.00                                | 6,513.15            | 6,477.15            | 6,477.15            | 32.97           | 224.40      | -66.36                | -3,881.68                         | -4,243.04  | 6,928.60             | 6,673.26              | 255.35                  | 27.134            |                    |         |
| 6,700.00                                | 6,562.37            | 6,526.37            | 6,526.37            | 33.15           | 226.11      | -56.66                | -3,881.68                         | -4,243.04  | 6,924.24             | 6,667.01              | 257.24                  | 26.918            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2° Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 6,750.00                                | 6,610.80            | 6,574.80            | 6,574.80            | 33.34           | 227.80      | -52.34                | -3,881.68                         | -4,243.04  | 6,916.83             | 6,657.74              | 259.09                  | 26.697            |                    |         |
| 6,800.00                                | 6,658.14            | 6,622.14            | 6,622.14            | 33.53           | 229.46      | -50.26                | -3,881.68                         | -4,243.04  | 6,906.43             | 6,645.54              | 260.90                  | 26.472            |                    |         |
| 6,850.00                                | 6,704.11            | 6,668.11            | 6,668.11            | 33.74           | 231.06      | -49.39                | -3,881.68                         | -4,243.04  | 6,893.12             | 6,630.47              | 262.65                  | 26.245            |                    |         |
| 6,900.00                                | 6,748.42            | 6,712.42            | 6,712.42            | 33.97           | 232.61      | -49.29                | -3,881.68                         | -4,243.04  | 6,876.99             | 6,612.65              | 264.34                  | 26.016            |                    |         |
| 6,950.00                                | 6,790.79            | 6,754.79            | 6,754.79            | 34.21           | 234.09      | -49.77                | -3,881.68                         | -4,243.04  | 6,858.16             | 6,592.20              | 265.96                  | 25.786            |                    |         |
| 7,000.00                                | 6,830.97            | 6,805.03            | 6,794.97            | 34.48           | 235.84      | -50.74                | -3,881.68                         | -4,243.04  | 6,836.76             | 6,568.90              | 267.86                  | 25.524            |                    |         |
| 7,050.00                                | 6,868.71            | 6,832.71            | 6,832.71            | 34.77           | 236.81      | -52.14                | -3,881.68                         | -4,243.04  | 6,812.93             | 6,543.96              | 268.97                  | 25.330            |                    |         |
| 7,100.00                                | 6,903.77            | 6,867.77            | 6,867.77            | 35.09           | 238.03      | -53.96                | -3,881.68                         | -4,243.04  | 6,786.85             | 6,516.51              | 270.35                  | 25.104            |                    |         |
| 7,150.00                                | 6,935.93            | 6,900.07            | 6,899.93            | 35.44           | 239.16      | -56.19                | -3,881.68                         | -4,243.04  | 6,758.69             | 6,487.06              | 271.64                  | 24.881            |                    |         |
| 7,200.00                                | 6,965.01            | 6,929.01            | 6,929.01            | 35.83           | 240.17      | -58.83                | -3,881.68                         | -4,243.04  | 6,728.65             | 6,455.82              | 272.83                  | 24.663            |                    |         |
| 7,250.00                                | 6,990.82            | 6,954.82            | 6,954.82            | 36.26           | 241.07      | -61.90                | -3,881.68                         | -4,243.04  | 6,696.92             | 6,422.99              | 273.93                  | 24.448            |                    |         |
| 7,300.00                                | 7,013.20            | 6,977.20            | 6,977.20            | 36.72           | 241.85      | -65.37                | -3,881.68                         | -4,243.04  | 6,663.72             | 6,388.79              | 274.93                  | 24.238            |                    |         |
| 7,350.00                                | 7,032.02            | 7,003.98            | 6,996.02            | 37.23           | 242.79      | -69.25                | -3,881.68                         | -4,243.04  | 6,629.27             | 6,353.16              | 276.11                  | 24.010            |                    |         |
| 7,400.00                                | 7,047.15            | 7,011.15            | 7,011.15            | 37.77           | 243.04      | -73.50                | -3,881.68                         | -4,243.04  | 6,593.79             | 6,317.16              | 276.63                  | 23.836            |                    |         |
| 7,450.00                                | 7,058.51            | 7,022.51            | 7,022.51            | 38.34           | 243.43      | -78.07                | -3,881.68                         | -4,243.04  | 6,557.51             | 6,280.19              | 277.32                  | 23.646            |                    |         |
| 7,500.00                                | 7,066.02            | 7,030.02            | 7,030.02            | 38.95           | 243.70      | -82.89                | -3,881.68                         | -4,243.04  | 6,520.67             | 6,242.77              | 277.91                  | 23.464            |                    |         |
| 7,550.00                                | 7,069.64            | 7,033.64            | 7,033.64            | 39.58           | 243.82      | -87.87                | -3,881.68                         | -4,243.04  | 6,483.50             | 6,205.12              | 278.38                  | 23.290            |                    |         |
| 7,571.20                                | 7,070.00            | 7,034.00            | 7,034.00            | 39.85           | 243.83      | -89.99                | -3,881.68                         | -4,243.04  | 6,467.70             | 6,189.15              | 278.54                  | 23.220            |                    |         |
| 7,600.00                                | 7,070.00            | 7,034.00            | 7,034.00            | 40.23           | 243.83      | -89.99                | -3,881.68                         | -4,243.04  | 6,446.25             | 6,167.49              | 278.76                  | 23.125            |                    |         |
| 7,700.00                                | 7,070.01            | 7,034.01            | 7,034.01            | 41.64           | 243.83      | -89.99                | -3,881.68                         | -4,243.04  | 6,372.23             | 6,092.64              | 279.59                  | 22.791            |                    |         |
| 7,800.00                                | 7,070.02            | 7,034.02            | 7,034.02            | 43.20           | 243.83      | -89.99                | -3,881.68                         | -4,243.04  | 6,298.93             | 6,018.38              | 280.55                  | 22.452            |                    |         |
| 7,900.00                                | 7,070.03            | 7,034.03            | 7,034.03            | 44.89           | 243.83      | -89.99                | -3,881.68                         | -4,243.04  | 6,226.37             | 5,944.75              | 281.62                  | 22.109            |                    |         |
| 8,000.00                                | 7,070.04            | 7,034.04            | 7,034.04            | 46.69           | 243.84      | -89.99                | -3,881.68                         | -4,243.04  | 6,154.58             | 5,871.76              | 282.82                  | 21.761            |                    |         |
| 8,100.00                                | 7,070.05            | 7,034.05            | 7,034.05            | 48.60           | 243.84      | -89.99                | -3,881.68                         | -4,243.04  | 6,083.59             | 5,799.46              | 284.13                  | 21.411            |                    |         |
| 8,200.00                                | 7,070.05            | 7,034.05            | 7,034.05            | 50.59           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 6,013.43             | 5,727.87              | 285.56                  | 21.058            |                    |         |
| 8,300.00                                | 7,070.06            | 7,034.06            | 7,034.06            | 52.66           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,944.12             | 5,657.01              | 287.11                  | 20.704            |                    |         |
| 8,400.00                                | 7,070.07            | 7,034.07            | 7,034.07            | 54.81           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,875.69             | 5,586.93              | 288.76                  | 20.348            |                    |         |
| 8,500.00                                | 7,070.08            | 7,034.08            | 7,034.08            | 57.02           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,808.18             | 5,517.67              | 290.51                  | 19.993            |                    |         |
| 8,600.00                                | 7,070.09            | 7,034.09            | 7,034.09            | 59.28           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,741.62             | 5,449.24              | 292.37                  | 19.638            |                    |         |
| 8,700.00                                | 7,070.10            | 7,034.10            | 7,034.10            | 61.60           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,676.03             | 5,381.70              | 294.33                  | 19.284            |                    |         |
| 8,800.00                                | 7,070.11            | 7,034.11            | 7,034.11            | 63.95           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,611.47             | 5,315.08              | 296.39                  | 18.933            |                    |         |
| 8,900.00                                | 7,070.12            | 7,034.12            | 7,034.12            | 66.35           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,547.95             | 5,249.41              | 298.54                  | 18.584            |                    |         |
| 9,000.00                                | 7,070.13            | 7,034.13            | 7,034.13            | 68.79           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,485.52             | 5,184.75              | 300.78                  | 18.238            |                    |         |
| 9,100.00                                | 7,070.13            | 7,034.13            | 7,034.13            | 71.25           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,424.22             | 5,121.12              | 303.10                  | 17.896            |                    |         |
| 9,200.00                                | 7,070.14            | 7,034.14            | 7,034.14            | 73.74           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,364.08             | 5,058.57              | 305.52                  | 17.557            |                    |         |
| 9,300.00                                | 7,070.15            | 7,034.15            | 7,034.15            | 76.26           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,305.15             | 4,997.14              | 308.01                  | 17.224            |                    |         |
| 9,400.00                                | 7,070.16            | 7,034.16            | 7,034.16            | 78.80           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,247.45             | 4,936.88              | 310.58                  | 16.896            |                    |         |
| 9,500.00                                | 7,070.17            | 7,034.17            | 7,034.17            | 81.37           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,191.05             | 4,877.82              | 313.23                  | 16.573            |                    |         |
| 9,600.00                                | 7,070.18            | 7,034.18            | 7,034.18            | 83.95           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,135.97             | 4,820.03              | 315.94                  | 16.256            |                    |         |
| 9,700.00                                | 7,070.19            | 7,034.19            | 7,034.19            | 86.55           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,082.26             | 4,763.53              | 318.73                  | 15.945            |                    |         |
| 9,800.00                                | 7,070.20            | 7,034.20            | 7,034.20            | 89.17           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 5,029.97             | 4,708.38              | 321.59                  | 15.641            |                    |         |
| 9,900.00                                | 7,070.21            | 7,034.21            | 7,034.21            | 91.80           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,979.14             | 4,654.63              | 324.50                  | 15.344            |                    |         |
| 10,000.00                               | 7,070.21            | 7,034.21            | 7,034.21            | 94.44           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,929.81             | 4,602.33              | 327.48                  | 15.054            |                    |         |
| 10,100.00                               | 7,070.22            | 7,034.22            | 7,034.22            | 97.10           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,882.03             | 4,551.52              | 330.51                  | 14.771            |                    |         |
| 10,200.00                               | 7,070.23            | 7,034.23            | 7,034.23            | 99.77           | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,835.85             | 4,502.25              | 333.60                  | 14.496            |                    |         |
| 10,300.00                               | 7,070.24            | 7,034.24            | 7,034.24            | 102.44          | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,791.31             | 4,454.58              | 336.73                  | 14.229            |                    |         |
| 10,400.00                               | 7,070.25            | 7,034.25            | 7,034.25            | 105.13          | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,748.46             | 4,408.55              | 339.91                  | 13.970            |                    |         |
| 10,500.00                               | 7,070.26            | 7,034.26            | 7,034.26            | 107.83          | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,707.34             | 4,364.22              | 343.12                  | 13.719            |                    |         |
| 10,600.00                               | 7,070.27            | 7,034.27            | 7,034.27            | 110.53          | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,668.00             | 4,321.63              | 346.37                  | 13.477            |                    |         |
| 10,700.00                               | 7,070.28            | 7,034.28            | 7,034.28            | 113.24          | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,630.49             | 4,280.84              | 349.65                  | 13.243            |                    |         |
| 10,800.00                               | 7,070.28            | 7,034.28            | 7,034.28            | 115.96          | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,594.85             | 4,241.90              | 352.95                  | 13.018            |                    |         |
| 10,900.00                               | 7,070.29            | 7,034.29            | 7,034.29            | 118.69          | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,561.12             | 4,204.86              | 356.27                  | 12.802            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 11,000.00                               | 7,070.30            | 7,034.30            | 7,034.30            | 121.42          | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,529.36             | 4,169.75              | 359.60                  | 12.596            |                    |         |
| 11,100.00                               | 7,070.31            | 7,034.31            | 7,034.31            | 124.16          | 243.84      | -90.00                | -3,881.68                         | -4,243.04  | 4,499.59             | 4,136.65              | 362.94                  | 12.398            |                    |         |
| 11,200.00                               | 7,070.32            | 7,034.32            | 7,034.32            | 126.90          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,471.85             | 4,105.57              | 366.28                  | 12.209            |                    |         |
| 11,300.00                               | 7,070.33            | 7,034.33            | 7,034.33            | 129.65          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,446.20             | 4,076.59              | 369.61                  | 12.029            |                    |         |
| 11,400.00                               | 7,070.34            | 7,034.34            | 7,034.34            | 132.40          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,422.66             | 4,049.72              | 372.93                  | 11.859            |                    |         |
| 11,500.00                               | 7,070.35            | 7,034.35            | 7,034.35            | 135.16          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,401.26             | 4,025.03              | 376.23                  | 11.698            |                    |         |
| 11,600.00                               | 7,070.36            | 7,034.36            | 7,034.36            | 137.92          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,382.04             | 4,002.54              | 379.51                  | 11.547            |                    |         |
| 11,700.00                               | 7,070.36            | 7,034.36            | 7,034.36            | 140.69          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,365.03             | 3,982.28              | 382.75                  | 11.404            |                    |         |
| 11,800.00                               | 7,070.37            | 7,034.37            | 7,034.37            | 143.46          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,350.25             | 3,964.30              | 385.95                  | 11.271            |                    |         |
| 11,900.00                               | 7,070.38            | 7,034.38            | 7,034.38            | 146.23          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,337.73             | 3,948.62              | 389.11                  | 11.148            |                    |         |
| 12,000.00                               | 7,070.39            | 7,034.39            | 7,034.39            | 149.01          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,327.48             | 3,935.27              | 392.21                  | 11.033            |                    |         |
| 12,100.00                               | 7,070.40            | 7,034.40            | 7,034.40            | 151.79          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,319.53             | 3,924.27              | 395.26                  | 10.928            |                    |         |
| 12,200.00                               | 7,070.41            | 7,034.41            | 7,034.41            | 154.57          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,313.88             | 3,915.63              | 398.24                  | 10.832            |                    |         |
| 12,300.00                               | 7,070.42            | 7,034.42            | 7,034.42            | 157.35          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,310.54             | 3,909.38              | 401.15                  | 10.745            |                    |         |
| 12,393.98                               | 7,070.43            | 7,034.43            | 7,034.43            | 159.97          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,309.51             | 3,905.69              | 403.82                  | 10.672 CC         |                    |         |
| 12,400.00                               | 7,070.43            | 7,034.43            | 7,034.43            | 160.14          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,309.52             | 3,905.53              | 403.99                  | 10.667            |                    |         |
| 12,500.00                               | 7,070.44            | 7,034.44            | 7,034.44            | 162.93          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,310.82             | 3,904.07              | 406.75                  | 10.598 ES         |                    |         |
| 12,600.00                               | 7,070.44            | 7,034.44            | 7,034.44            | 165.72          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,314.43             | 3,905.02              | 409.42                  | 10.538            |                    |         |
| 12,700.00                               | 7,070.45            | 7,034.45            | 7,034.45            | 168.52          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,320.36             | 3,908.37              | 412.00                  | 10.486            |                    |         |
| 12,800.00                               | 7,070.46            | 7,034.46            | 7,034.46            | 171.32          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,328.60             | 3,914.11              | 414.49                  | 10.443            |                    |         |
| 12,900.00                               | 7,070.47            | 7,034.47            | 7,034.47            | 174.11          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,339.12             | 3,922.24              | 416.88                  | 10.409            |                    |         |
| 13,000.00                               | 7,070.48            | 7,034.48            | 7,034.48            | 176.92          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,351.91             | 3,932.74              | 419.17                  | 10.382            |                    |         |
| 13,100.00                               | 7,070.49            | 7,034.49            | 7,034.49            | 179.72          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,366.96             | 3,945.60              | 421.37                  | 10.364            |                    |         |
| 13,200.00                               | 7,070.50            | 7,034.50            | 7,034.50            | 182.52          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,384.24             | 3,960.78              | 423.46                  | 10.353            |                    |         |
| 13,300.00                               | 7,070.51            | 7,034.51            | 7,034.51            | 185.33          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,403.72             | 3,978.28              | 425.45                  | 10.351 SF         |                    |         |
| 13,400.00                               | 7,070.52            | 7,034.52            | 7,034.52            | 188.14          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,425.38             | 3,998.05              | 427.33                  | 10.356            |                    |         |
| 13,500.00                               | 7,070.52            | 7,034.52            | 7,034.52            | 190.95          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,449.18             | 4,020.07              | 429.11                  | 10.368            |                    |         |
| 13,600.00                               | 7,070.53            | 7,034.53            | 7,034.53            | 193.76          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,475.09             | 4,044.30              | 430.79                  | 10.388            |                    |         |
| 13,700.00                               | 7,070.54            | 7,034.54            | 7,034.54            | 196.57          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,503.06             | 4,070.70              | 432.36                  | 10.415            |                    |         |
| 13,800.00                               | 7,070.55            | 7,034.55            | 7,034.55            | 199.38          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,533.08             | 4,099.24              | 433.84                  | 10.449            |                    |         |
| 13,900.00                               | 7,070.56            | 7,034.56            | 7,034.56            | 202.20          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,565.09             | 4,129.87              | 435.21                  | 10.489            |                    |         |
| 14,000.00                               | 7,070.57            | 7,034.57            | 7,034.57            | 205.01          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,599.04             | 4,162.56              | 436.49                  | 10.536            |                    |         |
| 14,100.00                               | 7,070.58            | 7,034.58            | 7,034.58            | 207.83          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,634.91             | 4,197.24              | 437.67                  | 10.590            |                    |         |
| 14,200.00                               | 7,070.59            | 7,034.59            | 7,034.59            | 210.65          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,672.65             | 4,233.89              | 438.75                  | 10.650            |                    |         |
| 14,300.00                               | 7,070.60            | 7,034.60            | 7,034.60            | 213.47          | 243.85      | -90.00                | -3,881.68                         | -4,243.04  | 4,712.20             | 4,272.45              | 439.75                  | 10.716            |                    |         |
| 14,400.00                               | 7,070.60            | 7,034.60            | 7,034.60            | 216.29          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 4,753.53             | 4,312.87              | 440.66                  | 10.787            |                    |         |
| 14,500.00                               | 7,070.61            | 7,034.61            | 7,034.61            | 219.11          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 4,796.59             | 4,355.10              | 441.49                  | 10.865            |                    |         |
| 14,600.00                               | 7,070.62            | 7,034.62            | 7,034.62            | 221.94          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 4,841.33             | 4,399.10              | 442.23                  | 10.948            |                    |         |
| 14,700.00                               | 7,070.63            | 7,034.63            | 7,034.63            | 224.76          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 4,887.70             | 4,444.81              | 442.90                  | 11.036            |                    |         |
| 14,800.00                               | 7,070.64            | 7,034.64            | 7,034.64            | 227.58          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 4,935.67             | 4,492.18              | 443.49                  | 11.129            |                    |         |
| 14,900.00                               | 7,070.65            | 7,034.65            | 7,034.65            | 230.41          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 4,985.18             | 4,541.17              | 444.01                  | 11.228            |                    |         |
| 15,000.00                               | 7,070.66            | 7,034.66            | 7,034.66            | 233.24          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,036.19             | 4,591.73              | 444.46                  | 11.331            |                    |         |
| 15,100.00                               | 7,070.67            | 7,034.67            | 7,034.67            | 236.06          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,088.66             | 4,643.81              | 444.85                  | 11.439            |                    |         |
| 15,200.00                               | 7,070.68            | 7,034.68            | 7,034.68            | 238.89          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,142.53             | 4,697.36              | 445.18                  | 11.552            |                    |         |
| 15,300.00                               | 7,070.68            | 7,034.68            | 7,034.68            | 241.72          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,197.78             | 4,752.33              | 445.45                  | 11.669            |                    |         |
| 15,400.00                               | 7,070.69            | 7,034.69            | 7,034.69            | 244.55          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,254.34             | 4,808.67              | 445.66                  | 11.790            |                    |         |
| 15,500.00                               | 7,070.70            | 7,034.70            | 7,034.70            | 247.38          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,312.18             | 4,866.35              | 445.83                  | 11.915            |                    |         |
| 15,600.00                               | 7,070.71            | 7,034.71            | 7,034.71            | 250.21          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,371.26             | 4,925.32              | 445.94                  | 12.045            |                    |         |
| 15,700.00                               | 7,070.72            | 7,034.72            | 7,034.72            | 253.04          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,431.55             | 4,985.53              | 446.02                  | 12.178            |                    |         |
| 15,800.00                               | 7,070.73            | 7,034.73            | 7,034.73            | 255.87          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,492.99             | 5,046.94              | 446.04                  | 12.315            |                    |         |
| 15,900.00                               | 7,070.74            | 7,034.74            | 7,034.74            | 258.71          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,555.55             | 5,109.51              | 446.03                  | 12.455            |                    |         |
| 16,000.00                               | 7,070.75            | 7,034.75            | 7,034.75            | 261.54          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,619.19             | 5,173.21              | 445.98                  | 12.600            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 16,100.00                               | 7,070.76            | 7,034.76            | 7,034.76            | 264.37          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,683.88             | 5,237.98              | 445.90                  | 12.747            |                    |         |
| 16,200.00                               | 7,070.76            | 7,034.76            | 7,034.76            | 267.21          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,749.58             | 5,303.80              | 445.79                  | 12.898            |                    |         |
| 16,300.00                               | 7,070.77            | 7,034.77            | 7,034.77            | 270.04          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,816.26             | 5,370.62              | 445.64                  | 13.051            |                    |         |
| 16,400.00                               | 7,070.78            | 7,034.78            | 7,034.78            | 272.88          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,883.89             | 5,438.42              | 445.47                  | 13.208            |                    |         |
| 16,500.00                               | 7,070.79            | 7,034.79            | 7,034.79            | 275.71          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 5,952.42             | 5,507.15              | 445.27                  | 13.368            |                    |         |
| 16,600.00                               | 7,070.80            | 7,034.80            | 7,034.80            | 278.55          | 243.86      | -90.00                | -3,881.68                         | -4,243.04  | 6,021.84             | 5,576.79              | 445.05                  | 13.531            |                    |         |
| 16,700.00                               | 7,070.81            | 7,034.81            | 7,034.81            | 281.39          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,092.10             | 5,647.29              | 444.81                  | 13.696            |                    |         |
| 16,800.00                               | 7,070.82            | 7,034.82            | 7,034.82            | 284.22          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,163.19             | 5,718.64              | 444.55                  | 13.864            |                    |         |
| 16,900.00                               | 7,070.83            | 7,034.83            | 7,034.83            | 287.06          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,235.07             | 5,790.81              | 444.27                  | 14.034            |                    |         |
| 17,000.00                               | 7,070.84            | 7,034.84            | 7,034.84            | 289.90          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,307.72             | 5,863.75              | 443.97                  | 14.207            |                    |         |
| 17,100.00                               | 7,070.84            | 7,034.84            | 7,034.84            | 292.74          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,381.11             | 5,937.45              | 443.66                  | 14.383            |                    |         |
| 17,200.00                               | 7,070.85            | 7,034.85            | 7,034.85            | 295.58          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,455.21             | 6,011.88              | 443.34                  | 14.561            |                    |         |
| 17,300.00                               | 7,070.86            | 7,034.86            | 7,034.86            | 298.42          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,530.01             | 6,087.01              | 443.00                  | 14.740            |                    |         |
| 17,400.00                               | 7,070.87            | 7,034.87            | 7,034.87            | 301.26          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,605.47             | 6,162.82              | 442.65                  | 14.923            |                    |         |
| 17,500.00                               | 7,070.88            | 7,034.88            | 7,034.88            | 304.10          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,681.57             | 6,239.28              | 442.29                  | 15.107            |                    |         |
| 17,600.00                               | 7,070.89            | 7,034.89            | 7,034.89            | 306.94          | 243.86      | -90.01                | -3,881.68                         | -4,243.04  | 6,758.30             | 6,316.37              | 441.92                  | 15.293            |                    |         |
| 17,700.00                               | 7,070.90            | 7,034.90            | 7,034.90            | 309.78          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 6,835.63             | 6,394.08              | 441.55                  | 15.481            |                    |         |
| 17,800.00                               | 7,070.91            | 7,034.91            | 7,034.91            | 312.62          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 6,913.54             | 6,472.37              | 441.17                  | 15.671            |                    |         |
| 17,900.00                               | 7,070.92            | 7,034.92            | 7,034.92            | 315.46          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 6,992.01             | 6,551.23              | 440.78                  | 15.863            |                    |         |
| 18,000.00                               | 7,070.92            | 7,034.92            | 7,034.92            | 318.31          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,071.03             | 6,630.64              | 440.39                  | 16.056            |                    |         |
| 18,100.00                               | 7,070.93            | 7,034.93            | 7,034.93            | 321.15          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,150.57             | 6,710.58              | 439.99                  | 16.252            |                    |         |
| 18,200.00                               | 7,070.94            | 7,034.94            | 7,034.94            | 323.99          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,230.62             | 6,791.03              | 439.59                  | 16.449            |                    |         |
| 18,300.00                               | 7,070.95            | 7,034.95            | 7,034.95            | 326.83          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,311.16             | 6,871.97              | 439.18                  | 16.647            |                    |         |
| 18,400.00                               | 7,070.96            | 7,034.96            | 7,034.96            | 329.68          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,392.17             | 6,953.40              | 438.78                  | 16.847            |                    |         |
| 18,500.00                               | 7,070.97            | 7,034.97            | 7,034.97            | 332.52          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,473.65             | 7,035.28              | 438.37                  | 17.049            |                    |         |
| 18,600.00                               | 7,070.98            | 7,034.98            | 7,034.98            | 335.36          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,555.57             | 7,117.61              | 437.96                  | 17.252            |                    |         |
| 18,700.00                               | 7,070.99            | 7,034.99            | 7,034.99            | 338.21          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,637.92             | 7,200.38              | 437.55                  | 17.456            |                    |         |
| 18,800.00                               | 7,070.99            | 7,034.99            | 7,034.99            | 341.05          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,720.69             | 7,283.56              | 437.13                  | 17.662            |                    |         |
| 18,858.54                               | 7,071.00            | 7,035.00            | 7,035.00            | 342.72          | 243.87      | -90.01                | -3,881.68                         | -4,243.04  | 7,769.33             | 7,332.44              | 436.89                  | 17.783            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 2.00                | 2.00                | 3.28            | 3.28        | -101.91               | -1,202.65                         | -5,700.43  | 5,825.92             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 102.00              | 102.00              | 3.28            | 3.75        | -101.91               | -1,202.65                         | -5,700.43  | 5,825.92             | 5,818.88              | 7.03                    | 828.306           |                    |         |
| 200.00                                  | 200.00              | 202.00              | 202.00              | 3.34            | 6.24        | -101.91               | -1,202.65                         | -5,700.43  | 5,825.92             | 5,816.34              | 9.58                    | 608.434           |                    |         |
| 300.00                                  | 300.00              | 302.00              | 302.00              | 3.44            | 9.39        | -101.91               | -1,202.65                         | -5,700.43  | 5,825.92             | 5,813.08              | 12.83                   | 453.951           |                    |         |
| 400.00                                  | 399.98              | 401.98              | 401.98              | 3.60            | 12.72       | -174.41               | -1,202.65                         | -5,700.43  | 5,827.65             | 5,811.33              | 16.32                   | 357.109           |                    |         |
| 500.00                                  | 499.84              | 501.84              | 501.84              | 3.80            | 16.11       | -174.41               | -1,202.65                         | -5,700.43  | 5,832.86             | 5,812.95              | 19.91                   | 292.914           |                    |         |
| 600.00                                  | 599.45              | 601.45              | 601.45              | 4.04            | 19.53       | -174.40               | -1,202.65                         | -5,700.43  | 5,841.53             | 5,817.96              | 23.57                   | 247.815           |                    |         |
| 700.00                                  | 698.70              | 700.70              | 700.70              | 4.32            | 22.95       | -174.39               | -1,202.65                         | -5,700.43  | 5,853.66             | 5,826.39              | 27.27                   | 214.651           |                    |         |
| 800.00                                  | 797.47              | 800.53              | 799.47              | 4.63            | 26.41       | -174.37               | -1,202.65                         | -5,700.43  | 5,869.23             | 5,838.20              | 31.03                   | 189.151           |                    |         |
| 900.00                                  | 895.62              | 902.38              | 897.62              | 4.97            | 29.94       | -174.35               | -1,202.65                         | -5,700.43  | 5,888.22             | 5,853.33              | 34.89                   | 168.767           |                    |         |
| 924.00                                  | 919.08              | 921.08              | 921.08              | 5.06            | 30.59       | -174.34               | -1,202.65                         | -5,700.43  | 5,893.29             | 5,857.66              | 35.63                   | 165.424           |                    |         |
| 1,000.00                                | 993.28              | 1,004.72            | 995.28              | 5.34            | 33.49       | -174.36               | -1,202.65                         | -5,700.43  | 5,909.64             | 5,870.84              | 38.79                   | 152.347           |                    |         |
| 1,100.00                                | 1,090.92            | 1,107.08            | 1,092.92            | 5.73            | 37.05       | -174.38               | -1,202.65                         | -5,700.43  | 5,931.15             | 5,888.44              | 42.71                   | 138.885           |                    |         |
| 1,200.00                                | 1,188.56            | 1,209.44            | 1,190.56            | 6.15            | 40.61       | -174.40               | -1,202.65                         | -5,700.43  | 5,952.66             | 5,906.02              | 46.64                   | 127.635           |                    |         |
| 1,300.00                                | 1,286.19            | 1,288.19            | 1,288.19            | 6.57            | 43.35       | -174.42               | -1,202.65                         | -5,700.43  | 5,974.17             | 5,924.41              | 49.76                   | 120.052           |                    |         |
| 1,400.00                                | 1,383.83            | 1,385.83            | 1,385.83            | 7.01            | 46.75       | -174.44               | -1,202.65                         | -5,700.43  | 5,995.68             | 5,942.12              | 53.56                   | 111.949           |                    |         |
| 1,500.00                                | 1,481.47            | 1,483.47            | 1,483.47            | 7.46            | 50.15       | -174.46               | -1,202.65                         | -5,700.43  | 6,017.20             | 5,959.83              | 57.36                   | 104.900           |                    |         |
| 1,600.00                                | 1,579.10            | 1,581.10            | 1,581.10            | 7.91            | 53.55       | -174.48               | -1,202.65                         | -5,700.43  | 6,038.71             | 5,977.54              | 61.17                   | 98.715            |                    |         |
| 1,700.00                                | 1,676.74            | 1,678.74            | 1,678.74            | 8.37            | 56.95       | -174.50               | -1,202.65                         | -5,700.43  | 6,060.22             | 5,995.23              | 64.99                   | 93.245            |                    |         |
| 1,800.00                                | 1,774.38            | 1,776.38            | 1,776.38            | 8.84            | 60.36       | -174.52               | -1,202.65                         | -5,700.43  | 6,081.74             | 6,012.92              | 68.82                   | 88.375            |                    |         |
| 1,900.00                                | 1,872.02            | 1,874.02            | 1,874.02            | 9.31            | 63.76       | -174.54               | -1,202.65                         | -5,700.43  | 6,103.26             | 6,030.61              | 72.65                   | 84.013            |                    |         |
| 2,000.00                                | 1,969.65            | 1,971.65            | 1,971.65            | 9.79            | 67.17       | -174.56               | -1,202.65                         | -5,700.43  | 6,124.77             | 6,048.29              | 76.48                   | 80.082            |                    |         |
| 2,100.00                                | 2,067.29            | 2,069.29            | 2,069.29            | 10.27           | 70.57       | -174.58               | -1,202.65                         | -5,700.43  | 6,146.29             | 6,065.97              | 80.32                   | 76.523            |                    |         |
| 2,200.00                                | 2,164.93            | 2,166.93            | 2,166.93            | 10.75           | 73.97       | -174.60               | -1,202.65                         | -5,700.43  | 6,167.81             | 6,083.65              | 84.16                   | 73.286            |                    |         |
| 2,300.00                                | 2,262.56            | 2,264.56            | 2,264.56            | 11.24           | 77.38       | -174.62               | -1,202.65                         | -5,700.43  | 6,189.33             | 6,101.32              | 88.00                   | 70.330            |                    |         |
| 2,400.00                                | 2,360.20            | 2,362.20            | 2,362.20            | 11.73           | 80.79       | -174.63               | -1,202.65                         | -5,700.43  | 6,210.85             | 6,118.99              | 91.85                   | 67.619            |                    |         |
| 2,500.00                                | 2,457.84            | 2,459.84            | 2,459.84            | 12.22           | 84.19       | -174.65               | -1,202.65                         | -5,700.43  | 6,232.37             | 6,136.67              | 95.70                   | 65.124            |                    |         |
| 2,600.00                                | 2,555.48            | 2,557.48            | 2,557.48            | 12.71           | 87.60       | -174.67               | -1,202.65                         | -5,700.43  | 6,253.89             | 6,154.33              | 99.55                   | 62.821            |                    |         |
| 2,700.00                                | 2,653.11            | 2,655.11            | 2,655.11            | 13.20           | 91.00       | -174.69               | -1,202.65                         | -5,700.43  | 6,275.41             | 6,172.00              | 103.40                  | 60.689            |                    |         |
| 2,800.00                                | 2,750.75            | 2,752.75            | 2,752.75            | 13.70           | 94.41       | -174.71               | -1,202.65                         | -5,700.43  | 6,296.93             | 6,189.67              | 107.26                  | 58.708            |                    |         |
| 2,900.00                                | 2,848.39            | 2,850.39            | 2,850.39            | 14.19           | 97.82       | -174.73               | -1,202.65                         | -5,700.43  | 6,318.45             | 6,207.34              | 111.11                  | 56.865            |                    |         |
| 3,000.00                                | 2,946.02            | 2,948.02            | 2,948.02            | 14.69           | 101.22      | -174.74               | -1,202.65                         | -5,700.43  | 6,339.97             | 6,225.00              | 114.97                  | 55.145            |                    |         |
| 3,100.00                                | 3,043.66            | 3,045.66            | 3,045.66            | 15.19           | 104.63      | -174.76               | -1,202.65                         | -5,700.43  | 6,361.50             | 6,242.67              | 118.83                  | 53.535            |                    |         |
| 3,200.00                                | 3,141.30            | 3,143.30            | 3,143.30            | 15.69           | 108.04      | -174.78               | -1,202.65                         | -5,700.43  | 6,383.02             | 6,260.33              | 122.69                  | 52.027            |                    |         |
| 3,300.00                                | 3,238.94            | 3,240.94            | 3,240.94            | 16.19           | 111.44      | -174.80               | -1,202.65                         | -5,700.43  | 6,404.55             | 6,278.00              | 126.55                  | 50.610            |                    |         |
| 3,400.00                                | 3,336.57            | 3,338.57            | 3,338.57            | 16.69           | 114.85      | -174.81               | -1,202.65                         | -5,700.43  | 6,426.07             | 6,295.66              | 130.41                  | 49.277            |                    |         |
| 3,500.00                                | 3,434.21            | 3,436.21            | 3,436.21            | 17.19           | 118.26      | -174.83               | -1,202.65                         | -5,700.43  | 6,447.60             | 6,313.33              | 134.27                  | 48.020            |                    |         |
| 3,600.00                                | 3,531.85            | 3,533.85            | 3,533.85            | 17.69           | 121.67      | -174.85               | -1,202.65                         | -5,700.43  | 6,469.12             | 6,330.99              | 138.13                  | 46.833            |                    |         |
| 3,700.00                                | 3,629.48            | 3,631.48            | 3,631.48            | 18.20           | 125.07      | -174.87               | -1,202.65                         | -5,700.43  | 6,490.65             | 6,348.65              | 142.00                  | 45.710            |                    |         |
| 3,800.00                                | 3,727.12            | 3,729.12            | 3,729.12            | 18.70           | 128.48      | -174.88               | -1,202.65                         | -5,700.43  | 6,512.18             | 6,366.32              | 145.86                  | 44.647            |                    |         |
| 3,900.00                                | 3,824.76            | 3,826.76            | 3,826.76            | 19.21           | 131.89      | -174.90               | -1,202.65                         | -5,700.43  | 6,533.71             | 6,383.98              | 149.72                  | 43.638            |                    |         |
| 4,000.00                                | 3,922.40            | 3,924.40            | 3,924.40            | 19.71           | 135.30      | -174.92               | -1,202.65                         | -5,700.43  | 6,555.23             | 6,401.65              | 153.59                  | 42.680            |                    |         |
| 4,100.00                                | 4,020.03            | 4,022.03            | 4,022.03            | 20.21           | 138.70      | -174.93               | -1,202.65                         | -5,700.43  | 6,576.76             | 6,419.31              | 157.45                  | 41.769            |                    |         |
| 4,200.00                                | 4,117.67            | 4,119.67            | 4,119.67            | 20.72           | 142.11      | -174.95               | -1,202.65                         | -5,700.43  | 6,598.29             | 6,436.97              | 161.32                  | 40.902            |                    |         |
| 4,300.00                                | 4,215.31            | 4,217.31            | 4,217.31            | 21.23           | 145.52      | -174.97               | -1,202.65                         | -5,700.43  | 6,619.82             | 6,454.64              | 165.19                  | 40.075            |                    |         |
| 4,400.00                                | 4,312.94            | 4,314.94            | 4,314.94            | 21.73           | 148.93      | -174.98               | -1,202.65                         | -5,700.43  | 6,641.35             | 6,472.30              | 169.05                  | 39.286            |                    |         |
| 4,500.00                                | 4,410.58            | 4,412.58            | 4,412.58            | 22.24           | 152.33      | -175.00               | -1,202.65                         | -5,700.43  | 6,662.89             | 6,489.97              | 172.92                  | 38.532            |                    |         |
| 4,600.00                                | 4,508.22            | 4,510.22            | 4,510.22            | 22.75           | 155.74      | -175.02               | -1,202.65                         | -5,700.43  | 6,684.42             | 6,507.63              | 176.79                  | 37.810            |                    |         |
| 4,700.00                                | 4,605.86            | 4,607.86            | 4,607.86            | 23.25           | 159.15      | -175.03               | -1,202.65                         | -5,700.43  | 6,705.95             | 6,525.29              | 180.66                  | 37.120            |                    |         |
| 4,800.00                                | 4,703.49            | 4,705.49            | 4,705.49            | 23.76           | 162.56      | -175.05               | -1,202.65                         | -5,700.43  | 6,727.48             | 6,542.96              | 184.52                  | 36.459            |                    |         |
| 4,900.00                                | 4,801.13            | 4,803.13            | 4,803.13            | 24.27           | 165.96      | -175.06               | -1,202.65                         | -5,700.43  | 6,749.02             | 6,560.62              | 188.39                  | 35.824            |                    |         |
| 5,000.00                                | 4,898.77            | 4,900.77            | 4,900.77            | 24.77           | 169.37      | -175.08               | -1,202.65                         | -5,700.43  | 6,770.55             | 6,578.29              | 192.26                  | 35.215            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,001.60            | 4,998.40            | 25.28           | 172.89      | -175.09               | -1,202.65                         | -5,700.43  | 6,792.08             | 6,595.84              | 196.24                  | 34.611            |                    |         |
| 5,200.00                                | 5,094.04            | 5,103.96            | 5,096.04            | 25.79           | 176.46      | -175.11               | -1,202.65                         | -5,700.43  | 6,813.62             | 6,613.34              | 200.28                  | 34.021            |                    |         |
| 5,300.00                                | 5,191.68            | 5,206.32            | 5,193.68            | 26.30           | 180.04      | -175.13               | -1,202.65                         | -5,700.43  | 6,835.15             | 6,630.84              | 204.31                  | 33.455            |                    |         |
| 5,400.00                                | 5,289.32            | 5,308.68            | 5,291.32            | 26.81           | 183.61      | -175.14               | -1,202.65                         | -5,700.43  | 6,856.69             | 6,648.34              | 208.34                  | 32.910            |                    |         |
| 5,500.00                                | 5,386.95            | 5,388.95            | 5,388.95            | 27.32           | 186.41      | -175.16               | -1,202.65                         | -5,700.43  | 6,878.22             | 6,666.62              | 211.61                  | 32.505            |                    |         |
| 5,600.00                                | 5,484.59            | 5,486.59            | 5,486.59            | 27.83           | 189.82      | -175.17               | -1,202.65                         | -5,700.43  | 6,899.76             | 6,684.28              | 215.48                  | 32.021            |                    |         |
| 5,700.00                                | 5,582.23            | 5,584.23            | 5,584.23            | 28.33           | 193.23      | -175.19               | -1,202.65                         | -5,700.43  | 6,921.30             | 6,701.95              | 219.35                  | 31.554            |                    |         |
| 5,800.00                                | 5,679.87            | 5,681.87            | 5,681.87            | 28.84           | 196.64      | -175.20               | -1,202.65                         | -5,700.43  | 6,942.84             | 6,719.62              | 223.22                  | 31.103            |                    |         |
| 5,900.00                                | 5,777.50            | 5,779.50            | 5,779.50            | 29.35           | 200.04      | -175.22               | -1,202.65                         | -5,700.43  | 6,964.37             | 6,737.28              | 227.09                  | 30.668            |                    |         |
| 6,000.00                                | 5,875.14            | 5,877.14            | 5,877.14            | 29.86           | 203.45      | -175.23               | -1,202.65                         | -5,700.43  | 6,985.91             | 6,754.95              | 230.96                  | 30.247            |                    |         |
| 6,100.00                                | 5,972.78            | 5,974.78            | 5,974.78            | 30.37           | 206.86      | -175.25               | -1,202.65                         | -5,700.43  | 7,007.45             | 6,772.62              | 234.83                  | 29.840            |                    |         |
| 6,200.00                                | 6,070.41            | 6,072.41            | 6,072.41            | 30.88           | 210.27      | -175.26               | -1,202.65                         | -5,700.43  | 7,028.99             | 6,790.29              | 238.70                  | 29.447            |                    |         |
| 6,300.00                                | 6,168.05            | 6,170.05            | 6,170.05            | 31.39           | 213.68      | -175.27               | -1,202.65                         | -5,700.43  | 7,050.53             | 6,807.95              | 242.57                  | 29.065            |                    |         |
| 6,400.00                                | 6,265.69            | 6,267.69            | 6,267.69            | 31.90           | 217.08      | -175.29               | -1,202.65                         | -5,700.43  | 7,072.07             | 6,825.62              | 246.45                  | 28.696            |                    |         |
| 6,439.09                                | 6,303.85            | 6,305.85            | 6,305.85            | 32.10           | 218.42      | -175.29               | -1,202.65                         | -5,700.43  | 7,080.49             | 6,832.53              | 247.96                  | 28.555            |                    |         |
| 6,450.00                                | 6,314.53            | 6,316.53            | 6,316.53            | 32.16           | 218.79      | -173.78               | -1,202.65                         | -5,700.43  | 7,082.75             | 6,834.37              | 248.38                  | 28.516            |                    |         |
| 6,500.00                                | 6,363.83            | 6,365.83            | 6,365.83            | 32.39           | 220.51      | -162.21               | -1,202.65                         | -5,700.43  | 7,090.82             | 6,840.49              | 250.33                  | 28.326            |                    |         |
| 6,550.00                                | 6,413.58            | 6,415.58            | 6,415.58            | 32.60           | 222.25      | -129.56               | -1,202.65                         | -5,700.43  | 7,095.10             | 6,842.82              | 252.27                  | 28.125            |                    |         |
| 6,600.00                                | 6,463.45            | 6,465.45            | 6,465.45            | 32.79           | 223.99      | -68.75                | -1,202.65                         | -5,700.43  | 7,095.55             | 6,841.34              | 254.21                  | 27.912            |                    |         |
| 6,650.00                                | 6,513.15            | 6,515.15            | 6,515.15            | 32.97           | 225.72      | -41.34                | -1,202.65                         | -5,700.43  | 7,092.19             | 6,836.07              | 256.12                  | 27.691            |                    |         |
| 6,700.00                                | 6,562.37            | 6,564.37            | 6,564.37            | 33.15           | 227.44      | -31.53                | -1,202.65                         | -5,700.43  | 7,085.02             | 6,827.03              | 257.99                  | 27.462            |                    |         |
| 6,750.00                                | 6,610.80            | 6,612.80            | 6,612.80            | 33.34           | 229.13      | -26.99                | -1,202.65                         | -5,700.43  | 7,074.10             | 6,814.28              | 259.82                  | 27.227            |                    |         |
| 6,800.00                                | 6,658.14            | 6,660.14            | 6,660.14            | 33.53           | 230.78      | -24.58                | -1,202.65                         | -5,700.43  | 7,059.49             | 6,797.90              | 261.60                  | 26.986            |                    |         |
| 6,850.00                                | 6,704.11            | 6,706.11            | 6,706.11            | 33.74           | 232.39      | -23.28                | -1,202.65                         | -5,700.43  | 7,041.30             | 6,777.99              | 263.31                  | 26.742            |                    |         |
| 6,900.00                                | 6,748.42            | 6,750.42            | 6,750.42            | 33.97           | 233.94      | -22.66                | -1,202.65                         | -5,700.43  | 7,019.62             | 6,754.68              | 264.94                  | 26.495            |                    |         |
| 6,950.00                                | 6,790.79            | 6,807.21            | 6,792.79            | 34.21           | 235.92      | -22.53                | -1,202.65                         | -5,700.43  | 6,994.61             | 6,727.61              | 267.00                  | 26.197            |                    |         |
| 7,000.00                                | 6,830.97            | 6,832.97            | 6,832.97            | 34.48           | 236.82      | -22.80                | -1,202.65                         | -5,700.43  | 6,966.41             | 6,698.45              | 267.96                  | 25.998            |                    |         |
| 7,050.00                                | 6,868.71            | 6,870.71            | 6,870.71            | 34.77           | 238.13      | -23.44                | -1,202.65                         | -5,700.43  | 6,935.20             | 6,665.88              | 269.32                  | 25.751            |                    |         |
| 7,100.00                                | 6,903.77            | 6,905.77            | 6,905.77            | 35.09           | 239.36      | -24.48                | -1,202.65                         | -5,700.43  | 6,901.17             | 6,630.59              | 270.58                  | 25.505            |                    |         |
| 7,150.00                                | 6,935.93            | 6,937.93            | 6,937.93            | 35.44           | 240.48      | -25.95                | -1,202.65                         | -5,700.43  | 6,864.55             | 6,592.82              | 271.73                  | 25.262            |                    |         |
| 7,200.00                                | 6,965.01            | 6,967.01            | 6,967.01            | 35.83           | 241.50      | -27.96                | -1,202.65                         | -5,700.43  | 6,825.55             | 6,552.78              | 272.77                  | 25.023            |                    |         |
| 7,250.00                                | 6,990.82            | 7,007.18            | 6,992.82            | 36.26           | 242.90      | -30.65                | -1,202.65                         | -5,700.43  | 6,784.42             | 6,510.23              | 274.19                  | 24.743            |                    |         |
| 7,300.00                                | 7,013.20            | 7,015.20            | 7,015.20            | 36.72           | 243.18      | -34.25                | -1,202.65                         | -5,700.43  | 6,741.42             | 6,466.93              | 274.49                  | 24.560            |                    |         |
| 7,350.00                                | 7,032.02            | 7,034.02            | 7,034.02            | 37.23           | 243.83      | -39.10                | -1,202.65                         | -5,700.43  | 6,696.81             | 6,421.64              | 275.17                  | 24.337            |                    |         |
| 7,400.00                                | 7,047.15            | 7,049.15            | 7,049.15            | 37.77           | 244.36      | -45.73                | -1,202.65                         | -5,700.43  | 6,650.86             | 6,375.14              | 275.72                  | 24.122            |                    |         |
| 7,450.00                                | 7,058.51            | 7,060.51            | 7,060.51            | 38.34           | 244.76      | -54.85                | -1,202.65                         | -5,700.43  | 6,603.86             | 6,327.72              | 276.14                  | 23.915            |                    |         |
| 7,500.00                                | 7,066.02            | 7,068.02            | 7,068.02            | 38.95           | 245.02      | -67.16                | -1,202.65                         | -5,700.43  | 6,556.11             | 6,279.67              | 276.44                  | 23.716            |                    |         |
| 7,550.00                                | 7,069.64            | 7,071.64            | 7,071.64            | 39.58           | 245.15      | -82.73                | -1,202.65                         | -5,700.43  | 6,507.89             | 6,231.28              | 276.61                  | 23.527            |                    |         |
| 7,571.20                                | 7,070.00            | 7,072.00            | 7,072.00            | 39.85           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 6,487.38             | 6,210.74              | 276.65                  | 23.450            |                    |         |
| 7,600.00                                | 7,070.00            | 7,072.00            | 7,072.00            | 40.23           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 6,459.51             | 6,182.83              | 276.68                  | 23.347            |                    |         |
| 7,700.00                                | 7,070.01            | 7,072.01            | 7,072.01            | 41.64           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 6,362.79             | 6,085.99              | 276.81                  | 22.986            |                    |         |
| 7,800.00                                | 7,070.02            | 7,072.02            | 7,072.02            | 43.20           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 6,266.18             | 5,989.22              | 276.96                  | 22.625            |                    |         |
| 7,900.00                                | 7,070.03            | 7,072.03            | 7,072.03            | 44.89           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 6,169.68             | 5,892.54              | 277.14                  | 22.262            |                    |         |
| 8,000.00                                | 7,070.04            | 7,072.04            | 7,072.04            | 46.69           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 6,073.29             | 5,795.94              | 277.35                  | 21.897            |                    |         |
| 8,100.00                                | 7,070.05            | 7,072.05            | 7,072.05            | 48.60           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,977.02             | 5,699.42              | 277.60                  | 21.531            |                    |         |
| 8,200.00                                | 7,070.05            | 7,072.05            | 7,072.05            | 50.59           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,880.87             | 5,603.00              | 277.87                  | 21.164            |                    |         |
| 8,300.00                                | 7,070.06            | 7,072.06            | 7,072.06            | 52.66           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,784.86             | 5,506.67              | 278.19                  | 20.795            |                    |         |
| 8,400.00                                | 7,070.07            | 7,072.07            | 7,072.07            | 54.81           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,688.98             | 5,410.44              | 278.54                  | 20.424            |                    |         |
| 8,500.00                                | 7,070.08            | 7,072.08            | 7,072.08            | 57.02           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,593.24             | 5,314.31              | 278.93                  | 20.052            |                    |         |
| 8,600.00                                | 7,070.09            | 7,072.09            | 7,072.09            | 59.28           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,497.66             | 5,218.30              | 279.37                  | 19.679            |                    |         |
| 8,700.00                                | 7,070.10            | 7,072.10            | 7,072.10            | 61.60           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,402.24             | 5,122.39              | 279.85                  | 19.304            |                    |         |
| 8,800.00                                | 7,070.11            | 7,072.11            | 7,072.11            | 63.95           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,306.99             | 5,026.61              | 280.37                  | 18.928            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2° Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,072.12            | 7,072.12            | 66.35           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,211.91             | 4,930.96              | 280.95                  | 18.551            |                    |         |
| 9,000.00                                | 7,070.13            | 7,072.13            | 7,072.13            | 68.79           | 245.16      | -89.98                | -1,202.65                         | -5,700.43  | 5,117.02             | 4,835.44              | 281.58                  | 18.172            |                    |         |
| 9,100.00                                | 7,070.13            | 7,072.13            | 7,072.13            | 71.25           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 5,022.33             | 4,740.06              | 282.27                  | 17.793            |                    |         |
| 9,200.00                                | 7,070.14            | 7,072.14            | 7,072.14            | 73.74           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,927.85             | 4,644.83              | 283.02                  | 17.412            |                    |         |
| 9,300.00                                | 7,070.15            | 7,072.15            | 7,072.15            | 76.26           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,833.59             | 4,549.76              | 283.83                  | 17.030            |                    |         |
| 9,400.00                                | 7,070.16            | 7,072.16            | 7,072.16            | 78.80           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,739.57             | 4,454.87              | 284.71                  | 16.647            |                    |         |
| 9,500.00                                | 7,070.17            | 7,072.17            | 7,072.17            | 81.37           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,645.80             | 4,360.15              | 285.65                  | 16.264            |                    |         |
| 9,600.00                                | 7,070.18            | 7,072.18            | 7,072.18            | 83.95           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,552.29             | 4,265.62              | 286.67                  | 15.880            |                    |         |
| 9,700.00                                | 7,070.19            | 7,072.19            | 7,072.19            | 86.55           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,459.06             | 4,171.30              | 287.76                  | 15.496            |                    |         |
| 9,800.00                                | 7,070.20            | 7,072.20            | 7,072.20            | 89.17           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,366.14             | 4,077.20              | 288.94                  | 15.111            |                    |         |
| 9,900.00                                | 7,070.21            | 7,072.21            | 7,072.21            | 91.80           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,273.53             | 3,983.34              | 290.19                  | 14.727            |                    |         |
| 10,000.00                               | 7,070.21            | 7,072.21            | 7,072.21            | 94.44           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,181.27             | 3,889.73              | 291.54                  | 14.342            |                    |         |
| 10,100.00                               | 7,070.22            | 7,072.22            | 7,072.22            | 97.10           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 4,089.36             | 3,796.38              | 292.98                  | 13.958            |                    |         |
| 10,200.00                               | 7,070.23            | 7,072.23            | 7,072.23            | 99.77           | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,997.85             | 3,703.33              | 294.51                  | 13.574            |                    |         |
| 10,300.00                               | 7,070.24            | 7,072.24            | 7,072.24            | 102.44          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,906.75             | 3,610.60              | 296.15                  | 13.192            |                    |         |
| 10,400.00                               | 7,070.25            | 7,072.25            | 7,072.25            | 105.13          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,816.10             | 3,518.20              | 297.90                  | 12.810            |                    |         |
| 10,500.00                               | 7,070.26            | 7,072.26            | 7,072.26            | 107.83          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,725.92             | 3,426.16              | 299.76                  | 12.430            |                    |         |
| 10,600.00                               | 7,070.27            | 7,072.27            | 7,072.27            | 110.53          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,636.26             | 3,334.52              | 301.74                  | 12.051            |                    |         |
| 10,700.00                               | 7,070.28            | 7,072.28            | 7,072.28            | 113.24          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,547.16             | 3,243.31              | 303.85                  | 11.674            |                    |         |
| 10,800.00                               | 7,070.28            | 7,072.28            | 7,072.28            | 115.96          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,458.65             | 3,152.56              | 306.09                  | 11.300            |                    |         |
| 10,900.00                               | 7,070.29            | 7,072.29            | 7,072.29            | 118.69          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,370.78             | 3,062.31              | 308.46                  | 10.928            |                    |         |
| 11,000.00                               | 7,070.30            | 7,072.30            | 7,072.30            | 121.42          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,283.60             | 2,972.61              | 310.99                  | 10.559            |                    |         |
| 11,100.00                               | 7,070.31            | 7,072.31            | 7,072.31            | 124.16          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,197.18             | 2,883.51              | 313.67                  | 10.193            |                    |         |
| 11,200.00                               | 7,070.32            | 7,072.32            | 7,072.32            | 126.90          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,111.57             | 2,795.05              | 316.51                  | 9.831             |                    |         |
| 11,300.00                               | 7,070.33            | 7,072.33            | 7,072.33            | 129.65          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 3,026.84             | 2,707.31              | 319.53                  | 9.473             |                    |         |
| 11,400.00                               | 7,070.34            | 7,072.34            | 7,072.34            | 132.40          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 2,943.07             | 2,620.35              | 322.73                  | 9.119             |                    |         |
| 11,500.00                               | 7,070.35            | 7,072.35            | 7,072.35            | 135.16          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 2,860.35             | 2,534.23              | 326.11                  | 8.771             |                    |         |
| 11,600.00                               | 7,070.36            | 7,072.36            | 7,072.36            | 137.92          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 2,778.76             | 2,449.06              | 329.70                  | 8.428             |                    |         |
| 11,700.00                               | 7,070.36            | 7,072.36            | 7,072.36            | 140.69          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 2,698.40             | 2,364.92              | 333.49                  | 8.091             |                    |         |
| 11,800.00                               | 7,070.37            | 7,072.37            | 7,072.37            | 143.46          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 2,619.41             | 2,281.91              | 337.50                  | 7.761             |                    |         |
| 11,900.00                               | 7,070.38            | 7,072.38            | 7,072.38            | 146.23          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 2,541.89             | 2,200.16              | 341.73                  | 7.438             |                    |         |
| 12,000.00                               | 7,070.39            | 7,072.39            | 7,072.39            | 149.01          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 2,465.99             | 2,119.80              | 346.19                  | 7.123             |                    |         |
| 12,100.00                               | 7,070.40            | 7,072.40            | 7,072.40            | 151.79          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 2,391.86             | 2,040.98              | 350.88                  | 6.817             |                    |         |
| 12,200.00                               | 7,070.41            | 7,072.41            | 7,072.41            | 154.57          | 245.17      | -89.99                | -1,202.65                         | -5,700.43  | 2,319.68             | 1,963.87              | 355.81                  | 6.519             |                    |         |
| 12,300.00                               | 7,070.42            | 7,072.42            | 7,072.42            | 157.35          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 2,249.63             | 1,888.65              | 360.98                  | 6.232             |                    |         |
| 12,400.00                               | 7,070.43            | 7,072.43            | 7,072.43            | 160.14          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 2,181.91             | 1,815.53              | 366.38                  | 5.955             |                    |         |
| 12,500.00                               | 7,070.44            | 7,072.44            | 7,072.44            | 162.93          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 2,116.75             | 1,744.75              | 372.00                  | 5.690             |                    |         |
| 12,600.00                               | 7,070.44            | 7,072.44            | 7,072.44            | 165.72          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 2,054.40             | 1,676.57              | 377.83                  | 5.437             |                    |         |
| 12,700.00                               | 7,070.45            | 7,072.45            | 7,072.45            | 168.52          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,995.11             | 1,611.28              | 383.83                  | 5.198             |                    |         |
| 12,800.00                               | 7,070.46            | 7,072.46            | 7,072.46            | 171.32          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,939.16             | 1,549.19              | 389.98                  | 4.973             |                    |         |
| 12,900.00                               | 7,070.47            | 7,072.47            | 7,072.47            | 174.11          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,886.87             | 1,490.64              | 396.22                  | 4.762             |                    |         |
| 13,000.00                               | 7,070.48            | 7,072.48            | 7,072.48            | 176.92          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,838.52             | 1,436.01              | 402.52                  | 4.568             |                    |         |
| 13,100.00                               | 7,070.49            | 7,072.49            | 7,072.49            | 179.72          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,794.46             | 1,385.67              | 408.78                  | 4.390             |                    |         |
| 13,200.00                               | 7,070.50            | 7,072.50            | 7,072.50            | 182.52          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,754.99             | 1,340.04              | 414.95                  | 4.229             |                    |         |
| 13,300.00                               | 7,070.51            | 7,072.51            | 7,072.51            | 185.33          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,720.43             | 1,299.52              | 420.92                  | 4.087             |                    |         |
| 13,400.00                               | 7,070.52            | 7,072.52            | 7,072.52            | 188.14          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,691.09             | 1,264.50              | 426.59                  | 3.964             |                    |         |
| 13,500.00                               | 7,070.52            | 7,072.52            | 7,072.52            | 190.95          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,667.24             | 1,235.36              | 431.88                  | 3.860             |                    |         |
| 13,600.00                               | 7,070.53            | 7,072.53            | 7,072.53            | 193.76          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,649.12             | 1,212.45              | 436.68                  | 3.777             |                    |         |
| 13,700.00                               | 7,070.54            | 7,072.54            | 7,072.54            | 196.57          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,636.92             | 1,196.03              | 440.89                  | 3.713             |                    |         |
| 13,800.00                               | 7,070.55            | 7,072.55            | 7,072.55            | 199.38          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,630.77             | 1,186.32              | 444.45                  | 3.669             |                    |         |
| 13,850.47                               | 7,070.56            | 7,072.56            | 7,072.56            | 200.80          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,629.99             | 1,184.01              | 445.98                  | 3.655 CC          |                    |         |
| 13,900.00                               | 7,070.56            | 7,072.56            | 7,072.56            | 202.20          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,630.74             | 1,183.44              | 447.30                  | 3.646 ES          |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2° Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,072.57            | 7,072.57            | 205.01          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,636.84             | 1,187.43              | 449.40                  | 3.642 SF          |                    |         |
| 14,100.00                               | 7,070.58            | 7,072.58            | 7,072.58            | 207.83          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,648.98             | 1,198.23              | 450.76                  | 3.658             |                    |         |
| 14,200.00                               | 7,070.59            | 7,072.59            | 7,072.59            | 210.65          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,667.05             | 1,215.68              | 451.37                  | 3.693             |                    |         |
| 14,300.00                               | 7,070.60            | 7,072.60            | 7,072.60            | 213.47          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,690.84             | 1,239.55              | 451.29                  | 3.747             |                    |         |
| 14,400.00                               | 7,070.60            | 7,072.60            | 7,072.60            | 216.29          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,720.13             | 1,269.56              | 450.57                  | 3.818             |                    |         |
| 14,500.00                               | 7,070.61            | 7,072.61            | 7,072.61            | 219.11          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,754.64             | 1,305.35              | 449.29                  | 3.905             |                    |         |
| 14,600.00                               | 7,070.62            | 7,072.62            | 7,072.62            | 221.94          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,794.07             | 1,346.55              | 447.52                  | 4.009             |                    |         |
| 14,700.00                               | 7,070.63            | 7,072.63            | 7,072.63            | 224.76          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,838.09             | 1,392.76              | 445.33                  | 4.127             |                    |         |
| 14,800.00                               | 7,070.64            | 7,072.64            | 7,072.64            | 227.58          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,886.40             | 1,443.58              | 442.81                  | 4.260             |                    |         |
| 14,900.00                               | 7,070.65            | 7,072.65            | 7,072.65            | 230.41          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,938.66             | 1,498.62              | 440.04                  | 4.406             |                    |         |
| 15,000.00                               | 7,070.66            | 7,072.66            | 7,072.66            | 233.24          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 1,994.57             | 1,557.50              | 437.07                  | 4.563             |                    |         |
| 15,100.00                               | 7,070.67            | 7,072.67            | 7,072.67            | 236.06          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 2,053.83             | 1,619.86              | 433.97                  | 4.733             |                    |         |
| 15,200.00                               | 7,070.68            | 7,072.68            | 7,072.68            | 238.89          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 2,116.16             | 1,685.37              | 430.78                  | 4.912             |                    |         |
| 15,300.00                               | 7,070.68            | 7,072.68            | 7,072.68            | 241.72          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 2,181.29             | 1,753.73              | 427.56                  | 5.102             |                    |         |
| 15,400.00                               | 7,070.69            | 7,072.69            | 7,072.69            | 244.55          | 245.18      | -90.00                | -1,202.65                         | -5,700.43  | 2,248.98             | 1,824.66              | 424.33                  | 5.300             |                    |         |
| 15,500.00                               | 7,070.70            | 7,072.70            | 7,072.70            | 247.38          | 245.18      | -90.01                | -1,202.65                         | -5,700.43  | 2,319.02             | 1,897.90              | 421.12                  | 5.507             |                    |         |
| 15,600.00                               | 7,070.71            | 7,072.71            | 7,072.71            | 250.21          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 2,391.18             | 1,973.23              | 417.95                  | 5.721             |                    |         |
| 15,700.00                               | 7,070.72            | 7,072.72            | 7,072.72            | 253.04          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 2,465.29             | 2,050.44              | 414.85                  | 5.943             |                    |         |
| 15,800.00                               | 7,070.73            | 7,072.73            | 7,072.73            | 255.87          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 2,541.17             | 2,129.36              | 411.81                  | 6.171             |                    |         |
| 15,900.00                               | 7,070.74            | 7,072.74            | 7,072.74            | 258.71          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 2,618.67             | 2,209.81              | 408.87                  | 6.405             |                    |         |
| 16,000.00                               | 7,070.75            | 7,072.75            | 7,072.75            | 261.54          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 2,697.66             | 2,291.65              | 406.01                  | 6.644             |                    |         |
| 16,100.00                               | 7,070.76            | 7,072.76            | 7,072.76            | 264.37          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 2,778.00             | 2,374.75              | 403.24                  | 6.889             |                    |         |
| 16,200.00                               | 7,070.76            | 7,072.76            | 7,072.76            | 267.21          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 2,859.58             | 2,459.00              | 400.57                  | 7.139             |                    |         |
| 16,300.00                               | 7,070.77            | 7,072.77            | 7,072.77            | 270.04          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 2,942.29             | 2,544.29              | 398.00                  | 7.393             |                    |         |
| 16,400.00                               | 7,070.78            | 7,072.78            | 7,072.78            | 272.88          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,026.05             | 2,630.53              | 395.53                  | 7.651             |                    |         |
| 16,500.00                               | 7,070.79            | 7,072.79            | 7,072.79            | 275.71          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,110.77             | 2,717.63              | 393.14                  | 7.913             |                    |         |
| 16,600.00                               | 7,070.80            | 7,072.80            | 7,072.80            | 278.55          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,196.37             | 2,805.52              | 390.85                  | 8.178             |                    |         |
| 16,700.00                               | 7,070.81            | 7,072.81            | 7,072.81            | 281.39          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,282.79             | 2,894.14              | 388.65                  | 8.447             |                    |         |
| 16,800.00                               | 7,070.82            | 7,072.82            | 7,072.82            | 284.22          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,369.96             | 2,983.41              | 386.54                  | 8.718             |                    |         |
| 16,900.00                               | 7,070.83            | 7,072.83            | 7,072.83            | 287.06          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,457.82             | 3,073.30              | 384.52                  | 8.993             |                    |         |
| 17,000.00                               | 7,070.84            | 7,072.84            | 7,072.84            | 289.90          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,546.33             | 3,163.76              | 382.57                  | 9.270             |                    |         |
| 17,100.00                               | 7,070.84            | 7,072.84            | 7,072.84            | 292.74          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,635.43             | 3,254.73              | 380.70                  | 9.549             |                    |         |
| 17,200.00                               | 7,070.85            | 7,072.85            | 7,072.85            | 295.58          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,725.08             | 3,346.17              | 378.91                  | 9.831             |                    |         |
| 17,300.00                               | 7,070.86            | 7,072.86            | 7,072.86            | 298.42          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,815.25             | 3,438.06              | 377.19                  | 10.115            |                    |         |
| 17,400.00                               | 7,070.87            | 7,072.87            | 7,072.87            | 301.26          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,905.90             | 3,530.36              | 375.54                  | 10.401            |                    |         |
| 17,500.00                               | 7,070.88            | 7,072.88            | 7,072.88            | 304.10          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 3,996.99             | 3,623.05              | 373.95                  | 10.689            |                    |         |
| 17,600.00                               | 7,070.89            | 7,072.89            | 7,072.89            | 306.94          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,088.50             | 3,716.08              | 372.42                  | 10.978            |                    |         |
| 17,700.00                               | 7,070.90            | 7,072.90            | 7,072.90            | 309.78          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,180.40             | 3,809.44              | 370.96                  | 11.269            |                    |         |
| 17,800.00                               | 7,070.91            | 7,072.91            | 7,072.91            | 312.62          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,272.67             | 3,903.11              | 369.55                  | 11.562            |                    |         |
| 17,900.00                               | 7,070.92            | 7,072.92            | 7,072.92            | 315.46          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,365.27             | 3,997.07              | 368.20                  | 11.856            |                    |         |
| 18,000.00                               | 7,070.92            | 7,072.92            | 7,072.92            | 318.31          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,458.19             | 4,091.30              | 366.90                  | 12.151            |                    |         |
| 18,100.00                               | 7,070.93            | 7,072.93            | 7,072.93            | 321.15          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,551.42             | 4,185.77              | 365.65                  | 12.448            |                    |         |
| 18,200.00                               | 7,070.94            | 7,072.94            | 7,072.94            | 323.99          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,644.92             | 4,280.48              | 364.44                  | 12.745            |                    |         |
| 18,300.00                               | 7,070.95            | 7,072.95            | 7,072.95            | 326.83          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,738.69             | 4,375.41              | 363.28                  | 13.044            |                    |         |
| 18,400.00                               | 7,070.96            | 7,072.96            | 7,072.96            | 329.68          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,832.71             | 4,470.55              | 362.17                  | 13.344            |                    |         |
| 18,500.00                               | 7,070.97            | 7,072.97            | 7,072.97            | 332.52          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 4,926.97             | 4,565.88              | 361.09                  | 13.645            |                    |         |
| 18,600.00                               | 7,070.98            | 7,072.98            | 7,072.98            | 335.36          | 245.19      | -90.01                | -1,202.65                         | -5,700.43  | 5,021.45             | 4,661.39              | 360.05                  | 13.946            |                    |         |
| 18,700.00                               | 7,070.99            | 7,072.99            | 7,072.99            | 338.21          | 245.19      | -90.02                | -1,202.65                         | -5,700.43  | 5,116.14             | 4,757.08              | 359.05                  | 14.249            |                    |         |
| 18,800.00                               | 7,070.99            | 7,072.99            | 7,072.99            | 341.05          | 245.20      | -90.02                | -1,202.65                         | -5,700.43  | 5,211.02             | 4,852.93              | 358.09                  | 14.552            |                    |         |
| 18,858.54                               | 7,071.00            | 7,073.00            | 7,073.00            | 342.72          | 245.20      | -90.02                | -1,202.65                         | -5,700.43  | 5,266.66             | 4,909.11              | 357.54                  | 14.730            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 40.00               | 40.00               | 3.28            | 3.35        | -78.59                | 1,426.90                          | -7,067.43  | 7,210.03             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 140.00              | 140.00              | 3.28            | 4.54        | -78.59                | 1,426.90                          | -7,067.43  | 7,210.03             | 7,202.21              | 7.83                    | 921.208           |                    |         |
| 200.00                                  | 200.00              | 240.00              | 240.00              | 3.34            | 7.40        | -78.59                | 1,426.90                          | -7,067.43  | 7,210.03             | 7,199.30              | 10.74                   | 671.537           |                    |         |
| 300.00                                  | 300.00              | 340.00              | 340.00              | 3.44            | 10.64       | -78.59                | 1,426.90                          | -7,067.43  | 7,210.03             | 7,195.95              | 14.09                   | 511.825           |                    |         |
| 400.00                                  | 399.98              | 439.98              | 439.98              | 3.60            | 14.00       | -151.08               | 1,426.90                          | -7,067.43  | 7,211.56             | 7,193.96              | 17.60                   | 409.639           |                    |         |
| 500.00                                  | 499.84              | 539.84              | 539.84              | 3.80            | 17.41       | -151.05               | 1,426.90                          | -7,067.43  | 7,216.14             | 7,194.93              | 21.21                   | 340.176           |                    |         |
| 600.00                                  | 599.45              | 639.45              | 639.45              | 4.04            | 20.84       | -151.01               | 1,426.90                          | -7,067.43  | 7,223.77             | 7,198.90              | 24.88                   | 290.361           |                    |         |
| 700.00                                  | 698.70              | 738.70              | 738.70              | 4.32            | 24.27       | -150.96               | 1,426.90                          | -7,067.43  | 7,234.45             | 7,205.87              | 28.58                   | 253.125           |                    |         |
| 800.00                                  | 797.47              | 837.47              | 837.47              | 4.63            | 27.69       | -150.88               | 1,426.90                          | -7,067.43  | 7,248.16             | 7,215.86              | 32.30                   | 224.371           |                    |         |
| 900.00                                  | 895.62              | 935.62              | 935.62              | 4.97            | 31.09       | -150.79               | 1,426.90                          | -7,067.43  | 7,264.89             | 7,228.85              | 36.04                   | 201.584           |                    |         |
| 924.00                                  | 919.08              | 959.08              | 959.08              | 5.06            | 31.91       | -150.76               | 1,426.90                          | -7,067.43  | 7,269.36             | 7,232.42              | 36.94                   | 196.792           |                    |         |
| 1,000.00                                | 993.28              | 1,033.28            | 1,033.28            | 5.34            | 34.48       | -150.83               | 1,426.90                          | -7,067.43  | 7,283.77             | 7,243.99              | 39.78                   | 183.099           |                    |         |
| 1,100.00                                | 1,090.92            | 1,130.92            | 1,130.92            | 5.73            | 37.88       | -150.91               | 1,426.90                          | -7,067.43  | 7,302.76             | 7,259.22              | 43.54                   | 167.737           |                    |         |
| 1,200.00                                | 1,188.56            | 1,228.56            | 1,228.56            | 6.15            | 41.27       | -150.99               | 1,426.90                          | -7,067.43  | 7,321.75             | 7,274.44              | 47.31                   | 154.758           |                    |         |
| 1,300.00                                | 1,286.19            | 1,326.19            | 1,326.19            | 6.57            | 44.67       | -151.07               | 1,426.90                          | -7,067.43  | 7,340.76             | 7,289.66              | 51.10                   | 143.657           |                    |         |
| 1,400.00                                | 1,383.83            | 1,423.83            | 1,423.83            | 7.01            | 48.07       | -151.15               | 1,426.90                          | -7,067.43  | 7,359.79             | 7,304.89              | 54.90                   | 134.059           |                    |         |
| 1,500.00                                | 1,481.47            | 1,521.47            | 1,521.47            | 7.46            | 51.47       | -151.23               | 1,426.90                          | -7,067.43  | 7,378.83             | 7,320.12              | 58.71                   | 125.683           |                    |         |
| 1,600.00                                | 1,579.10            | 1,619.10            | 1,619.10            | 7.91            | 54.88       | -151.31               | 1,426.90                          | -7,067.43  | 7,397.88             | 7,335.35              | 62.53                   | 118.313           |                    |         |
| 1,700.00                                | 1,676.74            | 1,716.74            | 1,716.74            | 8.37            | 58.28       | -151.39               | 1,426.90                          | -7,067.43  | 7,416.95             | 7,350.59              | 66.35                   | 111.780           |                    |         |
| 1,800.00                                | 1,774.38            | 1,814.38            | 1,814.38            | 8.84            | 61.68       | -151.47               | 1,426.90                          | -7,067.43  | 7,436.03             | 7,365.84              | 70.18                   | 105.950           |                    |         |
| 1,900.00                                | 1,872.02            | 1,912.02            | 1,912.02            | 9.31            | 65.09       | -151.55               | 1,426.90                          | -7,067.43  | 7,455.12             | 7,381.10              | 74.02                   | 100.717           |                    |         |
| 2,000.00                                | 1,969.65            | 2,009.65            | 2,009.65            | 9.79            | 68.49       | -151.63               | 1,426.90                          | -7,067.43  | 7,474.23             | 7,396.37              | 77.86                   | 95.995            |                    |         |
| 2,100.00                                | 2,067.29            | 2,107.29            | 2,107.29            | 10.27           | 71.90       | -151.71               | 1,426.90                          | -7,067.43  | 7,493.35             | 7,411.65              | 81.70                   | 91.712            |                    |         |
| 2,200.00                                | 2,164.93            | 2,204.93            | 2,204.93            | 10.75           | 75.30       | -151.79               | 1,426.90                          | -7,067.43  | 7,512.49             | 7,426.94              | 85.55                   | 87.812            |                    |         |
| 2,300.00                                | 2,262.56            | 2,302.56            | 2,302.56            | 11.24           | 78.71       | -151.86               | 1,426.90                          | -7,067.43  | 7,531.64             | 7,442.24              | 89.40                   | 84.244            |                    |         |
| 2,400.00                                | 2,360.20            | 2,400.20            | 2,400.20            | 11.73           | 82.11       | -151.94               | 1,426.90                          | -7,067.43  | 7,550.80             | 7,457.55              | 93.25                   | 80.970            |                    |         |
| 2,500.00                                | 2,457.84            | 2,502.16            | 2,497.84            | 12.22           | 85.67       | -152.02               | 1,426.90                          | -7,067.43  | 7,569.98             | 7,472.72              | 97.26                   | 77.832            |                    |         |
| 2,600.00                                | 2,555.48            | 2,604.52            | 2,595.48            | 12.71           | 89.24       | -152.09               | 1,426.90                          | -7,067.43  | 7,589.16             | 7,487.88              | 101.28                  | 74.931            |                    |         |
| 2,700.00                                | 2,653.11            | 2,706.89            | 2,693.11            | 13.20           | 92.81       | -152.17               | 1,426.90                          | -7,067.43  | 7,608.37             | 7,503.06              | 105.30                  | 72.251            |                    |         |
| 2,800.00                                | 2,750.75            | 2,809.25            | 2,790.75            | 13.70           | 96.38       | -152.24               | 1,426.90                          | -7,067.43  | 7,627.58             | 7,518.25              | 109.33                  | 69.767            |                    |         |
| 2,900.00                                | 2,848.39            | 2,888.39            | 2,888.39            | 14.19           | 99.14       | -152.32               | 1,426.90                          | -7,067.43  | 7,646.81             | 7,534.26              | 112.54                  | 67.944            |                    |         |
| 3,000.00                                | 2,946.02            | 2,986.02            | 2,986.02            | 14.69           | 102.55      | -152.39               | 1,426.90                          | -7,067.43  | 7,666.05             | 7,549.64              | 116.41                  | 65.855            |                    |         |
| 3,100.00                                | 3,043.66            | 3,083.66            | 3,083.66            | 15.19           | 105.96      | -152.47               | 1,426.90                          | -7,067.43  | 7,685.30             | 7,565.03              | 120.27                  | 63.900            |                    |         |
| 3,200.00                                | 3,141.30            | 3,181.30            | 3,181.30            | 15.69           | 109.36      | -152.54               | 1,426.90                          | -7,067.43  | 7,704.57             | 7,580.43              | 124.13                  | 62.066            |                    |         |
| 3,300.00                                | 3,238.94            | 3,278.94            | 3,278.94            | 16.19           | 112.77      | -152.61               | 1,426.90                          | -7,067.43  | 7,723.84             | 7,595.84              | 128.00                  | 60.342            |                    |         |
| 3,400.00                                | 3,336.57            | 3,376.57            | 3,376.57            | 16.69           | 116.18      | -152.69               | 1,426.90                          | -7,067.43  | 7,743.13             | 7,611.27              | 131.87                  | 58.720            |                    |         |
| 3,500.00                                | 3,434.21            | 3,474.21            | 3,474.21            | 17.19           | 119.58      | -152.76               | 1,426.90                          | -7,067.43  | 7,762.43             | 7,626.70              | 135.73                  | 57.189            |                    |         |
| 3,600.00                                | 3,531.85            | 3,571.85            | 3,571.85            | 17.69           | 122.99      | -152.83               | 1,426.90                          | -7,067.43  | 7,781.75             | 7,642.15              | 139.60                  | 55.743            |                    |         |
| 3,700.00                                | 3,629.48            | 3,669.48            | 3,669.48            | 18.20           | 126.40      | -152.91               | 1,426.90                          | -7,067.43  | 7,801.07             | 7,657.61              | 143.47                  | 54.375            |                    |         |
| 3,800.00                                | 3,727.12            | 3,767.12            | 3,767.12            | 18.70           | 129.81      | -152.98               | 1,426.90                          | -7,067.43  | 7,820.41             | 7,673.08              | 147.34                  | 53.078            |                    |         |
| 3,900.00                                | 3,824.76            | 3,864.76            | 3,864.76            | 19.21           | 133.21      | -153.05               | 1,426.90                          | -7,067.43  | 7,839.76             | 7,688.56              | 151.21                  | 51.848            |                    |         |
| 4,000.00                                | 3,922.40            | 3,962.40            | 3,962.40            | 19.71           | 136.62      | -153.12               | 1,426.90                          | -7,067.43  | 7,859.12             | 7,704.05              | 155.08                  | 50.679            |                    |         |
| 4,100.00                                | 4,020.03            | 4,060.03            | 4,060.03            | 20.21           | 140.03      | -153.19               | 1,426.90                          | -7,067.43  | 7,878.50             | 7,719.55              | 158.95                  | 49.567            |                    |         |
| 4,200.00                                | 4,117.67            | 4,157.67            | 4,157.67            | 20.72           | 143.44      | -153.26               | 1,426.90                          | -7,067.43  | 7,897.88             | 7,735.07              | 162.82                  | 48.508            |                    |         |
| 4,300.00                                | 4,215.31            | 4,255.31            | 4,255.31            | 21.23           | 146.84      | -153.33               | 1,426.90                          | -7,067.43  | 7,917.28             | 7,750.59              | 166.69                  | 47.498            |                    |         |
| 4,400.00                                | 4,312.94            | 4,352.94            | 4,352.94            | 21.73           | 150.25      | -153.40               | 1,426.90                          | -7,067.43  | 7,936.69             | 7,766.13              | 170.56                  | 46.534            |                    |         |
| 4,500.00                                | 4,410.58            | 4,450.58            | 4,450.58            | 22.24           | 153.66      | -153.47               | 1,426.90                          | -7,067.43  | 7,956.11             | 7,781.68              | 174.43                  | 45.612            |                    |         |
| 4,600.00                                | 4,508.22            | 4,548.22            | 4,548.22            | 22.75           | 157.07      | -153.54               | 1,426.90                          | -7,067.43  | 7,975.54             | 7,797.24              | 178.30                  | 44.731            |                    |         |
| 4,700.00                                | 4,605.86            | 4,645.86            | 4,645.86            | 23.25           | 160.48      | -153.61               | 1,426.90                          | -7,067.43  | 7,994.98             | 7,812.81              | 182.17                  | 43.887            |                    |         |
| 4,800.00                                | 4,703.49            | 4,743.49            | 4,743.49            | 23.76           | 163.88      | -153.68               | 1,426.90                          | -7,067.43  | 8,014.43             | 7,828.39              | 186.05                  | 43.078            |                    |         |
| 4,900.00                                | 4,801.13            | 4,841.13            | 4,841.13            | 24.27           | 167.29      | -153.74               | 1,426.90                          | -7,067.43  | 8,033.90             | 7,843.98              | 189.92                  | 42.302            |                    |         |
| 5,000.00                                | 4,898.77            | 4,938.77            | 4,938.77            | 24.77           | 170.70      | -153.81               | 1,426.90                          | -7,067.43  | 8,053.37             | 7,859.58              | 193.79                  | 41.557            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,036.40            | 5,036.40            | 25.28           | 174.11      | -153.88               | 1,426.90                          | -7,067.43  | 8,072.86             | 7,875.19              | 197.66                  | 40.841            |                    |         |
| 5,200.00                                | 5,094.04            | 5,134.04            | 5,134.04            | 25.79           | 177.51      | -153.95               | 1,426.90                          | -7,067.43  | 8,092.35             | 7,890.82              | 201.54                  | 40.153            |                    |         |
| 5,300.00                                | 5,191.68            | 5,231.68            | 5,231.68            | 26.30           | 180.92      | -154.01               | 1,426.90                          | -7,067.43  | 8,111.86             | 7,906.45              | 205.41                  | 39.491            |                    |         |
| 5,400.00                                | 5,289.32            | 5,329.32            | 5,329.32            | 26.81           | 184.33      | -154.08               | 1,426.90                          | -7,067.43  | 8,131.38             | 7,922.10              | 209.28                  | 38.853            |                    |         |
| 5,500.00                                | 5,386.95            | 5,426.95            | 5,426.95            | 27.32           | 187.74      | -154.15               | 1,426.90                          | -7,067.43  | 8,150.91             | 7,937.75              | 213.16                  | 38.239            |                    |         |
| 5,600.00                                | 5,484.59            | 5,524.59            | 5,524.59            | 27.83           | 191.15      | -154.21               | 1,426.90                          | -7,067.43  | 8,170.45             | 7,953.42              | 217.03                  | 37.647            |                    |         |
| 5,700.00                                | 5,582.23            | 5,622.23            | 5,622.23            | 28.33           | 194.55      | -154.28               | 1,426.90                          | -7,067.43  | 8,190.00             | 7,969.09              | 220.90                  | 37.075            |                    |         |
| 5,800.00                                | 5,679.87            | 5,719.87            | 5,719.87            | 28.84           | 197.96      | -154.34               | 1,426.90                          | -7,067.43  | 8,209.56             | 7,984.78              | 224.78                  | 36.523            |                    |         |
| 5,900.00                                | 5,777.50            | 5,817.50            | 5,817.50            | 29.35           | 201.37      | -154.41               | 1,426.90                          | -7,067.43  | 8,229.13             | 8,000.47              | 228.65                  | 35.990            |                    |         |
| 6,000.00                                | 5,875.14            | 5,915.14            | 5,915.14            | 29.86           | 204.78      | -154.47               | 1,426.90                          | -7,067.43  | 8,248.71             | 8,016.18              | 232.53                  | 35.474            |                    |         |
| 6,100.00                                | 5,972.78            | 6,012.78            | 6,012.78            | 30.37           | 208.19      | -154.54               | 1,426.90                          | -7,067.43  | 8,268.30             | 8,031.89              | 236.40                  | 34.976            |                    |         |
| 6,200.00                                | 6,070.41            | 6,110.41            | 6,110.41            | 30.88           | 211.59      | -154.60               | 1,426.90                          | -7,067.43  | 8,287.90             | 8,047.62              | 240.28                  | 34.493            |                    |         |
| 6,300.00                                | 6,168.05            | 6,208.05            | 6,208.05            | 31.39           | 215.00      | -154.66               | 1,426.90                          | -7,067.43  | 8,307.51             | 8,063.36              | 244.15                  | 34.026            |                    |         |
| 6,400.00                                | 6,265.69            | 6,305.69            | 6,305.69            | 31.90           | 218.41      | -154.73               | 1,426.90                          | -7,067.43  | 8,327.13             | 8,079.10              | 248.02                  | 33.574            |                    |         |
| 6,439.09                                | 6,303.85            | 6,343.85            | 6,343.85            | 32.10           | 219.74      | -154.75               | 1,426.90                          | -7,067.43  | 8,334.80             | 8,085.26              | 249.54                  | 33.401            |                    |         |
| 6,450.00                                | 6,314.53            | 6,354.53            | 6,354.53            | 32.16           | 220.12      | -153.31               | 1,426.90                          | -7,067.43  | 8,336.85             | 8,086.89              | 249.96                  | 33.352            |                    |         |
| 6,500.00                                | 6,363.83            | 6,403.83            | 6,403.83            | 32.39           | 221.84      | -142.01               | 1,426.90                          | -7,067.43  | 8,343.91             | 8,092.00              | 251.91                  | 33.123            |                    |         |
| 6,550.00                                | 6,413.58            | 6,453.58            | 6,453.58            | 32.60           | 223.57      | -109.49               | 1,426.90                          | -7,067.43  | 8,347.09             | 8,093.24              | 253.85                  | 32.881            |                    |         |
| 6,600.00                                | 6,463.45            | 6,503.45            | 6,503.45            | 32.79           | 225.31      | -48.67                | 1,426.90                          | -7,067.43  | 8,346.39             | 8,090.60              | 255.79                  | 32.630            |                    |         |
| 6,650.00                                | 6,513.15            | 6,553.15            | 6,553.15            | 32.97           | 227.05      | -21.13                | 1,426.90                          | -7,067.43  | 8,341.79             | 8,084.10              | 257.69                  | 32.371            |                    |         |
| 6,700.00                                | 6,562.37            | 6,602.37            | 6,602.37            | 33.15           | 228.77      | -11.04                | 1,426.90                          | -7,067.43  | 8,333.34             | 8,073.78              | 259.56                  | 32.105            |                    |         |
| 6,750.00                                | 6,610.80            | 6,650.80            | 6,650.80            | 33.34           | 230.46      | -6.09                 | 1,426.90                          | -7,067.43  | 8,321.08             | 8,059.69              | 261.39                  | 31.834            |                    |         |
| 6,800.00                                | 6,658.14            | 6,698.14            | 6,698.14            | 33.53           | 232.24      | -3.11                 | 1,426.90                          | -7,067.43  | 8,305.08             | 8,041.79              | 263.29                  | 31.544            |                    |         |
| 6,850.00                                | 6,704.11            | 6,744.11            | 6,744.11            | 33.74           | 233.71      | -1.07                 | 1,426.90                          | -7,067.43  | 8,285.45             | 8,020.59              | 264.87                  | 31.282            |                    |         |
| 6,900.00                                | 6,748.42            | 6,788.42            | 6,788.42            | 33.97           | 235.26      | 0.50                  | 1,426.90                          | -7,067.43  | 8,262.31             | 7,995.81              | 266.50                  | 31.003            |                    |         |
| 6,950.00                                | 6,790.79            | 6,830.79            | 6,830.79            | 34.21           | 236.74      | 1.82                  | 1,426.90                          | -7,067.43  | 8,235.79             | 7,967.74              | 268.05                  | 30.725            |                    |         |
| 7,000.00                                | 6,830.97            | 6,870.97            | 6,870.97            | 34.48           | 238.14      | 3.02                  | 1,426.90                          | -7,067.43  | 8,206.07             | 7,936.56              | 269.51                  | 30.448            |                    |         |
| 7,050.00                                | 6,868.71            | 6,908.71            | 6,908.71            | 34.77           | 239.46      | 4.20                  | 1,426.90                          | -7,067.43  | 8,173.32             | 7,902.46              | 270.87                  | 30.175            |                    |         |
| 7,100.00                                | 6,903.77            | 6,943.77            | 6,943.77            | 35.09           | 240.68      | 5.44                  | 1,426.90                          | -7,067.43  | 8,137.76             | 7,865.63              | 272.12                  | 29.905            |                    |         |
| 7,150.00                                | 6,935.93            | 6,975.93            | 6,975.93            | 35.44           | 241.81      | 6.83                  | 1,426.90                          | -7,067.43  | 8,099.59             | 7,826.32              | 273.27                  | 29.640            |                    |         |
| 7,200.00                                | 6,965.01            | 7,005.01            | 7,005.01            | 35.83           | 242.82      | 8.46                  | 1,426.90                          | -7,067.43  | 8,059.05             | 7,784.76              | 274.29                  | 29.381            |                    |         |
| 7,250.00                                | 6,990.82            | 7,030.82            | 7,030.82            | 36.26           | 243.72      | 10.49                 | 1,426.90                          | -7,067.43  | 8,016.40             | 7,741.20              | 275.20                  | 29.129            |                    |         |
| 7,300.00                                | 7,013.20            | 7,053.20            | 7,053.20            | 36.72           | 244.50      | 13.16                 | 1,426.90                          | -7,067.43  | 7,971.89             | 7,695.91              | 275.98                  | 28.885            |                    |         |
| 7,350.00                                | 7,032.02            | 7,072.02            | 7,072.02            | 37.23           | 245.16      | 16.89                 | 1,426.90                          | -7,067.43  | 7,925.81             | 7,649.17              | 276.64                  | 28.650            |                    |         |
| 7,400.00                                | 7,047.15            | 7,087.15            | 7,087.15            | 37.77           | 245.69      | 22.46                 | 1,426.90                          | -7,067.43  | 7,878.44             | 7,601.27              | 277.17                  | 28.425            |                    |         |
| 7,450.00                                | 7,058.51            | 7,101.49            | 7,101.49            | 38.34           | 246.19      | 31.53                 | 1,426.90                          | -7,067.43  | 7,830.06             | 7,552.40              | 277.67                  | 28.199            |                    |         |
| 7,500.00                                | 7,066.02            | 7,106.02            | 7,106.02            | 38.95           | 246.35      | 47.60                 | 1,426.90                          | -7,067.43  | 7,780.99             | 7,503.16              | 277.83                  | 28.006            |                    |         |
| 7,550.00                                | 7,069.64            | 7,109.64            | 7,109.64            | 39.58           | 246.47      | 75.44                 | 1,426.90                          | -7,067.43  | 7,731.52             | 7,453.55              | 277.97                  | 27.814            |                    |         |
| 7,571.20                                | 7,070.00            | 7,110.00            | 7,110.00            | 39.85           | 246.49      | 89.96                 | 1,426.90                          | -7,067.43  | 7,710.50             | 7,432.52              | 277.99                  | 27.737            |                    |         |
| 7,600.00                                | 7,070.00            | 7,110.00            | 7,110.00            | 40.23           | 246.49      | 89.96                 | 1,426.90                          | -7,067.43  | 7,681.94             | 7,403.94              | 278.00                  | 27.633            |                    |         |
| 7,700.00                                | 7,070.01            | 7,110.01            | 7,110.01            | 41.64           | 246.49      | 89.96                 | 1,426.90                          | -7,067.43  | 7,582.81             | 7,304.76              | 278.04                  | 27.272            |                    |         |
| 7,800.00                                | 7,070.02            | 7,110.02            | 7,110.02            | 43.20           | 246.49      | 89.96                 | 1,426.90                          | -7,067.43  | 7,483.69             | 7,205.60              | 278.09                  | 26.911            |                    |         |
| 7,900.00                                | 7,070.03            | 7,110.03            | 7,110.03            | 44.89           | 246.49      | 89.96                 | 1,426.90                          | -7,067.43  | 7,384.60             | 7,106.45              | 278.15                  | 26.549            |                    |         |
| 8,000.00                                | 7,070.04            | 7,110.04            | 7,110.04            | 46.69           | 246.49      | 89.96                 | 1,426.90                          | -7,067.43  | 7,285.53             | 7,007.32              | 278.22                  | 26.186            |                    |         |
| 8,100.00                                | 7,070.05            | 7,110.05            | 7,110.05            | 48.60           | 246.49      | 89.96                 | 1,426.90                          | -7,067.43  | 7,186.49             | 6,908.20              | 278.29                  | 25.823            |                    |         |
| 8,200.00                                | 7,070.05            | 7,110.05            | 7,110.05            | 50.59           | 246.49      | 89.96                 | 1,426.90                          | -7,067.43  | 7,087.48             | 6,809.10              | 278.38                  | 25.460            |                    |         |
| 8,300.00                                | 7,070.06            | 7,110.06            | 7,110.06            | 52.66           | 246.49      | 89.96                 | 1,426.90                          | -7,067.43  | 6,988.50             | 6,710.02              | 278.48                  | 25.096            |                    |         |
| 8,400.00                                | 7,070.07            | 7,110.07            | 7,110.07            | 54.81           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,889.54             | 6,610.96              | 278.58                  | 24.731            |                    |         |
| 8,500.00                                | 7,070.08            | 7,110.08            | 7,110.08            | 57.02           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,790.61             | 6,511.91              | 278.70                  | 24.365            |                    |         |
| 8,600.00                                | 7,070.09            | 7,110.09            | 7,110.09            | 59.28           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,691.72             | 6,412.89              | 278.83                  | 23.999            |                    |         |
| 8,700.00                                | 7,070.10            | 7,110.10            | 7,110.10            | 61.60           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,592.86             | 6,313.88              | 278.98                  | 23.632            |                    |         |
| 8,800.00                                | 7,070.11            | 7,110.11            | 7,110.11            | 63.95           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,494.04             | 6,214.90              | 279.13                  | 23.265            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,110.12            | 7,110.12            | 66.35           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,395.25             | 6,115.94              | 279.31                  | 22.897            |                    |         |
| 9,000.00                                | 7,070.13            | 7,110.13            | 7,110.13            | 68.79           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,296.50             | 6,017.00              | 279.49                  | 22.528            |                    |         |
| 9,100.00                                | 7,070.13            | 7,110.13            | 7,110.13            | 71.25           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,197.79             | 5,918.09              | 279.70                  | 22.159            |                    |         |
| 9,200.00                                | 7,070.14            | 7,110.14            | 7,110.14            | 73.74           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,099.12             | 5,819.20              | 279.92                  | 21.789            |                    |         |
| 9,300.00                                | 7,070.15            | 7,110.15            | 7,110.15            | 76.26           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 6,000.49             | 5,720.33              | 280.16                  | 21.418            |                    |         |
| 9,400.00                                | 7,070.16            | 7,110.16            | 7,110.16            | 78.80           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 5,901.92             | 5,621.49              | 280.42                  | 21.046            |                    |         |
| 9,500.00                                | 7,070.17            | 7,110.17            | 7,110.17            | 81.37           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 5,803.39             | 5,522.68              | 280.71                  | 20.674            |                    |         |
| 9,600.00                                | 7,070.18            | 7,110.18            | 7,110.18            | 83.95           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 5,704.91             | 5,423.90              | 281.01                  | 20.301            |                    |         |
| 9,700.00                                | 7,070.19            | 7,110.19            | 7,110.19            | 86.55           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 5,606.48             | 5,325.15              | 281.34                  | 19.928            |                    |         |
| 9,800.00                                | 7,070.20            | 7,110.20            | 7,110.20            | 89.17           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 5,508.12             | 5,226.42              | 281.69                  | 19.554            |                    |         |
| 9,900.00                                | 7,070.21            | 7,110.21            | 7,110.21            | 91.80           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 5,409.81             | 5,127.74              | 282.07                  | 19.179            |                    |         |
| 10,000.00                               | 7,070.21            | 7,110.21            | 7,110.21            | 94.44           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 5,311.56             | 5,029.08              | 282.48                  | 18.803            |                    |         |
| 10,100.00                               | 7,070.22            | 7,110.22            | 7,110.22            | 97.10           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 5,213.39             | 4,930.47              | 282.92                  | 18.427            |                    |         |
| 10,200.00                               | 7,070.23            | 7,110.23            | 7,110.23            | 99.77           | 246.49      | 89.97                 | 1,426.90                          | -7,067.43  | 5,115.28             | 4,831.89              | 283.39                  | 18.050            |                    |         |
| 10,300.00                               | 7,070.24            | 7,110.24            | 7,110.24            | 102.44          | 246.50      | 89.97                 | 1,426.90                          | -7,067.43  | 5,017.25             | 4,733.35              | 283.90                  | 17.673            |                    |         |
| 10,400.00                               | 7,070.25            | 7,110.25            | 7,110.25            | 105.13          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,919.29             | 4,634.85              | 284.44                  | 17.294            |                    |         |
| 10,500.00                               | 7,070.26            | 7,110.26            | 7,110.26            | 107.83          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,821.42             | 4,536.40              | 285.03                  | 16.916            |                    |         |
| 10,600.00                               | 7,070.27            | 7,110.27            | 7,110.27            | 110.53          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,723.64             | 4,437.99              | 285.65                  | 16.536            |                    |         |
| 10,700.00                               | 7,070.28            | 7,110.28            | 7,110.28            | 113.24          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,625.96             | 4,339.64              | 286.32                  | 16.157            |                    |         |
| 10,800.00                               | 7,070.28            | 7,110.28            | 7,110.28            | 115.96          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,528.38             | 4,241.34              | 287.04                  | 15.776            |                    |         |
| 10,900.00                               | 7,070.29            | 7,110.29            | 7,110.29            | 118.69          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,430.90             | 4,143.10              | 287.80                  | 15.396            |                    |         |
| 11,000.00                               | 7,070.30            | 7,110.30            | 7,110.30            | 121.42          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,333.54             | 4,044.91              | 288.63                  | 15.014            |                    |         |
| 11,100.00                               | 7,070.31            | 7,110.31            | 7,110.31            | 124.16          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,236.30             | 3,946.80              | 289.50                  | 14.633            |                    |         |
| 11,200.00                               | 7,070.32            | 7,110.32            | 7,110.32            | 126.90          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,139.19             | 3,848.75              | 290.45                  | 14.251            |                    |         |
| 11,300.00                               | 7,070.33            | 7,110.33            | 7,110.33            | 129.65          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 4,042.23             | 3,750.77              | 291.45                  | 13.869            |                    |         |
| 11,400.00                               | 7,070.34            | 7,110.34            | 7,110.34            | 132.40          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 3,945.41             | 3,652.88              | 292.53                  | 13.487            |                    |         |
| 11,500.00                               | 7,070.35            | 7,110.35            | 7,110.35            | 135.16          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 3,848.76             | 3,555.08              | 293.69                  | 13.105            |                    |         |
| 11,600.00                               | 7,070.36            | 7,110.36            | 7,110.36            | 137.92          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 3,752.29             | 3,457.36              | 294.92                  | 12.723            |                    |         |
| 11,700.00                               | 7,070.36            | 7,110.36            | 7,110.36            | 140.69          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 3,656.00             | 3,359.75              | 296.25                  | 12.341            |                    |         |
| 11,800.00                               | 7,070.37            | 7,110.37            | 7,110.37            | 143.46          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 3,559.92             | 3,262.25              | 297.67                  | 11.959            |                    |         |
| 11,900.00                               | 7,070.38            | 7,110.38            | 7,110.38            | 146.23          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 3,464.06             | 3,164.87              | 299.19                  | 11.578            |                    |         |
| 12,000.00                               | 7,070.39            | 7,110.39            | 7,110.39            | 149.01          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 3,368.44             | 3,067.63              | 300.82                  | 11.198            |                    |         |
| 12,100.00                               | 7,070.40            | 7,110.40            | 7,110.40            | 151.79          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 3,273.09             | 2,970.52              | 302.56                  | 10.818            |                    |         |
| 12,200.00                               | 7,070.41            | 7,110.41            | 7,110.41            | 154.57          | 246.50      | 89.98                 | 1,426.90                          | -7,067.43  | 3,178.01             | 2,873.57              | 304.44                  | 10.439            |                    |         |
| 12,300.00                               | 7,070.42            | 7,110.42            | 7,110.42            | 157.35          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 3,083.25             | 2,776.80              | 306.46                  | 10.061            |                    |         |
| 12,400.00                               | 7,070.43            | 7,110.43            | 7,110.43            | 160.14          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,988.84             | 2,680.22              | 308.62                  | 9.685             |                    |         |
| 12,500.00                               | 7,070.44            | 7,110.44            | 7,110.44            | 162.93          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,894.79             | 2,583.85              | 310.95                  | 9.310             |                    |         |
| 12,600.00                               | 7,070.44            | 7,110.44            | 7,110.44            | 165.72          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,801.16             | 2,487.71              | 313.45                  | 8.936             |                    |         |
| 12,700.00                               | 7,070.45            | 7,110.45            | 7,110.45            | 168.52          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,707.99             | 2,391.84              | 316.15                  | 8.566             |                    |         |
| 12,800.00                               | 7,070.46            | 7,110.46            | 7,110.46            | 171.32          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,615.32             | 2,296.26              | 319.06                  | 8.197             |                    |         |
| 12,900.00                               | 7,070.47            | 7,110.47            | 7,110.47            | 174.11          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,523.21             | 2,201.01              | 322.19                  | 7.831             |                    |         |
| 13,000.00                               | 7,070.48            | 7,110.48            | 7,110.48            | 176.92          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,431.72             | 2,106.14              | 325.58                  | 7.469             |                    |         |
| 13,100.00                               | 7,070.49            | 7,110.49            | 7,110.49            | 179.72          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,340.93             | 2,011.68              | 329.24                  | 7.110             |                    |         |
| 13,200.00                               | 7,070.50            | 7,110.50            | 7,110.50            | 182.52          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,250.92             | 1,917.71              | 333.21                  | 6.755             |                    |         |
| 13,300.00                               | 7,070.51            | 7,110.51            | 7,110.51            | 185.33          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,161.78             | 1,824.28              | 337.50                  | 6.405             |                    |         |
| 13,400.00                               | 7,070.52            | 7,110.52            | 7,110.52            | 188.14          | 246.50      | 89.99                 | 1,426.90                          | -7,067.43  | 2,073.64             | 1,731.49              | 342.15                  | 6.061             |                    |         |
| 13,500.00                               | 7,070.52            | 7,110.52            | 7,110.52            | 190.95          | 246.51      | 89.99                 | 1,426.90                          | -7,067.43  | 1,986.62             | 1,639.43              | 347.20                  | 5.722             |                    |         |
| 13,600.00                               | 7,070.53            | 7,110.53            | 7,110.53            | 193.76          | 246.51      | 89.99                 | 1,426.90                          | -7,067.43  | 1,900.88             | 1,548.21              | 352.67                  | 5.390             |                    |         |
| 13,700.00                               | 7,070.54            | 7,110.54            | 7,110.54            | 196.57          | 246.51      | 89.99                 | 1,426.90                          | -7,067.43  | 1,816.60             | 1,457.99              | 358.61                  | 5.066             |                    |         |
| 13,800.00                               | 7,070.55            | 7,110.55            | 7,110.55            | 199.38          | 246.51      | 89.99                 | 1,426.90                          | -7,067.43  | 1,733.99             | 1,368.94              | 365.05                  | 4.750             |                    |         |
| 13,900.00                               | 7,070.56            | 7,110.56            | 7,110.56            | 202.20          | 246.51      | 89.99                 | 1,426.90                          | -7,067.43  | 1,653.30             | 1,281.26              | 372.04                  | 4.444             |                    |         |
| 14,000.00                               | 7,070.57            | 7,110.57            | 7,110.57            | 205.01          | 246.51      | 89.99                 | 1,426.90                          | -7,067.43  | 1,574.83             | 1,195.24              | 379.60                  | 4.149             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00                               | 7,070.58            | 7,110.58            | 7,110.58            | 207.83          | 246.51      | 89.99                 | 1,426.90                          | -7,067.43  | 1,498.93             | 1,111.18              | 387.75                  | 3.866             |                    |         |
| 14,200.00                               | 7,070.59            | 7,110.59            | 7,110.59            | 210.65          | 246.51      | 89.99                 | 1,426.90                          | -7,067.43  | 1,426.00             | 1,029.50              | 396.50                  | 3.596             |                    |         |
| 14,300.00                               | 7,070.60            | 7,110.60            | 7,110.60            | 213.47          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,356.52             | 950.69                | 405.83                  | 3.343             |                    |         |
| 14,400.00                               | 7,070.60            | 7,110.60            | 7,110.60            | 216.29          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,291.06             | 875.37                | 415.69                  | 3.106             |                    |         |
| 14,500.00                               | 7,070.61            | 7,110.61            | 7,110.61            | 219.11          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,230.25             | 804.28                | 425.98                  | 2.888             |                    |         |
| 14,600.00                               | 7,070.62            | 7,110.62            | 7,110.62            | 221.94          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,174.82             | 738.32                | 436.51                  | 2.691             |                    |         |
| 14,700.00                               | 7,070.63            | 7,110.63            | 7,110.63            | 224.76          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,125.56             | 678.54                | 447.02                  | 2.518             |                    |         |
| 14,800.00                               | 7,070.64            | 7,110.64            | 7,110.64            | 227.58          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,083.32             | 626.13                | 457.18                  | 2.370             |                    |         |
| 14,900.00                               | 7,070.65            | 7,110.65            | 7,110.65            | 230.41          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,048.93             | 582.38                | 466.56                  | 2.248             |                    |         |
| 15,000.00                               | 7,070.66            | 7,110.66            | 7,110.66            | 233.24          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,023.20             | 548.53                | 474.68                  | 2.156             |                    |         |
| 15,100.00                               | 7,070.67            | 7,110.67            | 7,110.67            | 236.06          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,006.79             | 525.72                | 481.07                  | 2.093             |                    |         |
| 15,200.00                               | 7,070.68            | 7,110.68            | 7,110.68            | 238.89          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,000.16             | 514.78                | 485.38                  | 2.061             |                    |         |
| 15,216.58                               | 7,070.68            | 7,110.68            | 7,110.68            | 239.36          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,000.02             | 514.15                | 485.87                  | 2.058             | CC, ES, SF         |         |
| 15,300.00                               | 7,070.68            | 7,110.68            | 7,110.68            | 241.72          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,003.49             | 516.12                | 487.37                  | 2.059             |                    |         |
| 15,400.00                               | 7,070.69            | 7,110.69            | 7,110.69            | 244.55          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,016.70             | 529.66                | 487.04                  | 2.088             |                    |         |
| 15,500.00                               | 7,070.70            | 7,110.70            | 7,110.70            | 247.38          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,039.41             | 554.83                | 484.57                  | 2.145             |                    |         |
| 15,600.00                               | 7,070.71            | 7,110.71            | 7,110.71            | 250.21          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,071.01             | 590.71                | 480.30                  | 2.230             |                    |         |
| 15,700.00                               | 7,070.72            | 7,110.72            | 7,110.72            | 253.04          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,110.74             | 636.11                | 474.63                  | 2.340             |                    |         |
| 15,800.00                               | 7,070.73            | 7,110.73            | 7,110.73            | 255.87          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,157.77             | 689.79                | 467.98                  | 2.474             |                    |         |
| 15,900.00                               | 7,070.74            | 7,110.74            | 7,110.74            | 258.71          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,211.24             | 750.50                | 460.75                  | 2.629             |                    |         |
| 16,000.00                               | 7,070.75            | 7,110.75            | 7,110.75            | 261.54          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,270.35             | 817.12                | 453.24                  | 2.803             |                    |         |
| 16,100.00                               | 7,070.76            | 7,110.76            | 7,110.76            | 264.37          | 246.51      | 90.00                 | 1,426.90                          | -7,067.43  | 1,334.35             | 888.65                | 445.69                  | 2.994             |                    |         |
| 16,200.00                               | 7,070.76            | 7,110.76            | 7,110.76            | 267.21          | 246.51      | 90.01                 | 1,426.90                          | -7,067.43  | 1,402.56             | 964.26                | 438.29                  | 3.200             |                    |         |
| 16,300.00                               | 7,070.77            | 7,110.77            | 7,110.77            | 270.04          | 246.51      | 90.01                 | 1,426.90                          | -7,067.43  | 1,474.40             | 1,043.24              | 431.15                  | 3.420             |                    |         |
| 16,400.00                               | 7,070.78            | 7,110.78            | 7,110.78            | 272.88          | 246.51      | 90.01                 | 1,426.90                          | -7,067.43  | 1,549.37             | 1,125.02              | 424.34                  | 3.651             |                    |         |
| 16,500.00                               | 7,070.79            | 7,110.79            | 7,110.79            | 275.71          | 246.51      | 90.01                 | 1,426.90                          | -7,067.43  | 1,627.03             | 1,209.13              | 417.90                  | 3.893             |                    |         |
| 16,600.00                               | 7,070.80            | 7,110.80            | 7,110.80            | 278.55          | 246.51      | 90.01                 | 1,426.90                          | -7,067.43  | 1,707.02             | 1,295.17              | 411.84                  | 4.145             |                    |         |
| 16,700.00                               | 7,070.81            | 7,110.81            | 7,110.81            | 281.39          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 1,789.02             | 1,382.85              | 406.17                  | 4.405             |                    |         |
| 16,800.00                               | 7,070.82            | 7,110.82            | 7,110.82            | 284.22          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 1,872.77             | 1,471.90              | 400.87                  | 4.672             |                    |         |
| 16,900.00                               | 7,070.83            | 7,110.83            | 7,110.83            | 287.06          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 1,958.05             | 1,562.12              | 395.93                  | 4.945             |                    |         |
| 17,000.00                               | 7,070.84            | 7,110.84            | 7,110.84            | 289.90          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,044.66             | 1,653.34              | 391.32                  | 5.225             |                    |         |
| 17,100.00                               | 7,070.84            | 7,110.84            | 7,110.84            | 292.74          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,132.45             | 1,745.42              | 387.03                  | 5.510             |                    |         |
| 17,200.00                               | 7,070.85            | 7,110.85            | 7,110.85            | 295.58          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,221.26             | 1,838.24              | 383.03                  | 5.799             |                    |         |
| 17,300.00                               | 7,070.86            | 7,110.86            | 7,110.86            | 298.42          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,310.99             | 1,931.70              | 379.30                  | 6.093             |                    |         |
| 17,400.00                               | 7,070.87            | 7,110.87            | 7,110.87            | 301.26          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,401.54             | 2,025.72              | 375.82                  | 6.390             |                    |         |
| 17,500.00                               | 7,070.88            | 7,110.88            | 7,110.88            | 304.10          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,492.80             | 2,120.24              | 372.57                  | 6.691             |                    |         |
| 17,600.00                               | 7,070.89            | 7,110.89            | 7,110.89            | 306.94          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,584.71             | 2,215.19              | 369.53                  | 6.995             |                    |         |
| 17,700.00                               | 7,070.90            | 7,110.90            | 7,110.90            | 309.78          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,677.21             | 2,310.52              | 366.69                  | 7.301             |                    |         |
| 17,800.00                               | 7,070.91            | 7,110.91            | 7,110.91            | 312.62          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,770.22             | 2,406.20              | 364.02                  | 7.610             |                    |         |
| 17,900.00                               | 7,070.92            | 7,110.92            | 7,110.92            | 315.46          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,863.70             | 2,502.18              | 361.53                  | 7.921             |                    |         |
| 18,000.00                               | 7,070.92            | 7,110.92            | 7,110.92            | 318.31          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 2,957.62             | 2,598.43              | 359.18                  | 8.234             |                    |         |
| 18,100.00                               | 7,070.93            | 7,110.93            | 7,110.93            | 321.15          | 246.52      | 90.01                 | 1,426.90                          | -7,067.43  | 3,051.91             | 2,694.93              | 356.98                  | 8.549             |                    |         |
| 18,200.00                               | 7,070.94            | 7,110.94            | 7,110.94            | 323.99          | 246.52      | 90.02                 | 1,426.90                          | -7,067.43  | 3,146.56             | 2,791.66              | 354.91                  | 8.866             |                    |         |
| 18,300.00                               | 7,070.95            | 7,110.95            | 7,110.95            | 326.83          | 246.52      | 90.02                 | 1,426.90                          | -7,067.43  | 3,241.53             | 2,888.58              | 352.95                  | 9.184             |                    |         |
| 18,400.00                               | 7,070.96            | 7,110.96            | 7,110.96            | 329.68          | 246.52      | 90.02                 | 1,426.90                          | -7,067.43  | 3,336.80             | 2,985.69              | 351.11                  | 9.504             |                    |         |
| 18,500.00                               | 7,070.97            | 7,110.97            | 7,110.97            | 332.52          | 246.52      | 90.02                 | 1,426.90                          | -7,067.43  | 3,432.33             | 3,082.96              | 349.37                  | 9.824             |                    |         |
| 18,600.00                               | 7,070.98            | 7,110.98            | 7,110.98            | 335.36          | 246.52      | 90.02                 | 1,426.90                          | -7,067.43  | 3,528.12             | 3,180.38              | 347.73                  | 10.146            |                    |         |
| 18,700.00                               | 7,070.99            | 7,110.99            | 7,110.99            | 338.21          | 246.52      | 90.02                 | 1,426.90                          | -7,067.43  | 3,624.12             | 3,277.94              | 346.18                  | 10.469            |                    |         |
| 18,800.00                               | 7,070.99            | 7,110.99            | 7,110.99            | 341.05          | 246.52      | 90.02                 | 1,426.90                          | -7,067.43  | 3,720.34             | 3,375.63              | 344.71                  | 10.793            |                    |         |
| 18,858.54                               | 7,071.00            | 7,111.00            | 7,111.00            | 342.72          | 246.52      | 90.02                 | 1,426.90                          | -7,067.43  | 3,776.76             | 3,432.88              | 343.89                  | 10.983            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 30.00               | 30.00               | 3.28            | 3.32        | -77.84                | 1,233.48                          | -5,724.34  | 5,855.73             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 130.00              | 130.00              | 3.28            | 4.31        | -77.84                | 1,233.48                          | -5,724.34  | 5,855.73             | 5,848.13              | 7.59                    | 771.240           |                    |         |
| 200.00                                  | 200.00              | 230.00              | 230.00              | 3.34            | 7.09        | -77.84                | 1,233.48                          | -5,724.34  | 5,855.73             | 5,845.30              | 10.43                   | 561.680           |                    |         |
| 300.00                                  | 300.00              | 330.00              | 330.00              | 3.44            | 10.31       | -77.84                | 1,233.48                          | -5,724.34  | 5,855.73             | 5,841.97              | 13.76                   | 425.705           |                    |         |
| 400.00                                  | 399.98              | 429.98              | 429.98              | 3.60            | 13.66       | -150.33               | 1,233.48                          | -5,724.34  | 5,857.24             | 5,839.98              | 17.27                   | 339.245           |                    |         |
| 500.00                                  | 499.84              | 529.84              | 529.84              | 3.80            | 17.07       | -150.31               | 1,233.48                          | -5,724.34  | 5,861.79             | 5,840.92              | 20.87                   | 280.869           |                    |         |
| 600.00                                  | 599.45              | 629.45              | 629.45              | 4.04            | 20.49       | -150.28               | 1,233.48                          | -5,724.34  | 5,869.37             | 5,844.84              | 24.53                   | 239.235           |                    |         |
| 700.00                                  | 698.70              | 728.70              | 728.70              | 4.32            | 23.92       | -150.23               | 1,233.48                          | -5,724.34  | 5,879.97             | 5,851.74              | 28.23                   | 208.254           |                    |         |
| 800.00                                  | 797.47              | 827.47              | 827.47              | 4.63            | 27.34       | -150.17               | 1,233.48                          | -5,724.34  | 5,893.59             | 5,861.63              | 31.96                   | 184.419           |                    |         |
| 900.00                                  | 895.62              | 925.62              | 925.62              | 4.97            | 30.74       | -150.10               | 1,233.48                          | -5,724.34  | 5,910.21             | 5,874.52              | 35.69                   | 165.590           |                    |         |
| 924.00                                  | 919.08              | 949.08              | 949.08              | 5.06            | 31.56       | -150.08               | 1,233.48                          | -5,724.34  | 5,914.64             | 5,878.05              | 36.59                   | 161.638           |                    |         |
| 1,000.00                                | 993.28              | 1,023.28            | 1,023.28            | 5.34            | 34.14       | -150.15               | 1,233.48                          | -5,724.34  | 5,928.97             | 5,889.53              | 39.43                   | 150.355           |                    |         |
| 1,100.00                                | 1,090.92            | 1,120.92            | 1,120.92            | 5.73            | 37.53       | -150.26               | 1,233.48                          | -5,724.34  | 5,947.83             | 5,904.64              | 43.19                   | 137.715           |                    |         |
| 1,200.00                                | 1,188.56            | 1,218.56            | 1,218.56            | 6.15            | 40.93       | -150.36               | 1,233.48                          | -5,724.34  | 5,966.71             | 5,919.75              | 46.96                   | 127.050           |                    |         |
| 1,300.00                                | 1,286.19            | 1,316.19            | 1,316.19            | 6.57            | 44.32       | -150.46               | 1,233.48                          | -5,724.34  | 5,985.61             | 5,934.86              | 50.75                   | 117.938           |                    |         |
| 1,400.00                                | 1,383.83            | 1,413.83            | 1,413.83            | 7.01            | 47.72       | -150.56               | 1,233.48                          | -5,724.34  | 6,004.53             | 5,949.97              | 54.55                   | 110.069           |                    |         |
| 1,500.00                                | 1,481.47            | 1,511.47            | 1,511.47            | 7.46            | 51.13       | -150.66               | 1,233.48                          | -5,724.34  | 6,023.46             | 5,965.10              | 58.36                   | 103.207           |                    |         |
| 1,600.00                                | 1,579.10            | 1,609.10            | 1,609.10            | 7.91            | 54.53       | -150.76               | 1,233.48                          | -5,724.34  | 6,042.42             | 5,980.24              | 62.18                   | 97.174            |                    |         |
| 1,700.00                                | 1,676.74            | 1,706.74            | 1,706.74            | 8.37            | 57.93       | -150.86               | 1,233.48                          | -5,724.34  | 6,061.39             | 5,995.38              | 66.01                   | 91.830            |                    |         |
| 1,800.00                                | 1,774.38            | 1,804.38            | 1,804.38            | 8.84            | 61.33       | -150.96               | 1,233.48                          | -5,724.34  | 6,080.38             | 6,010.54              | 69.84                   | 87.064            |                    |         |
| 1,900.00                                | 1,872.02            | 1,902.02            | 1,902.02            | 9.31            | 64.74       | -151.06               | 1,233.48                          | -5,724.34  | 6,099.38             | 6,025.71              | 73.67                   | 82.789            |                    |         |
| 2,000.00                                | 1,969.65            | 2,000.35            | 1,999.65            | 9.79            | 68.17       | -151.16               | 1,233.48                          | -5,724.34  | 6,118.41             | 6,040.87              | 77.54                   | 78.908            |                    |         |
| 2,100.00                                | 2,067.29            | 2,102.71            | 2,097.29            | 10.27           | 71.74       | -151.25               | 1,233.48                          | -5,724.34  | 6,137.45             | 6,055.90              | 81.55                   | 75.262            |                    |         |
| 2,200.00                                | 2,164.93            | 2,205.07            | 2,194.93            | 10.75           | 75.31       | -151.35               | 1,233.48                          | -5,724.34  | 6,156.51             | 6,070.95              | 85.56                   | 71.955            |                    |         |
| 2,300.00                                | 2,262.56            | 2,307.44            | 2,292.56            | 11.24           | 78.88       | -151.44               | 1,233.48                          | -5,724.34  | 6,175.58             | 6,086.01              | 89.58                   | 68.943            |                    |         |
| 2,400.00                                | 2,360.20            | 2,409.80            | 2,390.20            | 11.73           | 82.45       | -151.54               | 1,233.48                          | -5,724.34  | 6,194.67             | 6,101.08              | 93.59                   | 66.188            |                    |         |
| 2,500.00                                | 2,457.84            | 2,487.84            | 2,487.84            | 12.22           | 85.17       | -151.63               | 1,233.48                          | -5,724.34  | 6,213.78             | 6,117.02              | 96.76                   | 64.216            |                    |         |
| 2,600.00                                | 2,555.48            | 2,585.48            | 2,585.48            | 12.71           | 88.57       | -151.73               | 1,233.48                          | -5,724.34  | 6,232.91             | 6,132.29              | 100.62                  | 61.945            |                    |         |
| 2,700.00                                | 2,653.11            | 2,683.11            | 2,683.11            | 13.20           | 91.98       | -151.82               | 1,233.48                          | -5,724.34  | 6,252.05             | 6,147.57              | 104.48                  | 59.841            |                    |         |
| 2,800.00                                | 2,750.75            | 2,780.75            | 2,780.75            | 13.70           | 95.39       | -151.91               | 1,233.48                          | -5,724.34  | 6,271.20             | 6,162.87              | 108.34                  | 57.885            |                    |         |
| 2,900.00                                | 2,848.39            | 2,878.39            | 2,878.39            | 14.19           | 98.79       | -152.01               | 1,233.48                          | -5,724.34  | 6,290.38             | 6,178.18              | 112.20                  | 56.064            |                    |         |
| 3,000.00                                | 2,946.02            | 2,976.02            | 2,976.02            | 14.69           | 102.20      | -152.10               | 1,233.48                          | -5,724.34  | 6,309.56             | 6,193.50              | 116.06                  | 54.364            |                    |         |
| 3,100.00                                | 3,043.66            | 3,073.66            | 3,073.66            | 15.19           | 105.61      | -152.19               | 1,233.48                          | -5,724.34  | 6,328.77             | 6,208.84              | 119.92                  | 52.773            |                    |         |
| 3,200.00                                | 3,141.30            | 3,171.30            | 3,171.30            | 15.69           | 109.01      | -152.28               | 1,233.48                          | -5,724.34  | 6,347.99             | 6,224.20              | 123.79                  | 51.281            |                    |         |
| 3,300.00                                | 3,238.94            | 3,268.94            | 3,268.94            | 16.19           | 112.42      | -152.37               | 1,233.48                          | -5,724.34  | 6,367.22             | 6,239.57              | 127.65                  | 49.879            |                    |         |
| 3,400.00                                | 3,336.57            | 3,366.57            | 3,366.57            | 16.69           | 115.83      | -152.46               | 1,233.48                          | -5,724.34  | 6,386.47             | 6,254.95              | 131.52                  | 48.559            |                    |         |
| 3,500.00                                | 3,434.21            | 3,464.21            | 3,464.21            | 17.19           | 119.24      | -152.55               | 1,233.48                          | -5,724.34  | 6,405.74             | 6,270.35              | 135.39                  | 47.314            |                    |         |
| 3,600.00                                | 3,531.85            | 3,561.85            | 3,561.85            | 17.69           | 122.64      | -152.64               | 1,233.48                          | -5,724.34  | 6,425.02             | 6,285.76              | 139.25                  | 46.139            |                    |         |
| 3,700.00                                | 3,629.48            | 3,659.48            | 3,659.48            | 18.20           | 126.05      | -152.72               | 1,233.48                          | -5,724.34  | 6,444.31             | 6,301.19              | 143.12                  | 45.027            |                    |         |
| 3,800.00                                | 3,727.12            | 3,757.12            | 3,757.12            | 18.70           | 129.46      | -152.81               | 1,233.48                          | -5,724.34  | 6,463.62             | 6,316.63              | 146.99                  | 43.973            |                    |         |
| 3,900.00                                | 3,824.76            | 3,854.76            | 3,854.76            | 19.21           | 132.86      | -152.90               | 1,233.48                          | -5,724.34  | 6,482.94             | 6,332.09              | 150.86                  | 42.973            |                    |         |
| 4,000.00                                | 3,922.40            | 3,952.40            | 3,952.40            | 19.71           | 136.27      | -152.98               | 1,233.48                          | -5,724.34  | 6,502.28             | 6,347.55              | 154.73                  | 42.024            |                    |         |
| 4,100.00                                | 4,020.03            | 4,050.03            | 4,050.03            | 20.21           | 139.68      | -153.07               | 1,233.48                          | -5,724.34  | 6,521.64             | 6,363.04              | 158.60                  | 41.120            |                    |         |
| 4,200.00                                | 4,117.67            | 4,147.67            | 4,147.67            | 20.72           | 143.09      | -153.16               | 1,233.48                          | -5,724.34  | 6,541.00             | 6,378.53              | 162.47                  | 40.260            |                    |         |
| 4,300.00                                | 4,215.31            | 4,245.31            | 4,245.31            | 21.23           | 146.50      | -153.24               | 1,233.48                          | -5,724.34  | 6,560.38             | 6,394.04              | 166.34                  | 39.440            |                    |         |
| 4,400.00                                | 4,312.94            | 4,342.94            | 4,342.94            | 21.73           | 149.90      | -153.32               | 1,233.48                          | -5,724.34  | 6,579.78             | 6,409.57              | 170.21                  | 38.657            |                    |         |
| 4,500.00                                | 4,410.58            | 4,440.58            | 4,440.58            | 22.24           | 153.31      | -153.41               | 1,233.48                          | -5,724.34  | 6,599.19             | 6,425.10              | 174.08                  | 37.909            |                    |         |
| 4,600.00                                | 4,508.22            | 4,538.22            | 4,538.22            | 22.75           | 156.72      | -153.49               | 1,233.48                          | -5,724.34  | 6,618.61             | 6,440.65              | 177.95                  | 37.193            |                    |         |
| 4,700.00                                | 4,605.86            | 4,635.86            | 4,635.86            | 23.25           | 160.13      | -153.58               | 1,233.48                          | -5,724.34  | 6,638.04             | 6,456.22              | 181.82                  | 36.508            |                    |         |
| 4,800.00                                | 4,703.49            | 4,733.49            | 4,733.49            | 23.76           | 163.53      | -153.66               | 1,233.48                          | -5,724.34  | 6,657.49             | 6,471.79              | 185.70                  | 35.851            |                    |         |
| 4,900.00                                | 4,801.13            | 4,831.13            | 4,831.13            | 24.27           | 166.94      | -153.74               | 1,233.48                          | -5,724.34  | 6,676.95             | 6,487.38              | 189.57                  | 35.222            |                    |         |
| 5,000.00                                | 4,898.77            | 4,928.77            | 4,928.77            | 24.77           | 170.35      | -153.82               | 1,233.48                          | -5,724.34  | 6,696.43             | 6,502.99              | 193.44                  | 34.617            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,026.40            | 5,026.40            | 25.28           | 173.76      | -153.90               | 1,233.48                          | -5,724.34  | 6,715.92             | 6,518.60              | 197.31                  | 34.037            |                    |         |
| 5,200.00                                | 5,094.04            | 5,124.04            | 5,124.04            | 25.79           | 177.17      | -153.98               | 1,233.48                          | -5,724.34  | 6,735.42             | 6,534.23              | 201.19                  | 33.478            |                    |         |
| 5,300.00                                | 5,191.68            | 5,221.68            | 5,221.68            | 26.30           | 180.57      | -154.06               | 1,233.48                          | -5,724.34  | 6,754.93             | 6,549.87              | 205.06                  | 32.941            |                    |         |
| 5,400.00                                | 5,289.32            | 5,319.32            | 5,319.32            | 26.81           | 183.98      | -154.14               | 1,233.48                          | -5,724.34  | 6,774.46             | 6,565.53              | 208.93                  | 32.424            |                    |         |
| 5,500.00                                | 5,386.95            | 5,416.95            | 5,416.95            | 27.32           | 187.39      | -154.22               | 1,233.48                          | -5,724.34  | 6,794.00             | 6,581.19              | 212.81                  | 31.926            |                    |         |
| 5,600.00                                | 5,484.59            | 5,514.59            | 5,514.59            | 27.83           | 190.80      | -154.30               | 1,233.48                          | -5,724.34  | 6,813.55             | 6,596.87              | 216.68                  | 31.445            |                    |         |
| 5,700.00                                | 5,582.23            | 5,612.23            | 5,612.23            | 28.33           | 194.21      | -154.38               | 1,233.48                          | -5,724.34  | 6,833.12             | 6,612.56              | 220.55                  | 30.982            |                    |         |
| 5,800.00                                | 5,679.87            | 5,709.87            | 5,709.87            | 28.84           | 197.61      | -154.46               | 1,233.48                          | -5,724.34  | 6,852.69             | 6,628.27              | 224.43                  | 30.534            |                    |         |
| 5,900.00                                | 5,777.50            | 5,807.50            | 5,807.50            | 29.35           | 201.02      | -154.53               | 1,233.48                          | -5,724.34  | 6,872.28             | 6,643.98              | 228.30                  | 30.102            |                    |         |
| 6,000.00                                | 5,875.14            | 5,905.14            | 5,905.14            | 29.86           | 204.43      | -154.61               | 1,233.48                          | -5,724.34  | 6,891.88             | 6,659.71              | 232.17                  | 29.684            |                    |         |
| 6,100.00                                | 5,972.78            | 6,002.78            | 6,002.78            | 30.37           | 207.84      | -154.69               | 1,233.48                          | -5,724.34  | 6,911.49             | 6,675.45              | 236.05                  | 29.280            |                    |         |
| 6,200.00                                | 6,070.41            | 6,100.41            | 6,100.41            | 30.88           | 211.25      | -154.76               | 1,233.48                          | -5,724.34  | 6,931.12             | 6,691.20              | 239.92                  | 28.889            |                    |         |
| 6,300.00                                | 6,168.05            | 6,201.95            | 6,198.05            | 31.39           | 214.79      | -154.84               | 1,233.48                          | -5,724.34  | 6,950.76             | 6,706.82              | 243.93                  | 28.495            |                    |         |
| 6,400.00                                | 6,265.69            | 6,304.31            | 6,295.69            | 31.90           | 218.36      | -154.91               | 1,233.48                          | -5,724.34  | 6,970.40             | 6,722.43              | 247.97                  | 28.110            |                    |         |
| 6,439.09                                | 6,303.85            | 6,333.85            | 6,333.85            | 32.10           | 219.39      | -154.94               | 1,233.48                          | -5,724.34  | 6,978.09             | 6,728.90              | 249.18                  | 28.004            |                    |         |
| 6,450.00                                | 6,314.53            | 6,344.53            | 6,344.53            | 32.16           | 219.77      | -153.50               | 1,233.48                          | -5,724.34  | 6,980.14             | 6,730.53              | 249.61                  | 27.964            |                    |         |
| 6,500.00                                | 6,363.83            | 6,406.17            | 6,393.83            | 32.39           | 221.92      | -142.20               | 1,233.48                          | -5,724.34  | 6,987.21             | 6,735.23              | 251.98                  | 27.729            |                    |         |
| 6,550.00                                | 6,413.58            | 6,443.58            | 6,443.58            | 32.60           | 223.22      | -109.69               | 1,233.48                          | -5,724.34  | 6,990.41             | 6,736.91              | 253.50                  | 27.576            |                    |         |
| 6,600.00                                | 6,463.45            | 6,506.55            | 6,493.45            | 32.79           | 225.42      | -48.87                | 1,233.48                          | -5,724.34  | 6,989.72             | 6,733.83              | 255.89                  | 27.315            |                    |         |
| 6,650.00                                | 6,513.15            | 6,543.15            | 6,543.15            | 32.97           | 226.70      | -21.34                | 1,233.48                          | -5,724.34  | 6,985.13             | 6,727.80              | 257.34                  | 27.144            |                    |         |
| 6,700.00                                | 6,562.37            | 6,607.63            | 6,592.37            | 33.15           | 228.95      | -11.26                | 1,233.48                          | -5,724.34  | 6,976.69             | 6,716.95              | 259.74                  | 26.860            |                    |         |
| 6,750.00                                | 6,610.80            | 6,640.80            | 6,640.80            | 33.34           | 230.11      | -6.31                 | 1,233.48                          | -5,724.34  | 6,964.43             | 6,703.40              | 261.03                  | 26.680            |                    |         |
| 6,800.00                                | 6,658.14            | 6,688.14            | 6,688.14            | 33.53           | 231.76      | -3.35                 | 1,233.48                          | -5,724.34  | 6,948.44             | 6,685.64              | 262.80                  | 26.440            |                    |         |
| 6,850.00                                | 6,704.11            | 6,734.11            | 6,734.11            | 33.74           | 233.37      | -1.31                 | 1,233.48                          | -5,724.34  | 6,928.81             | 6,664.30              | 264.51                  | 26.195            |                    |         |
| 6,900.00                                | 6,748.42            | 6,778.42            | 6,778.42            | 33.97           | 234.91      | 0.25                  | 1,233.48                          | -5,724.34  | 6,905.67             | 6,639.53              | 266.14                  | 25.947            |                    |         |
| 6,950.00                                | 6,790.79            | 6,820.79            | 6,820.79            | 34.21           | 236.39      | 1.56                  | 1,233.48                          | -5,724.34  | 6,879.16             | 6,611.46              | 267.69                  | 25.698            |                    |         |
| 7,000.00                                | 6,830.97            | 6,860.97            | 6,860.97            | 34.48           | 237.79      | 2.74                  | 1,233.48                          | -5,724.34  | 6,849.43             | 6,580.28              | 269.15                  | 25.448            |                    |         |
| 7,050.00                                | 6,868.71            | 6,901.30            | 6,898.71            | 34.77           | 239.20      | 3.91                  | 1,233.48                          | -5,724.34  | 6,816.68             | 6,546.08              | 270.60                  | 25.191            |                    |         |
| 7,100.00                                | 6,903.77            | 6,933.77            | 6,933.77            | 35.09           | 240.34      | 5.12                  | 1,233.48                          | -5,724.34  | 6,781.10             | 6,509.34              | 271.77                  | 24.952            |                    |         |
| 7,150.00                                | 6,935.93            | 6,965.93            | 6,965.93            | 35.44           | 241.46      | 6.48                  | 1,233.48                          | -5,724.34  | 6,742.92             | 6,470.01              | 272.91                  | 24.708            |                    |         |
| 7,200.00                                | 6,965.01            | 7,004.99            | 6,995.01            | 35.83           | 242.82      | 8.08                  | 1,233.48                          | -5,724.34  | 6,702.37             | 6,428.09              | 274.29                  | 24.436            |                    |         |
| 7,250.00                                | 6,990.82            | 7,020.82            | 7,020.82            | 36.26           | 243.37      | 10.08                 | 1,233.48                          | -5,724.34  | 6,659.71             | 6,384.86              | 274.84                  | 24.231            |                    |         |
| 7,300.00                                | 7,013.20            | 7,043.20            | 7,043.20            | 36.72           | 244.16      | 12.70                 | 1,233.48                          | -5,724.34  | 6,615.19             | 6,339.56              | 275.63                  | 24.001            |                    |         |
| 7,350.00                                | 7,032.02            | 7,062.02            | 7,062.02            | 37.23           | 244.81      | 16.35                 | 1,233.48                          | -5,724.34  | 6,569.09             | 6,292.81              | 276.28                  | 23.777            |                    |         |
| 7,400.00                                | 7,047.15            | 7,077.15            | 7,077.15            | 37.77           | 245.34      | 21.84                 | 1,233.48                          | -5,724.34  | 6,521.70             | 6,244.89              | 276.81                  | 23.560            |                    |         |
| 7,450.00                                | 7,058.51            | 7,088.51            | 7,088.51            | 38.34           | 245.74      | 30.81                 | 1,233.48                          | -5,724.34  | 6,473.31             | 6,196.11              | 277.21                  | 23.352            |                    |         |
| 7,500.00                                | 7,066.02            | 7,103.98            | 7,096.02            | 38.95           | 246.28      | 46.87                 | 1,233.48                          | -5,724.34  | 6,424.22             | 6,146.47              | 277.75                  | 23.129            |                    |         |
| 7,550.00                                | 7,069.64            | 7,100.36            | 7,099.64            | 39.58           | 246.15      | 75.11                 | 1,233.48                          | -5,724.34  | 6,374.73             | 6,097.10              | 277.63                  | 22.961            |                    |         |
| 7,571.20                                | 7,070.00            | 7,100.00            | 7,100.00            | 39.85           | 246.14      | 89.96                 | 1,233.48                          | -5,724.34  | 6,353.71             | 6,076.08              | 277.63                  | 22.886            |                    |         |
| 7,600.00                                | 7,070.00            | 7,100.00            | 7,100.00            | 40.23           | 246.14      | 89.96                 | 1,233.48                          | -5,724.34  | 6,325.14             | 6,047.50              | 277.64                  | 22.782            |                    |         |
| 7,700.00                                | 7,070.01            | 7,100.01            | 7,100.01            | 41.64           | 246.14      | 89.96                 | 1,233.48                          | -5,724.34  | 6,225.97             | 5,948.28              | 277.68                  | 22.421            |                    |         |
| 7,800.00                                | 7,070.02            | 7,100.02            | 7,100.02            | 43.20           | 246.14      | 89.96                 | 1,233.48                          | -5,724.34  | 6,126.82             | 5,849.09              | 277.73                  | 22.060            |                    |         |
| 7,900.00                                | 7,070.03            | 7,100.03            | 7,100.03            | 44.89           | 246.14      | 89.96                 | 1,233.48                          | -5,724.34  | 6,027.71             | 5,749.91              | 277.79                  | 21.699            |                    |         |
| 8,000.00                                | 7,070.04            | 7,100.04            | 7,100.04            | 46.69           | 246.14      | 89.96                 | 1,233.48                          | -5,724.34  | 5,928.62             | 5,650.76              | 277.86                  | 21.337            |                    |         |
| 8,100.00                                | 7,070.05            | 7,100.05            | 7,100.05            | 48.60           | 246.14      | 89.96                 | 1,233.48                          | -5,724.34  | 5,829.56             | 5,551.63              | 277.94                  | 20.974            |                    |         |
| 8,200.00                                | 7,070.05            | 7,100.05            | 7,100.05            | 50.59           | 246.14      | 89.96                 | 1,233.48                          | -5,724.34  | 5,730.54             | 5,452.51              | 278.03                  | 20.611            |                    |         |
| 8,300.00                                | 7,070.06            | 7,100.06            | 7,100.06            | 52.66           | 246.14      | 89.96                 | 1,233.48                          | -5,724.34  | 5,631.55             | 5,353.43              | 278.13                  | 20.248            |                    |         |
| 8,400.00                                | 7,070.07            | 7,100.07            | 7,100.07            | 54.81           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 5,532.60             | 5,254.36              | 278.24                  | 19.884            |                    |         |
| 8,500.00                                | 7,070.08            | 7,100.08            | 7,100.08            | 57.02           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 5,433.69             | 5,155.32              | 278.37                  | 19.520            |                    |         |
| 8,600.00                                | 7,070.09            | 7,100.09            | 7,100.09            | 59.28           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 5,334.82             | 5,056.31              | 278.51                  | 19.155            |                    |         |
| 8,700.00                                | 7,070.10            | 7,100.10            | 7,100.10            | 61.60           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 5,235.99             | 4,957.32              | 278.66                  | 18.790            |                    |         |
| 8,800.00                                | 7,070.11            | 7,100.11            | 7,100.11            | 63.95           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 5,137.20             | 4,858.37              | 278.83                  | 18.424            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,100.12            | 7,100.12            | 66.35           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 5,038.46             | 4,759.44              | 279.02                  | 18.058            |                    |         |
| 9,000.00                                | 7,070.13            | 7,100.13            | 7,100.13            | 68.79           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,939.78             | 4,660.55              | 279.23                  | 17.691            |                    |         |
| 9,100.00                                | 7,070.13            | 7,100.13            | 7,100.13            | 71.25           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,841.15             | 4,561.68              | 279.46                  | 17.323            |                    |         |
| 9,200.00                                | 7,070.14            | 7,100.14            | 7,100.14            | 73.74           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,742.57             | 4,462.86              | 279.72                  | 16.955            |                    |         |
| 9,300.00                                | 7,070.15            | 7,100.15            | 7,100.15            | 76.26           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,644.06             | 4,364.06              | 279.99                  | 16.586            |                    |         |
| 9,400.00                                | 7,070.16            | 7,100.16            | 7,100.16            | 78.80           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,545.61             | 4,265.31              | 280.30                  | 16.217            |                    |         |
| 9,500.00                                | 7,070.17            | 7,100.17            | 7,100.17            | 81.37           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,447.23             | 4,166.60              | 280.63                  | 15.847            |                    |         |
| 9,600.00                                | 7,070.18            | 7,100.18            | 7,100.18            | 83.95           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,348.92             | 4,067.93              | 280.99                  | 15.477            |                    |         |
| 9,700.00                                | 7,070.19            | 7,100.19            | 7,100.19            | 86.55           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,250.70             | 3,969.31              | 281.39                  | 15.106            |                    |         |
| 9,800.00                                | 7,070.20            | 7,100.20            | 7,100.20            | 89.17           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,152.56             | 3,870.73              | 281.83                  | 14.734            |                    |         |
| 9,900.00                                | 7,070.21            | 7,100.21            | 7,100.21            | 91.80           | 246.14      | 89.97                 | 1,233.48                          | -5,724.34  | 4,054.50             | 3,772.20              | 282.30                  | 14.362            |                    |         |
| 10,000.00                               | 7,070.21            | 7,100.21            | 7,100.21            | 94.44           | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,956.55             | 3,673.73              | 282.82                  | 13.990            |                    |         |
| 10,100.00                               | 7,070.22            | 7,100.22            | 7,100.22            | 97.10           | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,858.70             | 3,575.32              | 283.38                  | 13.617            |                    |         |
| 10,200.00                               | 7,070.23            | 7,100.23            | 7,100.23            | 99.77           | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,760.97             | 3,476.97              | 284.00                  | 13.243            |                    |         |
| 10,300.00                               | 7,070.24            | 7,100.24            | 7,100.24            | 102.44          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,663.35             | 3,378.68              | 284.67                  | 12.869            |                    |         |
| 10,400.00                               | 7,070.25            | 7,100.25            | 7,100.25            | 105.13          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,565.87             | 3,280.47              | 285.40                  | 12.494            |                    |         |
| 10,500.00                               | 7,070.26            | 7,100.26            | 7,100.26            | 107.83          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,468.54             | 3,182.33              | 286.20                  | 12.119            |                    |         |
| 10,600.00                               | 7,070.27            | 7,100.27            | 7,100.27            | 110.53          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,371.35             | 3,084.28              | 287.08                  | 11.744            |                    |         |
| 10,700.00                               | 7,070.28            | 7,100.28            | 7,100.28            | 113.24          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,274.34             | 2,986.32              | 288.03                  | 11.368            |                    |         |
| 10,800.00                               | 7,070.28            | 7,100.28            | 7,100.28            | 115.96          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,177.52             | 2,888.45              | 289.06                  | 10.992            |                    |         |
| 10,900.00                               | 7,070.29            | 7,100.29            | 7,100.29            | 118.69          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 3,080.89             | 2,790.70              | 290.20                  | 10.617            |                    |         |
| 11,000.00                               | 7,070.30            | 7,100.30            | 7,100.30            | 121.42          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 2,984.49             | 2,693.06              | 291.43                  | 10.241            |                    |         |
| 11,100.00                               | 7,070.31            | 7,100.31            | 7,100.31            | 124.16          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 2,888.33             | 2,595.55              | 292.78                  | 9.865             |                    |         |
| 11,200.00                               | 7,070.32            | 7,100.32            | 7,100.32            | 126.90          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 2,792.45             | 2,498.19              | 294.26                  | 9.490             |                    |         |
| 11,300.00                               | 7,070.33            | 7,100.33            | 7,100.33            | 129.65          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 2,696.86             | 2,400.99              | 295.87                  | 9.115             |                    |         |
| 11,400.00                               | 7,070.34            | 7,100.34            | 7,100.34            | 132.40          | 246.15      | 89.98                 | 1,233.48                          | -5,724.34  | 2,601.60             | 2,303.96              | 297.64                  | 8.741             |                    |         |
| 11,500.00                               | 7,070.35            | 7,100.35            | 7,100.35            | 135.16          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 2,506.72             | 2,207.14              | 299.58                  | 8.368             |                    |         |
| 11,600.00                               | 7,070.36            | 7,100.36            | 7,100.36            | 137.92          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 2,412.24             | 2,110.54              | 301.70                  | 7.996             |                    |         |
| 11,700.00                               | 7,070.36            | 7,100.36            | 7,100.36            | 140.69          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 2,318.23             | 2,014.20              | 304.03                  | 7.625             |                    |         |
| 11,800.00                               | 7,070.37            | 7,100.37            | 7,100.37            | 143.46          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 2,224.75             | 1,918.16              | 306.59                  | 7.256             |                    |         |
| 11,900.00                               | 7,070.38            | 7,100.38            | 7,100.38            | 146.23          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 2,131.85             | 1,822.44              | 309.41                  | 6.890             |                    |         |
| 12,000.00                               | 7,070.39            | 7,100.39            | 7,100.39            | 149.01          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 2,039.63             | 1,727.11              | 312.52                  | 6.526             |                    |         |
| 12,100.00                               | 7,070.40            | 7,100.40            | 7,100.40            | 151.79          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,948.17             | 1,632.23              | 315.94                  | 6.166             |                    |         |
| 12,200.00                               | 7,070.41            | 7,100.41            | 7,100.41            | 154.57          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,857.59             | 1,537.87              | 319.73                  | 5.810             |                    |         |
| 12,300.00                               | 7,070.42            | 7,100.42            | 7,100.42            | 157.35          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,768.03             | 1,444.12              | 323.91                  | 5.458             |                    |         |
| 12,400.00                               | 7,070.43            | 7,100.43            | 7,100.43            | 160.14          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,679.65             | 1,351.10              | 328.55                  | 5.112             |                    |         |
| 12,500.00                               | 7,070.44            | 7,100.44            | 7,100.44            | 162.93          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,592.65             | 1,258.96              | 333.68                  | 4.773             |                    |         |
| 12,600.00                               | 7,070.44            | 7,100.44            | 7,100.44            | 165.72          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,507.25             | 1,167.87              | 339.38                  | 4.441             |                    |         |
| 12,700.00                               | 7,070.45            | 7,100.45            | 7,100.45            | 168.52          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,423.76             | 1,078.07              | 345.70                  | 4.119             |                    |         |
| 12,800.00                               | 7,070.46            | 7,100.46            | 7,100.46            | 171.32          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,342.53             | 989.84                | 352.69                  | 3.807             |                    |         |
| 12,900.00                               | 7,070.47            | 7,100.47            | 7,100.47            | 174.11          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,263.99             | 903.58                | 360.41                  | 3.507             |                    |         |
| 13,000.00                               | 7,070.48            | 7,100.48            | 7,100.48            | 176.92          | 246.15      | 89.99                 | 1,233.48                          | -5,724.34  | 1,188.68             | 819.78                | 368.90                  | 3.222             |                    |         |
| 13,100.00                               | 7,070.49            | 7,100.49            | 7,100.49            | 179.72          | 246.15      | 90.00                 | 1,233.48                          | -5,724.34  | 1,117.25             | 739.10                | 378.15                  | 2.954             |                    |         |
| 13,200.00                               | 7,070.50            | 7,100.50            | 7,100.50            | 182.52          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 1,050.50             | 662.37                | 388.12                  | 2.707             |                    |         |
| 13,300.00                               | 7,070.51            | 7,100.51            | 7,100.51            | 185.33          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 989.36               | 590.70                | 398.66                  | 2.482             |                    |         |
| 13,400.00                               | 7,070.52            | 7,100.52            | 7,100.52            | 188.14          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 934.94               | 525.45                | 409.49                  | 2.283             |                    |         |
| 13,500.00                               | 7,070.52            | 7,100.52            | 7,100.52            | 190.95          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 888.49               | 468.31                | 420.17                  | 2.115             |                    |         |
| 13,600.00                               | 7,070.53            | 7,100.53            | 7,100.53            | 193.76          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 851.29               | 421.18                | 430.11                  | 1.979             |                    |         |
| 13,700.00                               | 7,070.54            | 7,100.54            | 7,100.54            | 196.57          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 824.61               | 386.06                | 438.55                  | 1.880             |                    |         |
| 13,800.00                               | 7,070.55            | 7,100.55            | 7,100.55            | 199.38          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 809.49               | 364.71                | 444.78                  | 1.820             |                    |         |
| 13,873.56                               | 7,070.56            | 7,100.56            | 7,100.56            | 201.45          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 806.14               | 358.53                | 447.61                  | 1.801 CC          |                    |         |
| 13,900.00                               | 7,070.56            | 7,100.56            | 7,100.56            | 202.20          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 806.57               | 358.34                | 448.23                  | 1.799 ES, SF      |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,100.57            | 7,100.57            | 205.01          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 816.00               | 367.31                | 448.68                  | 1.819             |                    |         |
| 14,100.00                               | 7,070.58            | 7,100.58            | 7,100.58            | 207.83          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 837.34               | 391.02                | 446.32                  | 1.876             |                    |         |
| 14,200.00                               | 7,070.59            | 7,100.59            | 7,100.59            | 210.65          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 869.73               | 428.10                | 441.63                  | 1.969             |                    |         |
| 14,300.00                               | 7,070.60            | 7,100.60            | 7,100.60            | 213.47          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 911.99               | 476.71                | 435.28                  | 2.095             |                    |         |
| 14,400.00                               | 7,070.60            | 7,100.60            | 7,100.60            | 216.29          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 962.81               | 534.89                | 427.92                  | 2.250             |                    |         |
| 14,500.00                               | 7,070.61            | 7,100.61            | 7,100.61            | 219.11          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 1,020.93             | 600.82                | 420.11                  | 2.430             |                    |         |
| 14,600.00                               | 7,070.62            | 7,100.62            | 7,100.62            | 221.94          | 246.16      | 90.00                 | 1,233.48                          | -5,724.34  | 1,085.17             | 672.91                | 412.25                  | 2.632             |                    |         |
| 14,700.00                               | 7,070.63            | 7,100.63            | 7,100.63            | 224.76          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,154.50             | 749.88                | 404.62                  | 2.853             |                    |         |
| 14,800.00                               | 7,070.64            | 7,100.64            | 7,100.64            | 227.58          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,228.07             | 830.70                | 397.38                  | 3.090             |                    |         |
| 14,900.00                               | 7,070.65            | 7,100.65            | 7,100.65            | 230.41          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,305.16             | 914.56                | 390.60                  | 3.341             |                    |         |
| 15,000.00                               | 7,070.66            | 7,100.66            | 7,100.66            | 233.24          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,385.19             | 1,000.86              | 384.32                  | 3.604             |                    |         |
| 15,100.00                               | 7,070.67            | 7,100.67            | 7,100.67            | 236.06          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,467.66             | 1,089.12              | 378.54                  | 3.877             |                    |         |
| 15,200.00                               | 7,070.68            | 7,100.68            | 7,100.68            | 238.89          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,552.20             | 1,178.95              | 373.24                  | 4.159             |                    |         |
| 15,300.00                               | 7,070.68            | 7,100.68            | 7,100.68            | 241.72          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,638.48             | 1,270.09              | 368.39                  | 4.448             |                    |         |
| 15,400.00                               | 7,070.69            | 7,100.69            | 7,100.69            | 244.55          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,726.24             | 1,362.29              | 363.95                  | 4.743             |                    |         |
| 15,500.00                               | 7,070.70            | 7,100.70            | 7,100.70            | 247.38          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,815.26             | 1,455.38              | 359.88                  | 5.044             |                    |         |
| 15,600.00                               | 7,070.71            | 7,100.71            | 7,100.71            | 250.21          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,905.38             | 1,549.22              | 356.16                  | 5.350             |                    |         |
| 15,700.00                               | 7,070.72            | 7,100.72            | 7,100.72            | 253.04          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 1,996.44             | 1,643.70              | 352.74                  | 5.660             |                    |         |
| 15,800.00                               | 7,070.73            | 7,100.73            | 7,100.73            | 255.87          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 2,088.31             | 1,738.71              | 349.60                  | 5.973             |                    |         |
| 15,900.00                               | 7,070.74            | 7,100.74            | 7,100.74            | 258.71          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 2,180.90             | 1,834.19              | 346.71                  | 6.290             |                    |         |
| 16,000.00                               | 7,070.75            | 7,100.75            | 7,100.75            | 261.54          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 2,274.12             | 1,930.07              | 344.05                  | 6.610             |                    |         |
| 16,100.00                               | 7,070.76            | 7,100.76            | 7,100.76            | 264.37          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 2,367.89             | 2,026.30              | 341.59                  | 6.932             |                    |         |
| 16,200.00                               | 7,070.76            | 7,100.76            | 7,100.76            | 267.21          | 246.16      | 90.01                 | 1,233.48                          | -5,724.34  | 2,462.15             | 2,122.84              | 339.32                  | 7.256             |                    |         |
| 16,300.00                               | 7,070.77            | 7,100.77            | 7,100.77            | 270.04          | 246.16      | 90.02                 | 1,233.48                          | -5,724.34  | 2,556.85             | 2,219.64              | 337.21                  | 7.582             |                    |         |
| 16,400.00                               | 7,070.78            | 7,100.78            | 7,100.78            | 272.88          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 2,651.94             | 2,316.68              | 335.26                  | 7.910             |                    |         |
| 16,500.00                               | 7,070.79            | 7,100.79            | 7,100.79            | 275.71          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 2,747.38             | 2,413.93              | 333.44                  | 8.239             |                    |         |
| 16,600.00                               | 7,070.80            | 7,100.80            | 7,100.80            | 278.55          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 2,843.13             | 2,511.37              | 331.75                  | 8.570             |                    |         |
| 16,700.00                               | 7,070.81            | 7,100.81            | 7,100.81            | 281.39          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 2,939.16             | 2,608.98              | 330.18                  | 8.902             |                    |         |
| 16,800.00                               | 7,070.82            | 7,100.82            | 7,100.82            | 284.22          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,035.45             | 2,706.74              | 328.70                  | 9.235             |                    |         |
| 16,900.00                               | 7,070.83            | 7,100.83            | 7,100.83            | 287.06          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,131.97             | 2,804.64              | 327.33                  | 9.568             |                    |         |
| 17,000.00                               | 7,070.84            | 7,100.84            | 7,100.84            | 289.90          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,228.70             | 2,902.66              | 326.04                  | 9.903             |                    |         |
| 17,100.00                               | 7,070.84            | 7,100.84            | 7,100.84            | 292.74          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,325.63             | 3,000.80              | 324.83                  | 10.238            |                    |         |
| 17,200.00                               | 7,070.85            | 7,100.85            | 7,100.85            | 295.58          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,422.73             | 3,099.04              | 323.70                  | 10.574            |                    |         |
| 17,300.00                               | 7,070.86            | 7,100.86            | 7,100.86            | 298.42          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,520.00             | 3,197.37              | 322.63                  | 10.910            |                    |         |
| 17,400.00                               | 7,070.87            | 7,100.87            | 7,100.87            | 301.26          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,617.41             | 3,295.78              | 321.63                  | 11.247            |                    |         |
| 17,500.00                               | 7,070.88            | 7,100.88            | 7,100.88            | 304.10          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,714.96             | 3,394.28              | 320.69                  | 11.584            |                    |         |
| 17,600.00                               | 7,070.89            | 7,100.89            | 7,100.89            | 306.94          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,812.64             | 3,492.85              | 319.80                  | 11.922            |                    |         |
| 17,700.00                               | 7,070.90            | 7,100.90            | 7,100.90            | 309.78          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 3,910.44             | 3,591.48              | 318.96                  | 12.260            |                    |         |
| 17,800.00                               | 7,070.91            | 7,100.91            | 7,100.91            | 312.62          | 246.17      | 90.02                 | 1,233.48                          | -5,724.34  | 4,008.34             | 3,690.18              | 318.17                  | 12.598            |                    |         |
| 17,900.00                               | 7,070.92            | 7,100.92            | 7,100.92            | 315.46          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,106.35             | 3,788.93              | 317.42                  | 12.937            |                    |         |
| 18,000.00                               | 7,070.92            | 7,100.92            | 7,100.92            | 318.31          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,204.45             | 3,887.74              | 316.71                  | 13.275            |                    |         |
| 18,100.00                               | 7,070.93            | 7,100.93            | 7,100.93            | 321.15          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,302.64             | 3,986.60              | 316.04                  | 13.614            |                    |         |
| 18,200.00                               | 7,070.94            | 7,100.94            | 7,100.94            | 323.99          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,400.91             | 4,085.50              | 315.41                  | 13.953            |                    |         |
| 18,300.00                               | 7,070.95            | 7,100.95            | 7,100.95            | 326.83          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,499.25             | 4,184.44              | 314.81                  | 14.292            |                    |         |
| 18,400.00                               | 7,070.96            | 7,100.96            | 7,100.96            | 329.68          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,597.67             | 4,283.43              | 314.24                  | 14.631            |                    |         |
| 18,500.00                               | 7,070.97            | 7,100.97            | 7,100.97            | 332.52          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,696.15             | 4,382.45              | 313.70                  | 14.970            |                    |         |
| 18,600.00                               | 7,070.98            | 7,100.98            | 7,100.98            | 335.36          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,794.70             | 4,481.51              | 313.19                  | 15.309            |                    |         |
| 18,700.00                               | 7,070.99            | 7,100.99            | 7,100.99            | 338.21          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,893.30             | 4,580.60              | 312.70                  | 15.648            |                    |         |
| 18,800.00                               | 7,070.99            | 7,100.99            | 7,100.99            | 341.05          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 4,991.97             | 4,679.72              | 312.24                  | 15.988            |                    |         |
| 18,858.54                               | 7,071.00            | 7,101.00            | 7,101.00            | 342.72          | 246.17      | 90.03                 | 1,233.48                          | -5,724.34  | 5,049.75             | 4,737.76              | 311.98                  | 16.186            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 23.00               | 23.00               | 3.28            | 3.30        | -89.63                | 28.44                             | -4,372.24  | 4,372.33             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 123.00              | 123.00              | 3.28            | 4.15        | -89.63                | 28.44                             | -4,372.24  | 4,372.33             | 4,364.89              | 7.44                    | 587.808           |                    |         |
| 200.00                                  | 200.00              | 223.00              | 223.00              | 3.34            | 6.87        | -89.63                | 28.44                             | -4,372.24  | 4,372.33             | 4,362.12              | 10.21                   | 428.254           |                    |         |
| 300.00                                  | 300.00              | 323.00              | 323.00              | 3.44            | 10.08       | -89.63                | 28.44                             | -4,372.24  | 4,372.33             | 4,358.80              | 13.52                   | 323.302           |                    |         |
| 400.00                                  | 399.98              | 422.98              | 422.98              | 3.60            | 13.43       | -162.12               | 28.44                             | -4,372.24  | 4,373.99             | 4,356.96              | 17.03                   | 256.863           |                    |         |
| 500.00                                  | 499.84              | 522.84              | 522.84              | 3.80            | 16.83       | -162.11               | 28.44                             | -4,372.24  | 4,378.97             | 4,358.34              | 20.63                   | 212.251           |                    |         |
| 600.00                                  | 599.45              | 622.45              | 622.45              | 4.04            | 20.25       | -162.10               | 28.44                             | -4,372.24  | 4,387.27             | 4,362.97              | 24.29                   | 180.591           |                    |         |
| 700.00                                  | 698.70              | 721.70              | 721.70              | 4.32            | 23.68       | -162.08               | 28.44                             | -4,372.24  | 4,398.87             | 4,370.88              | 27.99                   | 157.133           |                    |         |
| 800.00                                  | 797.47              | 820.47              | 820.47              | 4.63            | 27.10       | -162.05               | 28.44                             | -4,372.24  | 4,413.77             | 4,382.05              | 31.72                   | 139.160           |                    |         |
| 900.00                                  | 895.62              | 918.62              | 918.62              | 4.97            | 30.50       | -162.01               | 28.44                             | -4,372.24  | 4,431.95             | 4,396.50              | 35.45                   | 125.019           |                    |         |
| 924.00                                  | 919.08              | 942.08              | 942.08              | 5.06            | 31.31       | -162.00               | 28.44                             | -4,372.24  | 4,436.80             | 4,400.45              | 36.35                   | 122.056           |                    |         |
| 1,000.00                                | 993.28              | 1,016.28            | 1,016.28            | 5.34            | 33.89       | -162.06               | 28.44                             | -4,372.24  | 4,452.46             | 4,413.27              | 39.19                   | 113.614           |                    |         |
| 1,100.00                                | 1,090.92            | 1,113.92            | 1,113.92            | 5.73            | 37.29       | -162.15               | 28.44                             | -4,372.24  | 4,473.07             | 4,430.13              | 42.94                   | 104.167           |                    |         |
| 1,200.00                                | 1,188.56            | 1,211.56            | 1,211.56            | 6.15            | 40.68       | -162.23               | 28.44                             | -4,372.24  | 4,493.69             | 4,446.98              | 46.71                   | 96.202            |                    |         |
| 1,300.00                                | 1,286.19            | 1,309.19            | 1,309.19            | 6.57            | 44.08       | -162.31               | 28.44                             | -4,372.24  | 4,514.32             | 4,463.82              | 50.49                   | 89.401            |                    |         |
| 1,400.00                                | 1,383.83            | 1,406.83            | 1,406.83            | 7.01            | 47.48       | -162.40               | 28.44                             | -4,372.24  | 4,534.95             | 4,480.66              | 54.29                   | 83.531            |                    |         |
| 1,500.00                                | 1,481.47            | 1,504.47            | 1,504.47            | 7.46            | 50.88       | -162.48               | 28.44                             | -4,372.24  | 4,555.60             | 4,497.50              | 58.10                   | 78.415            |                    |         |
| 1,600.00                                | 1,579.10            | 1,602.10            | 1,602.10            | 7.91            | 54.28       | -162.56               | 28.44                             | -4,372.24  | 4,576.26             | 4,514.35              | 61.91                   | 73.918            |                    |         |
| 1,700.00                                | 1,676.74            | 1,700.26            | 1,699.74            | 8.37            | 57.70       | -162.64               | 28.44                             | -4,372.24  | 4,596.92             | 4,531.17              | 65.75                   | 69.917            |                    |         |
| 1,800.00                                | 1,774.38            | 1,802.62            | 1,797.38            | 8.84            | 61.27       | -162.72               | 28.44                             | -4,372.24  | 4,617.59             | 4,547.85              | 69.74                   | 66.212            |                    |         |
| 1,900.00                                | 1,872.02            | 1,904.98            | 1,895.02            | 9.31            | 64.84       | -162.80               | 28.44                             | -4,372.24  | 4,638.27             | 4,564.54              | 73.74                   | 62.904            |                    |         |
| 2,000.00                                | 1,969.65            | 2,007.35            | 1,992.65            | 9.79            | 68.41       | -162.88               | 28.44                             | -4,372.24  | 4,658.96             | 4,581.23              | 77.74                   | 59.933            |                    |         |
| 2,100.00                                | 2,067.29            | 2,109.71            | 2,090.29            | 10.27           | 71.98       | -162.96               | 28.44                             | -4,372.24  | 4,679.66             | 4,597.92              | 81.74                   | 57.250            |                    |         |
| 2,200.00                                | 2,164.93            | 2,187.93            | 2,187.93            | 10.75           | 74.71       | -163.03               | 28.44                             | -4,372.24  | 4,700.37             | 4,615.46              | 84.91                   | 55.360            |                    |         |
| 2,300.00                                | 2,262.56            | 2,285.56            | 2,285.56            | 11.24           | 78.11       | -163.11               | 28.44                             | -4,372.24  | 4,721.08             | 4,632.33              | 88.75                   | 53.195            |                    |         |
| 2,400.00                                | 2,360.20            | 2,383.20            | 2,383.20            | 11.73           | 81.52       | -163.19               | 28.44                             | -4,372.24  | 4,741.81             | 4,649.21              | 92.60                   | 51.208            |                    |         |
| 2,500.00                                | 2,457.84            | 2,480.84            | 2,480.84            | 12.22           | 84.92       | -163.26               | 28.44                             | -4,372.24  | 4,762.54             | 4,666.09              | 96.45                   | 49.379            |                    |         |
| 2,600.00                                | 2,555.48            | 2,578.48            | 2,578.48            | 12.71           | 88.33       | -163.34               | 28.44                             | -4,372.24  | 4,783.28             | 4,682.97              | 100.30                  | 47.689            |                    |         |
| 2,700.00                                | 2,653.11            | 2,676.11            | 2,676.11            | 13.20           | 91.74       | -163.41               | 28.44                             | -4,372.24  | 4,804.02             | 4,699.87              | 104.15                  | 46.124            |                    |         |
| 2,800.00                                | 2,750.75            | 2,773.75            | 2,773.75            | 13.70           | 95.14       | -163.48               | 28.44                             | -4,372.24  | 4,824.77             | 4,716.76              | 108.01                  | 44.670            |                    |         |
| 2,900.00                                | 2,848.39            | 2,871.39            | 2,871.39            | 14.19           | 98.55       | -163.55               | 28.44                             | -4,372.24  | 4,845.54             | 4,733.67              | 111.87                  | 43.315            |                    |         |
| 3,000.00                                | 2,946.02            | 2,969.02            | 2,969.02            | 14.69           | 101.96      | -163.63               | 28.44                             | -4,372.24  | 4,866.30             | 4,750.58              | 115.72                  | 42.051            |                    |         |
| 3,100.00                                | 3,043.66            | 3,066.66            | 3,066.66            | 15.19           | 105.36      | -163.70               | 28.44                             | -4,372.24  | 4,887.08             | 4,767.50              | 119.58                  | 40.867            |                    |         |
| 3,200.00                                | 3,141.30            | 3,164.30            | 3,164.30            | 15.69           | 108.77      | -163.77               | 28.44                             | -4,372.24  | 4,907.86             | 4,784.42              | 123.44                  | 39.758            |                    |         |
| 3,300.00                                | 3,238.94            | 3,261.94            | 3,261.94            | 16.19           | 112.18      | -163.84               | 28.44                             | -4,372.24  | 4,928.65             | 4,801.35              | 127.30                  | 38.715            |                    |         |
| 3,400.00                                | 3,336.57            | 3,359.57            | 3,359.57            | 16.69           | 115.58      | -163.91               | 28.44                             | -4,372.24  | 4,949.45             | 4,818.28              | 131.17                  | 37.734            |                    |         |
| 3,500.00                                | 3,434.21            | 3,457.21            | 3,457.21            | 17.19           | 118.99      | -163.98               | 28.44                             | -4,372.24  | 4,970.25             | 4,835.22              | 135.03                  | 36.809            |                    |         |
| 3,600.00                                | 3,531.85            | 3,554.85            | 3,554.85            | 17.69           | 122.40      | -164.05               | 28.44                             | -4,372.24  | 4,991.06             | 4,852.17              | 138.89                  | 35.935            |                    |         |
| 3,700.00                                | 3,629.48            | 3,652.48            | 3,652.48            | 18.20           | 125.81      | -164.11               | 28.44                             | -4,372.24  | 5,011.88             | 4,869.13              | 142.76                  | 35.108            |                    |         |
| 3,800.00                                | 3,727.12            | 3,750.12            | 3,750.12            | 18.70           | 129.21      | -164.18               | 28.44                             | -4,372.24  | 5,032.71             | 4,886.09              | 146.62                  | 34.325            |                    |         |
| 3,900.00                                | 3,824.76            | 3,847.76            | 3,847.76            | 19.21           | 132.62      | -164.25               | 28.44                             | -4,372.24  | 5,053.54             | 4,903.05              | 150.49                  | 33.581            |                    |         |
| 4,000.00                                | 3,922.40            | 3,945.40            | 3,945.40            | 19.71           | 136.03      | -164.31               | 28.44                             | -4,372.24  | 5,074.37             | 4,920.02              | 154.35                  | 32.875            |                    |         |
| 4,100.00                                | 4,020.03            | 4,043.03            | 4,043.03            | 20.21           | 139.44      | -164.38               | 28.44                             | -4,372.24  | 5,095.22             | 4,937.00              | 158.22                  | 32.204            |                    |         |
| 4,200.00                                | 4,117.67            | 4,140.67            | 4,140.67            | 20.72           | 142.84      | -164.44               | 28.44                             | -4,372.24  | 5,116.07             | 4,953.98              | 162.08                  | 31.564            |                    |         |
| 4,300.00                                | 4,215.31            | 4,238.31            | 4,238.31            | 21.23           | 146.25      | -164.51               | 28.44                             | -4,372.24  | 5,136.92             | 4,970.97              | 165.95                  | 30.954            |                    |         |
| 4,400.00                                | 4,312.94            | 4,335.94            | 4,335.94            | 21.73           | 149.66      | -164.57               | 28.44                             | -4,372.24  | 5,157.79             | 4,987.97              | 169.82                  | 30.372            |                    |         |
| 4,500.00                                | 4,410.58            | 4,433.58            | 4,433.58            | 22.24           | 153.07      | -164.64               | 28.44                             | -4,372.24  | 5,178.66             | 5,004.97              | 173.69                  | 29.816            |                    |         |
| 4,600.00                                | 4,508.22            | 4,531.22            | 4,531.22            | 22.75           | 156.47      | -164.70               | 28.44                             | -4,372.24  | 5,199.53             | 5,021.98              | 177.55                  | 29.284            |                    |         |
| 4,700.00                                | 4,605.86            | 4,628.86            | 4,628.86            | 23.25           | 159.88      | -164.76               | 28.44                             | -4,372.24  | 5,220.41             | 5,038.99              | 181.42                  | 28.775            |                    |         |
| 4,800.00                                | 4,703.49            | 4,726.49            | 4,726.49            | 23.76           | 163.29      | -164.82               | 28.44                             | -4,372.24  | 5,241.30             | 5,056.01              | 185.29                  | 28.287            |                    |         |
| 4,900.00                                | 4,801.13            | 4,824.13            | 4,824.13            | 24.27           | 166.70      | -164.88               | 28.44                             | -4,372.24  | 5,262.19             | 5,073.03              | 189.16                  | 27.819            |                    |         |
| 5,000.00                                | 4,898.77            | 4,921.77            | 4,921.77            | 24.77           | 170.11      | -164.95               | 28.44                             | -4,372.24  | 5,283.09             | 5,090.06              | 193.03                  | 27.369            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,019.40            | 5,019.40            | 25.28           | 173.51      | -165.01               | 28.44                             | -4,372.24  | 5,303.99             | 5,107.10              | 196.90                  | 26.938            |                    |         |
| 5,200.00                                | 5,094.04            | 5,117.04            | 5,117.04            | 25.79           | 176.92      | -165.07               | 28.44                             | -4,372.24  | 5,324.90             | 5,124.14              | 200.77                  | 26.523            |                    |         |
| 5,300.00                                | 5,191.68            | 5,214.68            | 5,214.68            | 26.30           | 180.33      | -165.13               | 28.44                             | -4,372.24  | 5,345.82             | 5,141.18              | 204.64                  | 26.123            |                    |         |
| 5,400.00                                | 5,289.32            | 5,312.32            | 5,312.32            | 26.81           | 183.74      | -165.19               | 28.44                             | -4,372.24  | 5,366.74             | 5,158.23              | 208.51                  | 25.739            |                    |         |
| 5,500.00                                | 5,386.95            | 5,409.95            | 5,409.95            | 27.32           | 187.15      | -165.24               | 28.44                             | -4,372.24  | 5,387.67             | 5,175.29              | 212.38                  | 25.368            |                    |         |
| 5,600.00                                | 5,484.59            | 5,507.59            | 5,507.59            | 27.83           | 190.55      | -165.30               | 28.44                             | -4,372.24  | 5,408.60             | 5,192.35              | 216.25                  | 25.011            |                    |         |
| 5,700.00                                | 5,582.23            | 5,605.23            | 5,605.23            | 28.33           | 193.96      | -165.36               | 28.44                             | -4,372.24  | 5,429.53             | 5,209.41              | 220.12                  | 24.666            |                    |         |
| 5,800.00                                | 5,679.87            | 5,702.87            | 5,702.87            | 28.84           | 197.37      | -165.42               | 28.44                             | -4,372.24  | 5,450.48             | 5,226.49              | 223.99                  | 24.334            |                    |         |
| 5,900.00                                | 5,777.50            | 5,800.50            | 5,800.50            | 29.35           | 200.78      | -165.47               | 28.44                             | -4,372.24  | 5,471.42             | 5,243.56              | 227.86                  | 24.012            |                    |         |
| 6,000.00                                | 5,875.14            | 5,901.86            | 5,898.14            | 29.86           | 204.32      | -165.53               | 28.44                             | -4,372.24  | 5,492.38             | 5,260.51              | 231.86                  | 23.688            |                    |         |
| 6,100.00                                | 5,972.78            | 6,004.22            | 5,995.78            | 30.37           | 207.89      | -165.59               | 28.44                             | -4,372.24  | 5,513.33             | 5,277.43              | 235.90                  | 23.372            |                    |         |
| 6,200.00                                | 6,070.41            | 6,106.59            | 6,093.41            | 30.88           | 211.46      | -165.64               | 28.44                             | -4,372.24  | 5,534.30             | 5,294.36              | 239.94                  | 23.066            |                    |         |
| 6,300.00                                | 6,168.05            | 6,208.95            | 6,191.05            | 31.39           | 215.03      | -165.70               | 28.44                             | -4,372.24  | 5,555.26             | 5,311.29              | 243.97                  | 22.770            |                    |         |
| 6,400.00                                | 6,265.69            | 6,288.69            | 6,288.69            | 31.90           | 217.82      | -165.75               | 28.44                             | -4,372.24  | 5,576.24             | 5,329.02              | 247.22                  | 22.556            |                    |         |
| 6,439.09                                | 6,303.85            | 6,326.85            | 6,326.85            | 32.10           | 219.15      | -165.77               | 28.44                             | -4,372.24  | 5,584.43             | 5,335.70              | 248.73                  | 22.452            |                    |         |
| 6,450.00                                | 6,314.53            | 6,337.53            | 6,337.53            | 32.16           | 219.52      | -164.29               | 28.44                             | -4,372.24  | 5,586.63             | 5,337.48              | 249.15                  | 22.422            |                    |         |
| 6,500.00                                | 6,363.83            | 6,386.83            | 6,386.83            | 32.39           | 221.24      | -152.86               | 28.44                             | -4,372.24  | 5,594.35             | 5,343.25              | 251.10                  | 22.279            |                    |         |
| 6,550.00                                | 6,413.58            | 6,436.58            | 6,436.58            | 32.60           | 222.98      | -120.30               | 28.44                             | -4,372.24  | 5,598.18             | 5,345.14              | 253.05                  | 22.123            |                    |         |
| 6,600.00                                | 6,463.45            | 6,486.45            | 6,486.45            | 32.79           | 224.72      | -59.50                | 28.44                             | -4,372.24  | 5,598.10             | 5,343.12              | 254.98                  | 21.955            |                    |         |
| 6,650.00                                | 6,513.15            | 6,536.15            | 6,536.15            | 32.97           | 226.46      | -32.05                | 28.44                             | -4,372.24  | 5,594.11             | 5,337.22              | 256.89                  | 21.777            |                    |         |
| 6,700.00                                | 6,562.37            | 6,585.37            | 6,585.37            | 33.15           | 228.17      | -22.13                | 28.44                             | -4,372.24  | 5,586.23             | 5,327.47              | 258.76                  | 21.589            |                    |         |
| 6,750.00                                | 6,610.80            | 6,633.80            | 6,633.80            | 33.34           | 229.86      | -17.43                | 28.44                             | -4,372.24  | 5,574.51             | 5,313.93              | 260.58                  | 21.392            |                    |         |
| 6,800.00                                | 6,658.14            | 6,681.14            | 6,681.14            | 33.53           | 231.52      | -14.79                | 28.44                             | -4,372.24  | 5,559.03             | 5,296.68              | 262.35                  | 21.189            |                    |         |
| 6,850.00                                | 6,704.11            | 6,727.11            | 6,727.11            | 33.74           | 233.12      | -13.18                | 28.44                             | -4,372.24  | 5,539.88             | 5,275.82              | 264.06                  | 20.980            |                    |         |
| 6,900.00                                | 6,748.42            | 6,771.42            | 6,771.42            | 33.97           | 234.67      | -12.16                | 28.44                             | -4,372.24  | 5,517.18             | 5,251.49              | 265.69                  | 20.766            |                    |         |
| 6,950.00                                | 6,790.79            | 6,813.79            | 6,813.79            | 34.21           | 236.15      | -11.54                | 28.44                             | -4,372.24  | 5,491.06             | 5,223.83              | 267.23                  | 20.548            |                    |         |
| 7,000.00                                | 6,830.97            | 6,853.97            | 6,853.97            | 34.48           | 237.55      | -11.20                | 28.44                             | -4,372.24  | 5,461.70             | 5,193.02              | 268.68                  | 20.328            |                    |         |
| 7,050.00                                | 6,868.71            | 6,898.30            | 6,891.71            | 34.77           | 239.45      | -11.10                | 28.44                             | -4,372.24  | 5,429.27             | 5,158.66              | 270.61                  | 20.063            |                    |         |
| 7,100.00                                | 6,903.77            | 6,926.77            | 6,926.77            | 35.09           | 240.09      | -11.21                | 28.44                             | -4,372.24  | 5,393.98             | 5,122.70              | 271.28                  | 19.883            |                    |         |
| 7,150.00                                | 6,935.93            | 6,958.93            | 6,958.93            | 35.44           | 241.21      | -11.54                | 28.44                             | -4,372.24  | 5,356.03             | 5,083.62              | 272.42                  | 19.661            |                    |         |
| 7,200.00                                | 6,965.01            | 6,988.01            | 6,988.01            | 35.83           | 242.23      | -12.14                | 28.44                             | -4,372.24  | 5,315.67             | 5,042.24              | 273.43                  | 19.441            |                    |         |
| 7,250.00                                | 6,990.82            | 7,013.82            | 7,013.82            | 36.26           | 243.13      | -13.06                | 28.44                             | -4,372.24  | 5,273.14             | 4,998.81              | 274.33                  | 19.222            |                    |         |
| 7,300.00                                | 7,013.20            | 7,036.20            | 7,036.20            | 36.72           | 243.91      | -14.44                | 28.44                             | -4,372.24  | 5,228.71             | 4,953.61              | 275.10                  | 19.007            |                    |         |
| 7,350.00                                | 7,032.02            | 7,055.02            | 7,055.02            | 37.23           | 244.57      | -16.55                | 28.44                             | -4,372.24  | 5,182.65             | 4,906.90              | 275.74                  | 18.795            |                    |         |
| 7,400.00                                | 7,047.15            | 7,070.15            | 7,070.15            | 37.77           | 245.10      | -19.92                | 28.44                             | -4,372.24  | 5,135.23             | 4,858.98              | 276.26                  | 18.589            |                    |         |
| 7,450.00                                | 7,058.51            | 7,081.51            | 7,081.51            | 38.34           | 245.49      | -25.84                | 28.44                             | -4,372.24  | 5,086.77             | 4,810.13              | 276.64                  | 18.388            |                    |         |
| 7,500.00                                | 7,066.02            | 7,089.02            | 7,089.02            | 38.95           | 245.75      | -37.97                | 28.44                             | -4,372.24  | 5,037.54             | 4,760.65              | 276.89                  | 18.193            |                    |         |
| 7,550.00                                | 7,069.64            | 7,107.36            | 7,092.64            | 39.58           | 246.39      | -68.03                | 28.44                             | -4,372.24  | 4,987.86             | 4,710.33              | 277.53                  | 17.972            |                    |         |
| 7,571.20                                | 7,070.00            | 7,107.00            | 7,093.00            | 39.85           | 246.38      | -89.94                | 28.44                             | -4,372.24  | 4,966.74             | 4,689.22              | 277.52                  | 17.897            |                    |         |
| 7,600.00                                | 7,070.00            | 7,107.00            | 7,093.00            | 40.23           | 246.38      | -89.94                | 28.44                             | -4,372.24  | 4,938.03             | 4,660.51              | 277.52                  | 17.793            |                    |         |
| 7,700.00                                | 7,070.01            | 7,106.99            | 7,093.01            | 41.64           | 246.38      | -89.94                | 28.44                             | -4,372.24  | 4,838.37             | 4,560.84              | 277.53                  | 17.434            |                    |         |
| 7,800.00                                | 7,070.02            | 7,106.98            | 7,093.02            | 43.20           | 246.38      | -89.94                | 28.44                             | -4,372.24  | 4,738.72             | 4,461.17              | 277.54                  | 17.074            |                    |         |
| 7,900.00                                | 7,070.03            | 7,106.97            | 7,093.03            | 44.89           | 246.38      | -89.94                | 28.44                             | -4,372.24  | 4,639.08             | 4,361.52              | 277.56                  | 16.714            |                    |         |
| 8,000.00                                | 7,070.04            | 7,106.96            | 7,093.04            | 46.69           | 246.38      | -89.94                | 28.44                             | -4,372.24  | 4,539.46             | 4,261.87              | 277.59                  | 16.353            |                    |         |
| 8,100.00                                | 7,070.05            | 7,106.96            | 7,093.05            | 48.60           | 246.38      | -89.94                | 28.44                             | -4,372.24  | 4,439.85             | 4,162.24              | 277.61                  | 15.993            |                    |         |
| 8,200.00                                | 7,070.05            | 7,106.95            | 7,093.05            | 50.59           | 246.38      | -89.94                | 28.44                             | -4,372.24  | 4,340.27             | 4,062.62              | 277.65                  | 15.632            |                    |         |
| 8,300.00                                | 7,070.06            | 7,106.94            | 7,093.06            | 52.66           | 246.38      | -89.95                | 28.44                             | -4,372.24  | 4,240.70             | 3,963.01              | 277.69                  | 15.271            |                    |         |
| 8,400.00                                | 7,070.07            | 7,106.93            | 7,093.07            | 54.81           | 246.38      | -89.95                | 28.44                             | -4,372.24  | 4,141.16             | 3,863.42              | 277.74                  | 14.910            |                    |         |
| 8,500.00                                | 7,070.08            | 7,106.92            | 7,093.08            | 57.02           | 246.38      | -89.95                | 28.44                             | -4,372.24  | 4,041.64             | 3,763.84              | 277.79                  | 14.549            |                    |         |
| 8,600.00                                | 7,070.09            | 7,106.91            | 7,093.09            | 59.28           | 246.38      | -89.95                | 28.44                             | -4,372.24  | 3,942.14             | 3,664.28              | 277.85                  | 14.188            |                    |         |
| 8,700.00                                | 7,070.10            | 7,106.90            | 7,093.10            | 61.60           | 246.38      | -89.95                | 28.44                             | -4,372.24  | 3,842.67             | 3,564.74              | 277.93                  | 13.826            |                    |         |
| 8,800.00                                | 7,070.11            | 7,106.89            | 7,093.11            | 63.95           | 246.38      | -89.95                | 28.44                             | -4,372.24  | 3,743.22             | 3,465.21              | 278.01                  | 13.464            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                           | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|---------------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                           | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                           |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor         |                    |         |
| 8,900.00                                | 7,070.12            | 7,106.88            | 7,093.12            | 66.35           | 246.38      | -89.95                | 28.44                             | -4,372.24  | 3,643.81             | 3,365.70              | 278.11                  | 13.102                    |                    |         |
| 9,000.00                                | 7,070.13            | 7,106.88            | 7,093.13            | 68.79           | 246.38      | -89.96                | 28.44                             | -4,372.24  | 3,544.43             | 3,266.21              | 278.21                  | 12.740                    |                    |         |
| 9,100.00                                | 7,070.13            | 7,106.87            | 7,093.13            | 71.25           | 246.38      | -89.96                | 28.44                             | -4,372.24  | 3,445.08             | 3,166.75              | 278.34                  | 12.377                    |                    |         |
| 9,200.00                                | 7,070.14            | 7,106.86            | 7,093.14            | 73.74           | 246.38      | -89.96                | 28.44                             | -4,372.24  | 3,345.78             | 3,067.30              | 278.47                  | 12.015                    |                    |         |
| 9,300.00                                | 7,070.15            | 7,106.85            | 7,093.15            | 76.26           | 246.38      | -89.96                | 28.44                             | -4,372.24  | 3,246.51             | 2,967.88              | 278.63                  | 11.652                    |                    |         |
| 9,400.00                                | 7,070.16            | 7,106.84            | 7,093.16            | 78.80           | 246.38      | -89.96                | 28.44                             | -4,372.24  | 3,147.30             | 2,868.49              | 278.81                  | 11.288                    |                    |         |
| 9,500.00                                | 7,070.17            | 7,106.83            | 7,093.17            | 81.37           | 246.38      | -89.96                | 28.44                             | -4,372.24  | 3,048.13             | 2,769.12              | 279.01                  | 10.925                    |                    |         |
| 9,600.00                                | 7,070.18            | 7,106.82            | 7,093.18            | 83.95           | 246.38      | -89.96                | 28.44                             | -4,372.24  | 2,949.02             | 2,669.78              | 279.24                  | 10.561                    |                    |         |
| 9,700.00                                | 7,070.19            | 7,106.81            | 7,093.19            | 86.55           | 246.38      | -89.96                | 28.44                             | -4,372.24  | 2,849.98             | 2,570.48              | 279.50                  | 10.197                    |                    |         |
| 9,800.00                                | 7,070.20            | 7,106.80            | 7,093.20            | 89.17           | 246.38      | -89.97                | 28.44                             | -4,372.24  | 2,751.00             | 2,471.21              | 279.79                  | 9.832                     |                    |         |
| 9,900.00                                | 7,070.21            | 7,106.80            | 7,093.21            | 91.80           | 246.38      | -89.97                | 28.44                             | -4,372.24  | 2,652.10             | 2,371.97              | 280.13                  | 9.467                     |                    |         |
| 10,000.00                               | 7,070.21            | 7,106.79            | 7,093.21            | 94.44           | 246.37      | -89.97                | 28.44                             | -4,372.24  | 2,553.28             | 2,272.77              | 280.51                  | 9.102                     |                    |         |
| 10,100.00                               | 7,070.22            | 7,106.78            | 7,093.22            | 97.10           | 246.37      | -89.97                | 28.44                             | -4,372.24  | 2,454.56             | 2,173.62              | 280.95                  | 8.737                     |                    |         |
| 10,200.00                               | 7,070.23            | 7,106.77            | 7,093.23            | 99.77           | 246.37      | -89.97                | 28.44                             | -4,372.24  | 2,355.95             | 2,074.51              | 281.44                  | 8.371                     |                    |         |
| 10,300.00                               | 7,070.24            | 7,106.76            | 7,093.24            | 102.44          | 246.37      | -89.97                | 28.44                             | -4,372.24  | 2,257.46             | 1,975.45              | 282.01                  | 8.005                     |                    |         |
| 10,400.00                               | 7,070.25            | 7,106.75            | 7,093.25            | 105.13          | 246.37      | -89.97                | 28.44                             | -4,372.24  | 2,159.11             | 1,876.44              | 282.67                  | 7.638                     |                    |         |
| 10,500.00                               | 7,070.26            | 7,106.74            | 7,093.26            | 107.83          | 246.37      | -89.97                | 28.44                             | -4,372.24  | 2,060.92             | 1,777.49              | 283.43                  | 7.271                     |                    |         |
| 10,600.00                               | 7,070.27            | 7,106.73            | 7,093.27            | 110.53          | 246.37      | -89.98                | 28.44                             | -4,372.24  | 1,962.91             | 1,678.61              | 284.30                  | 6.904                     |                    |         |
| 10,700.00                               | 7,070.28            | 7,106.72            | 7,093.28            | 113.24          | 246.37      | -89.98                | 28.44                             | -4,372.24  | 1,865.11             | 1,579.80              | 285.32                  | 6.537                     |                    |         |
| 10,800.00                               | 7,070.28            | 7,106.72            | 7,093.28            | 115.96          | 246.37      | -89.98                | 28.44                             | -4,372.24  | 1,767.56             | 1,481.06              | 286.50                  | 6.170                     |                    |         |
| 10,900.00                               | 7,070.29            | 7,106.71            | 7,093.29            | 118.69          | 246.37      | -89.98                | 28.44                             | -4,372.24  | 1,670.30             | 1,382.42              | 287.88                  | 5.802                     |                    |         |
| 11,000.00                               | 7,070.30            | 7,106.70            | 7,093.30            | 121.42          | 246.37      | -89.98                | 28.44                             | -4,372.24  | 1,573.38             | 1,283.89              | 289.50                  | 5.435                     |                    |         |
| 11,100.00                               | 7,070.31            | 7,106.69            | 7,093.31            | 124.16          | 246.37      | -89.98                | 28.44                             | -4,372.24  | 1,476.88             | 1,185.47              | 291.40                  | 5.068                     |                    |         |
| 11,200.00                               | 7,070.32            | 7,106.68            | 7,093.32            | 126.90          | 246.37      | -89.98                | 28.44                             | -4,372.24  | 1,380.87             | 1,087.20              | 293.66                  | 4.702                     |                    |         |
| 11,300.00                               | 7,070.33            | 7,106.67            | 7,093.33            | 129.65          | 246.37      | -89.98                | 28.44                             | -4,372.24  | 1,285.47             | 989.12                | 296.35                  | 4.338                     |                    |         |
| 11,400.00                               | 7,070.34            | 7,106.66            | 7,093.34            | 132.40          | 246.37      | -89.99                | 28.44                             | -4,372.24  | 1,190.82             | 891.26                | 299.56                  | 3.975                     |                    |         |
| 11,500.00                               | 7,070.35            | 7,106.65            | 7,093.35            | 135.16          | 246.37      | -89.99                | 28.44                             | -4,372.24  | 1,097.12             | 793.69                | 303.43                  | 3.616                     |                    |         |
| 11,600.00                               | 7,070.36            | 7,106.64            | 7,093.36            | 137.92          | 246.37      | -89.99                | 28.44                             | -4,372.24  | 1,004.64             | 696.52                | 308.12                  | 3.261                     |                    |         |
| 11,700.00                               | 7,070.36            | 7,106.64            | 7,093.36            | 140.69          | 246.37      | -89.99                | 28.44                             | -4,372.24  | 913.75               | 599.92                | 313.83                  | 2.912                     |                    |         |
| 11,800.00                               | 7,070.37            | 7,106.63            | 7,093.37            | 143.46          | 246.37      | -89.99                | 28.44                             | -4,372.24  | 824.96               | 504.13                | 320.83                  | 2.571                     |                    |         |
| 11,900.00                               | 7,070.38            | 7,106.62            | 7,093.38            | 146.23          | 246.37      | -89.99                | 28.44                             | -4,372.24  | 739.05               | 409.60                | 329.45                  | 2.243                     |                    |         |
| 12,000.00                               | 7,070.39            | 7,106.61            | 7,093.39            | 149.01          | 246.37      | -89.99                | 28.44                             | -4,372.24  | 657.13               | 317.08                | 340.05                  | 1.932                     |                    |         |
| 12,100.00                               | 7,070.40            | 7,106.60            | 7,093.40            | 151.79          | 246.37      | -89.99                | 28.44                             | -4,372.24  | 580.90               | 227.98                | 352.93                  | 1.646                     |                    |         |
| 12,200.00                               | 7,070.41            | 7,106.59            | 7,093.41            | 154.57          | 246.37      | -90.00                | 28.44                             | -4,372.24  | 512.91               | 144.84                | 368.07                  | 1.393 Level 3             |                    |         |
| 12,300.00                               | 7,070.42            | 7,106.58            | 7,093.42            | 157.35          | 246.37      | -90.00                | 28.44                             | -4,372.24  | 456.84               | 72.29                 | 384.55                  | 1.188 Level 2             |                    |         |
| 12,400.00                               | 7,070.43            | 7,106.57            | 7,093.43            | 160.14          | 246.37      | -90.00                | 28.44                             | -4,372.24  | 417.53               | 17.86                 | 399.67                  | 1.045 Level 2             |                    |         |
| 12,500.00                               | 7,070.44            | 7,106.56            | 7,093.44            | 162.93          | 246.37      | -90.00                | 28.44                             | -4,372.24  | 399.95               | -9.08                 | 409.03                  | 0.978 Level 1             |                    |         |
| 12,521.86                               | 7,070.44            | 7,106.56            | 7,093.44            | 163.54          | 246.37      | -90.00                | 28.44                             | -4,372.24  | 399.36               | -10.55                | 409.91                  | 0.974 Level 1, CC, ES, SF |                    |         |
| 12,600.00                               | 7,070.44            | 7,106.56            | 7,093.44            | 165.72          | 246.37      | -90.00                | 28.44                             | -4,372.24  | 406.93               | -2.30                 | 409.23                  | 0.994 Level 1             |                    |         |
| 12,700.00                               | 7,070.45            | 7,106.55            | 7,093.45            | 168.52          | 246.37      | -90.00                | 28.44                             | -4,372.24  | 437.29               | 36.24                 | 401.05                  | 1.090 Level 2             |                    |         |
| 12,800.00                               | 7,070.46            | 7,106.54            | 7,093.46            | 171.32          | 246.37      | -90.00                | 28.44                             | -4,372.24  | 486.67               | 98.20                 | 388.47                  | 1.253 Level 3             |                    |         |
| 12,900.00                               | 7,070.47            | 7,106.53            | 7,093.47            | 174.11          | 246.37      | -90.00                | 28.44                             | -4,372.24  | 549.98               | 174.85                | 375.13                  | 1.466 Level 3             |                    |         |
| 13,000.00                               | 7,070.48            | 7,106.52            | 7,093.48            | 176.92          | 246.37      | -90.01                | 28.44                             | -4,372.24  | 622.98               | 260.07                | 362.92                  | 1.717                     |                    |         |
| 13,100.00                               | 7,070.49            | 7,106.51            | 7,093.49            | 179.72          | 246.37      | -90.01                | 28.44                             | -4,372.24  | 702.66               | 350.24                | 352.42                  | 1.994                     |                    |         |
| 13,200.00                               | 7,070.50            | 7,106.50            | 7,093.50            | 182.52          | 246.36      | -90.01                | 28.44                             | -4,372.24  | 787.00               | 443.35                | 343.64                  | 2.290                     |                    |         |
| 13,300.00                               | 7,070.51            | 7,106.49            | 7,093.51            | 185.33          | 246.36      | -90.01                | 28.44                             | -4,372.24  | 874.64               | 538.30                | 336.34                  | 2.600                     |                    |         |
| 13,400.00                               | 7,070.52            | 7,106.48            | 7,093.52            | 188.14          | 246.36      | -90.01                | 28.44                             | -4,372.24  | 964.69               | 634.42                | 330.27                  | 2.921                     |                    |         |
| 13,500.00                               | 7,070.52            | 7,106.48            | 7,093.52            | 190.95          | 246.36      | -90.01                | 28.44                             | -4,372.24  | 1,056.53             | 731.34                | 325.19                  | 3.249                     |                    |         |
| 13,600.00                               | 7,070.53            | 7,106.47            | 7,093.53            | 193.76          | 246.36      | -90.01                | 28.44                             | -4,372.24  | 1,149.73             | 828.82                | 320.91                  | 3.583                     |                    |         |
| 13,700.00                               | 7,070.54            | 7,106.46            | 7,093.54            | 196.57          | 246.36      | -90.02                | 28.44                             | -4,372.24  | 1,243.99             | 926.70                | 317.29                  | 3.921                     |                    |         |
| 13,800.00                               | 7,070.55            | 7,106.45            | 7,093.55            | 199.38          | 246.36      | -90.02                | 28.44                             | -4,372.24  | 1,339.08             | 1,024.90              | 314.18                  | 4.262                     |                    |         |
| 13,900.00                               | 7,070.56            | 7,106.44            | 7,093.56            | 202.20          | 246.36      | -90.02                | 28.44                             | -4,372.24  | 1,434.84             | 1,123.32              | 311.52                  | 4.606                     |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,106.43            | 7,093.57            | 205.01          | 246.36      | -90.02                | 28.44                             | -4,372.24  | 1,531.14             | 1,221.94              | 309.20                  | 4.952             |                    |         |
| 14,100.00                               | 7,070.58            | 7,106.42            | 7,093.58            | 207.83          | 246.36      | -90.02                | 28.44                             | -4,372.24  | 1,627.89             | 1,320.70              | 307.19                  | 5.299             |                    |         |
| 14,200.00                               | 7,070.59            | 7,106.41            | 7,093.59            | 210.65          | 246.36      | -90.02                | 28.44                             | -4,372.24  | 1,725.01             | 1,419.58              | 305.42                  | 5.648             |                    |         |
| 14,300.00                               | 7,070.60            | 7,106.40            | 7,093.60            | 213.47          | 246.36      | -90.02                | 28.44                             | -4,372.24  | 1,822.44             | 1,518.57              | 303.87                  | 5.997             |                    |         |
| 14,400.00                               | 7,070.60            | 7,106.40            | 7,093.60            | 216.29          | 246.36      | -90.02                | 28.44                             | -4,372.24  | 1,920.13             | 1,617.64              | 302.49                  | 6.348             |                    |         |
| 14,500.00                               | 7,070.61            | 7,106.39            | 7,093.61            | 219.11          | 246.36      | -90.03                | 28.44                             | -4,372.24  | 2,018.05             | 1,716.78              | 301.27                  | 6.698             |                    |         |
| 14,600.00                               | 7,070.62            | 7,106.38            | 7,093.62            | 221.94          | 246.36      | -90.03                | 28.44                             | -4,372.24  | 2,116.17             | 1,815.99              | 300.18                  | 7.050             |                    |         |
| 14,700.00                               | 7,070.63            | 7,106.37            | 7,093.63            | 224.76          | 246.36      | -90.03                | 28.44                             | -4,372.24  | 2,214.45             | 1,915.25              | 299.20                  | 7.401             |                    |         |
| 14,800.00                               | 7,070.64            | 7,106.36            | 7,093.64            | 227.58          | 246.36      | -90.03                | 28.44                             | -4,372.24  | 2,312.88             | 2,014.56              | 298.32                  | 7.753             |                    |         |
| 14,900.00                               | 7,070.65            | 7,106.35            | 7,093.65            | 230.41          | 246.36      | -90.03                | 28.44                             | -4,372.24  | 2,411.44             | 2,113.91              | 297.53                  | 8.105             |                    |         |
| 15,000.00                               | 7,070.66            | 7,106.34            | 7,093.66            | 233.24          | 246.36      | -90.03                | 28.44                             | -4,372.24  | 2,510.12             | 2,213.30              | 296.82                  | 8.457             |                    |         |
| 15,100.00                               | 7,070.67            | 7,106.33            | 7,093.67            | 236.06          | 246.36      | -90.03                | 28.44                             | -4,372.24  | 2,608.89             | 2,312.72              | 296.17                  | 8.809             |                    |         |
| 15,200.00                               | 7,070.68            | 7,106.32            | 7,093.68            | 238.89          | 246.36      | -90.03                | 28.44                             | -4,372.24  | 2,707.75             | 2,412.17              | 295.58                  | 9.161             |                    |         |
| 15,300.00                               | 7,070.68            | 7,106.32            | 7,093.68            | 241.72          | 246.36      | -90.04                | 28.44                             | -4,372.24  | 2,806.70             | 2,511.65              | 295.05                  | 9.513             |                    |         |
| 15,400.00                               | 7,070.69            | 7,106.31            | 7,093.69            | 244.55          | 246.36      | -90.04                | 28.44                             | -4,372.24  | 2,905.72             | 2,611.15              | 294.56                  | 9.864             |                    |         |
| 15,500.00                               | 7,070.70            | 7,106.30            | 7,093.70            | 247.38          | 246.36      | -90.04                | 28.44                             | -4,372.24  | 3,004.80             | 2,710.68              | 294.12                  | 10.216            |                    |         |
| 15,600.00                               | 7,070.71            | 7,106.29            | 7,093.71            | 250.21          | 246.36      | -90.04                | 28.44                             | -4,372.24  | 3,103.94             | 2,810.23              | 293.72                  | 10.568            |                    |         |
| 15,700.00                               | 7,070.72            | 7,106.28            | 7,093.72            | 253.04          | 246.36      | -90.04                | 28.44                             | -4,372.24  | 3,203.14             | 2,909.79              | 293.35                  | 10.919            |                    |         |
| 15,800.00                               | 7,070.73            | 7,106.27            | 7,093.73            | 255.87          | 246.36      | -90.04                | 28.44                             | -4,372.24  | 3,302.38             | 3,009.37              | 293.01                  | 11.271            |                    |         |
| 15,900.00                               | 7,070.74            | 7,106.26            | 7,093.74            | 258.71          | 246.36      | -90.04                | 28.44                             | -4,372.24  | 3,401.67             | 3,108.97              | 292.70                  | 11.622            |                    |         |
| 16,000.00                               | 7,070.75            | 7,106.25            | 7,093.75            | 261.54          | 246.36      | -90.04                | 28.44                             | -4,372.24  | 3,500.99             | 3,208.58              | 292.41                  | 11.973            |                    |         |
| 16,100.00                               | 7,070.76            | 7,106.25            | 7,093.76            | 264.37          | 246.36      | -90.05                | 28.44                             | -4,372.24  | 3,600.36             | 3,308.21              | 292.15                  | 12.323            |                    |         |
| 16,200.00                               | 7,070.76            | 7,106.24            | 7,093.76            | 267.21          | 246.36      | -90.05                | 28.44                             | -4,372.24  | 3,699.76             | 3,407.84              | 291.92                  | 12.674            |                    |         |
| 16,300.00                               | 7,070.77            | 7,106.23            | 7,093.77            | 270.04          | 246.36      | -90.05                | 28.44                             | -4,372.24  | 3,799.19             | 3,507.49              | 291.70                  | 13.024            |                    |         |
| 16,400.00                               | 7,070.78            | 7,106.22            | 7,093.78            | 272.88          | 246.35      | -90.05                | 28.44                             | -4,372.24  | 3,898.65             | 3,607.15              | 291.50                  | 13.374            |                    |         |
| 16,500.00                               | 7,070.79            | 7,106.21            | 7,093.79            | 275.71          | 246.35      | -90.05                | 28.44                             | -4,372.24  | 3,998.14             | 3,706.82              | 291.32                  | 13.724            |                    |         |
| 16,600.00                               | 7,070.80            | 7,106.20            | 7,093.80            | 278.55          | 246.35      | -90.05                | 28.44                             | -4,372.24  | 4,097.65             | 3,806.50              | 291.15                  | 14.074            |                    |         |
| 16,700.00                               | 7,070.81            | 7,106.19            | 7,093.81            | 281.39          | 246.35      | -90.05                | 28.44                             | -4,372.24  | 4,197.19             | 3,906.19              | 291.00                  | 14.423            |                    |         |
| 16,800.00                               | 7,070.82            | 7,106.18            | 7,093.82            | 284.22          | 246.35      | -90.05                | 28.44                             | -4,372.24  | 4,296.74             | 4,005.88              | 290.86                  | 14.773            |                    |         |
| 16,900.00                               | 7,070.83            | 7,106.17            | 7,093.83            | 287.06          | 246.35      | -90.06                | 28.44                             | -4,372.24  | 4,396.32             | 4,105.59              | 290.73                  | 15.122            |                    |         |
| 17,000.00                               | 7,070.84            | 7,106.17            | 7,093.84            | 289.90          | 246.35      | -90.06                | 28.44                             | -4,372.24  | 4,495.91             | 4,205.30              | 290.62                  | 15.470            |                    |         |
| 17,100.00                               | 7,070.84            | 7,106.16            | 7,093.84            | 292.74          | 246.35      | -90.06                | 28.44                             | -4,372.24  | 4,595.53             | 4,305.01              | 290.51                  | 15.819            |                    |         |
| 17,200.00                               | 7,070.85            | 7,106.15            | 7,093.85            | 295.58          | 246.35      | -90.06                | 28.44                             | -4,372.24  | 4,695.16             | 4,404.74              | 290.42                  | 16.167            |                    |         |
| 17,300.00                               | 7,070.86            | 7,106.14            | 7,093.86            | 298.42          | 246.35      | -90.06                | 28.44                             | -4,372.24  | 4,794.80             | 4,504.47              | 290.34                  | 16.515            |                    |         |
| 17,400.00                               | 7,070.87            | 7,106.13            | 7,093.87            | 301.26          | 246.35      | -90.06                | 28.44                             | -4,372.24  | 4,894.46             | 4,604.20              | 290.26                  | 16.862            |                    |         |
| 17,500.00                               | 7,070.88            | 7,106.12            | 7,093.88            | 304.10          | 246.35      | -90.06                | 28.44                             | -4,372.24  | 4,994.14             | 4,703.94              | 290.19                  | 17.210            |                    |         |
| 17,600.00                               | 7,070.89            | 7,106.11            | 7,093.89            | 306.94          | 246.35      | -90.06                | 28.44                             | -4,372.24  | 5,093.82             | 4,803.69              | 290.13                  | 17.557            |                    |         |
| 17,700.00                               | 7,070.90            | 7,106.10            | 7,093.90            | 309.78          | 246.35      | -90.07                | 28.44                             | -4,372.24  | 5,193.52             | 4,903.44              | 290.08                  | 17.904            |                    |         |
| 17,800.00                               | 7,070.91            | 7,106.09            | 7,093.91            | 312.62          | 246.35      | -90.07                | 28.44                             | -4,372.24  | 5,293.23             | 5,003.19              | 290.04                  | 18.250            |                    |         |
| 17,900.00                               | 7,070.92            | 7,106.09            | 7,093.92            | 315.46          | 246.35      | -90.07                | 28.44                             | -4,372.24  | 5,392.95             | 5,102.95              | 290.00                  | 18.596            |                    |         |
| 18,000.00                               | 7,070.92            | 7,106.08            | 7,093.92            | 318.31          | 246.35      | -90.07                | 28.44                             | -4,372.24  | 5,492.68             | 5,202.71              | 289.97                  | 18.942            |                    |         |
| 18,100.00                               | 7,070.93            | 7,106.07            | 7,093.93            | 321.15          | 246.35      | -90.07                | 28.44                             | -4,372.24  | 5,592.42             | 5,302.48              | 289.94                  | 19.288            |                    |         |
| 18,200.00                               | 7,070.94            | 7,106.06            | 7,093.94            | 323.99          | 246.35      | -90.07                | 28.44                             | -4,372.24  | 5,692.17             | 5,402.25              | 289.92                  | 19.633            |                    |         |
| 18,300.00                               | 7,070.95            | 7,106.05            | 7,093.95            | 326.83          | 246.35      | -90.07                | 28.44                             | -4,372.24  | 5,791.93             | 5,502.02              | 289.91                  | 19.978            |                    |         |
| 18,400.00                               | 7,070.96            | 7,106.04            | 7,093.96            | 329.68          | 246.35      | -90.07                | 28.44                             | -4,372.24  | 5,891.69             | 5,601.79              | 289.90                  | 20.323            |                    |         |
| 18,500.00                               | 7,070.97            | 7,106.03            | 7,093.97            | 332.52          | 246.35      | -90.08                | 28.44                             | -4,372.24  | 5,991.47             | 5,701.57              | 289.89                  | 20.668            |                    |         |
| 18,600.00                               | 7,070.98            | 7,106.02            | 7,093.98            | 335.36          | 246.35      | -90.08                | 28.44                             | -4,372.24  | 6,091.25             | 5,801.35              | 289.89                  | 21.012            |                    |         |
| 18,700.00                               | 7,070.99            | 7,106.01            | 7,093.99            | 338.21          | 246.35      | -90.08                | 28.44                             | -4,372.24  | 6,191.04             | 5,901.14              | 289.90                  | 21.356            |                    |         |
| 18,800.00                               | 7,070.99            | 7,106.01            | 7,093.99            | 341.05          | 246.35      | -90.08                | 28.44                             | -4,372.24  | 6,290.83             | 6,000.92              | 289.91                  | 21.699            |                    |         |
| 18,858.54                               | 7,071.00            | 7,106.00            | 7,094.00            | 342.72          | 246.35      | -90.08                | 28.44                             | -4,372.24  | 6,349.25             | 6,059.34              | 289.91                  | 21.900            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 32.00               | 32.00               | 3.28            | 3.33        | -93.19                | -499.65                           | -8,978.54  | 8,992.44             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 132.00              | 132.00              | 3.28            | 4.35        | -93.19                | -499.65                           | -8,978.54  | 8,992.44             | 8,984.80              | 7.64                    | 1,177.298         |                    |         |
| 200.00                                  | 200.00              | 232.00              | 232.00              | 3.34            | 7.15        | -93.19                | -499.65                           | -8,978.54  | 8,992.44             | 8,981.95              | 10.49                   | 857.456           |                    |         |
| 300.00                                  | 300.00              | 332.00              | 332.00              | 3.44            | 10.38       | -93.19                | -499.65                           | -8,978.54  | 8,992.44             | 8,978.61              | 13.82                   | 650.609           |                    |         |
| 400.00                                  | 399.98              | 431.98              | 431.98              | 3.60            | 13.73       | -165.68               | -499.65                           | -8,978.54  | 8,994.13             | 8,976.79              | 17.33                   | 518.889           |                    |         |
| 500.00                                  | 499.84              | 531.84              | 531.84              | 3.80            | 17.14       | -165.66               | -499.65                           | -8,978.54  | 8,999.20             | 8,978.26              | 20.94                   | 429.770           |                    |         |
| 600.00                                  | 599.45              | 631.45              | 631.45              | 4.04            | 20.56       | -165.63               | -499.65                           | -8,978.54  | 9,007.64             | 8,983.04              | 24.60                   | 366.098           |                    |         |
| 700.00                                  | 698.70              | 730.70              | 730.70              | 4.32            | 23.99       | -165.59               | -499.65                           | -8,978.54  | 9,019.45             | 8,991.15              | 28.31                   | 318.638           |                    |         |
| 800.00                                  | 797.47              | 829.47              | 829.47              | 4.63            | 27.41       | -165.54               | -499.65                           | -8,978.54  | 9,034.61             | 9,002.58              | 32.03                   | 282.069           |                    |         |
| 900.00                                  | 895.62              | 927.62              | 927.62              | 4.97            | 30.81       | -165.48               | -499.65                           | -8,978.54  | 9,053.11             | 9,017.34              | 35.76                   | 253.139           |                    |         |
| 924.00                                  | 919.08              | 951.08              | 951.08              | 5.06            | 31.63       | -165.46               | -499.65                           | -8,978.54  | 9,058.04             | 9,021.38              | 36.66                   | 247.056           |                    |         |
| 1,000.00                                | 993.28              | 1,025.28            | 1,025.28            | 5.34            | 34.20       | -165.49               | -499.65                           | -8,978.54  | 9,073.96             | 9,034.46              | 39.50                   | 229.706           |                    |         |
| 1,100.00                                | 1,090.92            | 1,122.92            | 1,122.92            | 5.73            | 37.60       | -165.52               | -499.65                           | -8,978.54  | 9,094.91             | 9,051.66              | 43.25                   | 210.267           |                    |         |
| 1,200.00                                | 1,188.56            | 1,220.56            | 1,220.56            | 6.15            | 41.00       | -165.56               | -499.65                           | -8,978.54  | 9,115.87             | 9,068.85              | 47.02                   | 193.858           |                    |         |
| 1,300.00                                | 1,286.19            | 1,318.19            | 1,318.19            | 6.57            | 44.39       | -165.59               | -499.65                           | -8,978.54  | 9,136.83             | 9,086.02              | 50.81                   | 179.835           |                    |         |
| 1,400.00                                | 1,383.83            | 1,415.83            | 1,415.83            | 7.01            | 47.79       | -165.62               | -499.65                           | -8,978.54  | 9,157.79             | 9,103.19              | 54.60                   | 167.720           |                    |         |
| 1,500.00                                | 1,481.47            | 1,513.47            | 1,513.47            | 7.46            | 51.19       | -165.66               | -499.65                           | -8,978.54  | 9,178.76             | 9,120.35              | 58.41                   | 157.152           |                    |         |
| 1,600.00                                | 1,579.10            | 1,611.10            | 1,611.10            | 7.91            | 54.60       | -165.69               | -499.65                           | -8,978.54  | 9,199.72             | 9,137.50              | 62.22                   | 147.859           |                    |         |
| 1,700.00                                | 1,676.74            | 1,708.74            | 1,708.74            | 8.37            | 58.00       | -165.72               | -499.65                           | -8,978.54  | 9,220.69             | 9,154.65              | 66.04                   | 139.624           |                    |         |
| 1,800.00                                | 1,774.38            | 1,806.38            | 1,806.38            | 8.84            | 61.40       | -165.76               | -499.65                           | -8,978.54  | 9,241.67             | 9,171.80              | 69.87                   | 132.278           |                    |         |
| 1,900.00                                | 1,872.02            | 1,904.02            | 1,904.02            | 9.31            | 64.81       | -165.79               | -499.65                           | -8,978.54  | 9,262.64             | 9,188.95              | 73.70                   | 125.687           |                    |         |
| 2,000.00                                | 1,969.65            | 2,001.65            | 2,001.65            | 9.79            | 68.21       | -165.82               | -499.65                           | -8,978.54  | 9,283.62             | 9,206.09              | 77.53                   | 119.740           |                    |         |
| 2,100.00                                | 2,067.29            | 2,100.71            | 2,099.29            | 10.27           | 71.67       | -165.85               | -499.65                           | -8,978.54  | 9,304.61             | 9,223.19              | 81.42                   | 114.280           |                    |         |
| 2,200.00                                | 2,164.93            | 2,203.07            | 2,196.93            | 10.75           | 75.24       | -165.89               | -499.65                           | -8,978.54  | 9,325.59             | 9,240.17              | 85.43                   | 109.165           |                    |         |
| 2,300.00                                | 2,262.56            | 2,305.44            | 2,294.56            | 11.24           | 78.81       | -165.92               | -499.65                           | -8,978.54  | 9,346.58             | 9,257.14              | 89.44                   | 104.506           |                    |         |
| 2,400.00                                | 2,360.20            | 2,407.80            | 2,392.20            | 11.73           | 82.38       | -165.95               | -499.65                           | -8,978.54  | 9,367.57             | 9,274.12              | 93.45                   | 100.243           |                    |         |
| 2,500.00                                | 2,457.84            | 2,489.84            | 2,489.84            | 12.22           | 85.24       | -165.98               | -499.65                           | -8,978.54  | 9,388.56             | 9,291.81              | 96.75                   | 97.035            |                    |         |
| 2,600.00                                | 2,555.48            | 2,587.48            | 2,587.48            | 12.71           | 88.64       | -166.01               | -499.65                           | -8,978.54  | 9,409.56             | 9,308.96              | 100.61                  | 93.529            |                    |         |
| 2,700.00                                | 2,653.11            | 2,685.11            | 2,685.11            | 13.20           | 92.05       | -166.05               | -499.65                           | -8,978.54  | 9,430.56             | 9,326.10              | 104.46                  | 90.280            |                    |         |
| 2,800.00                                | 2,750.75            | 2,782.75            | 2,782.75            | 13.70           | 95.46       | -166.08               | -499.65                           | -8,978.54  | 9,451.56             | 9,343.25              | 108.31                  | 87.261            |                    |         |
| 2,900.00                                | 2,848.39            | 2,880.39            | 2,880.39            | 14.19           | 98.86       | -166.11               | -499.65                           | -8,978.54  | 9,472.57             | 9,360.40              | 112.17                  | 84.448            |                    |         |
| 3,000.00                                | 2,946.02            | 2,978.02            | 2,978.02            | 14.69           | 102.27      | -166.14               | -499.65                           | -8,978.54  | 9,493.57             | 9,377.55              | 116.03                  | 81.822            |                    |         |
| 3,100.00                                | 3,043.66            | 3,075.66            | 3,075.66            | 15.19           | 105.68      | -166.17               | -499.65                           | -8,978.54  | 9,514.59             | 9,394.70              | 119.89                  | 79.363            |                    |         |
| 3,200.00                                | 3,141.30            | 3,173.30            | 3,173.30            | 15.69           | 109.08      | -166.20               | -499.65                           | -8,978.54  | 9,535.60             | 9,411.85              | 123.75                  | 77.058            |                    |         |
| 3,300.00                                | 3,238.94            | 3,270.94            | 3,270.94            | 16.19           | 112.49      | -166.23               | -499.65                           | -8,978.54  | 9,556.61             | 9,429.01              | 127.61                  | 74.891            |                    |         |
| 3,400.00                                | 3,336.57            | 3,368.57            | 3,368.57            | 16.69           | 115.90      | -166.26               | -499.65                           | -8,978.54  | 9,577.63             | 9,446.16              | 131.47                  | 72.851            |                    |         |
| 3,500.00                                | 3,434.21            | 3,466.21            | 3,466.21            | 17.19           | 119.31      | -166.29               | -499.65                           | -8,978.54  | 9,598.65             | 9,463.32              | 135.33                  | 70.927            |                    |         |
| 3,600.00                                | 3,531.85            | 3,563.85            | 3,563.85            | 17.69           | 122.71      | -166.33               | -499.65                           | -8,978.54  | 9,619.68             | 9,480.48              | 139.19                  | 69.110            |                    |         |
| 3,700.00                                | 3,629.48            | 3,661.48            | 3,661.48            | 18.20           | 126.12      | -166.36               | -499.65                           | -8,978.54  | 9,640.70             | 9,497.64              | 143.06                  | 67.390            |                    |         |
| 3,800.00                                | 3,727.12            | 3,759.12            | 3,759.12            | 18.70           | 129.53      | -166.39               | -499.65                           | -8,978.54  | 9,661.73             | 9,514.81              | 146.92                  | 65.761            |                    |         |
| 3,900.00                                | 3,824.76            | 3,856.76            | 3,856.76            | 19.21           | 132.93      | -166.42               | -499.65                           | -8,978.54  | 9,682.76             | 9,531.98              | 150.79                  | 64.215            |                    |         |
| 4,000.00                                | 3,922.40            | 3,954.40            | 3,954.40            | 19.71           | 136.34      | -166.45               | -499.65                           | -8,978.54  | 9,703.80             | 9,549.14              | 154.65                  | 62.746            |                    |         |
| 4,100.00                                | 4,020.03            | 4,052.03            | 4,052.03            | 20.21           | 139.75      | -166.48               | -499.65                           | -8,978.54  | 9,724.83             | 9,566.31              | 158.52                  | 61.348            |                    |         |
| 4,200.00                                | 4,117.67            | 4,149.67            | 4,149.67            | 20.72           | 143.16      | -166.51               | -499.65                           | -8,978.54  | 9,745.87             | 9,583.49              | 162.38                  | 60.017            |                    |         |
| 4,300.00                                | 4,215.31            | 4,247.31            | 4,247.31            | 21.23           | 146.57      | -166.53               | -499.65                           | -8,978.54  | 9,766.91             | 9,600.66              | 166.25                  | 58.748            |                    |         |
| 4,400.00                                | 4,312.94            | 4,344.94            | 4,344.94            | 21.73           | 149.97      | -166.56               | -499.65                           | -8,978.54  | 9,787.96             | 9,617.84              | 170.12                  | 57.536            |                    |         |
| 4,500.00                                | 4,410.58            | 4,442.58            | 4,442.58            | 22.24           | 153.38      | -166.59               | -499.65                           | -8,978.54  | 9,809.00             | 9,635.02              | 173.99                  | 56.378            |                    |         |
| 4,600.00                                | 4,508.22            | 4,540.22            | 4,540.22            | 22.75           | 156.79      | -166.62               | -499.65                           | -8,978.54  | 9,830.05             | 9,652.20              | 177.85                  | 55.270            |                    |         |
| 4,700.00                                | 4,605.86            | 4,637.86            | 4,637.86            | 23.25           | 160.20      | -166.65               | -499.65                           | -8,978.54  | 9,851.10             | 9,669.38              | 181.72                  | 54.210            |                    |         |
| 4,800.00                                | 4,703.49            | 4,735.49            | 4,735.49            | 23.76           | 163.60      | -166.68               | -499.65                           | -8,978.54  | 9,872.16             | 9,686.56              | 185.59                  | 53.193            |                    |         |
| 4,900.00                                | 4,801.13            | 4,833.13            | 4,833.13            | 24.27           | 167.01      | -166.71               | -499.65                           | -8,978.54  | 9,893.21             | 9,703.75              | 189.46                  | 52.218            |                    |         |
| 5,000.00                                | 4,898.77            | 4,930.77            | 4,930.77            | 24.77           | 170.42      | -166.74               | -499.65                           | -8,978.54  | 9,914.27             | 9,720.94              | 193.33                  | 51.282            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,028.40            | 5,028.40            | 25.28           | 173.83      | -166.77               | -499.65                           | -8,978.54  | 9,935.33             | 9,738.13              | 197.20                  | 50.383            |                    |         |
| 5,200.00                                | 5,094.04            | 5,126.04            | 5,126.04            | 25.79           | 177.24      | -166.79               | -499.65                           | -8,978.54  | 9,956.39             | 9,755.33              | 201.07                  | 49.518            |                    |         |
| 5,300.00                                | 5,191.68            | 5,223.68            | 5,223.68            | 26.30           | 180.64      | -166.82               | -499.65                           | -8,978.54  | 9,977.46             | 9,772.52              | 204.94                  | 48.685            |                    |         |
| 5,400.00                                | 5,289.32            | 5,321.32            | 5,321.32            | 26.81           | 184.05      | -166.85               | -499.65                           | -8,978.54  | 9,998.53             | 9,789.72              | 208.81                  | 47.884            |                    |         |
| 7,150.00                                | 6,935.93            | 6,967.93            | 6,967.93            | 35.44           | 241.53      | -13.26                | -499.65                           | -8,978.54  | 9,990.44             | 9,717.72              | 272.72                  | 36.632            |                    |         |
| 7,200.00                                | 6,965.01            | 7,002.99            | 6,997.01            | 35.83           | 242.75      | -14.01                | -499.65                           | -8,978.54  | 9,950.18             | 9,676.23              | 273.95                  | 36.321            |                    |         |
| 7,250.00                                | 6,990.82            | 7,022.82            | 7,022.82            | 36.26           | 243.44      | -15.13                | -499.65                           | -8,978.54  | 9,907.75             | 9,633.11              | 274.64                  | 36.076            |                    |         |
| 7,300.00                                | 7,013.20            | 7,045.20            | 7,045.20            | 36.72           | 244.23      | -16.78                | -499.65                           | -8,978.54  | 9,863.41             | 9,588.00              | 275.41                  | 35.814            |                    |         |
| 7,350.00                                | 7,032.02            | 7,064.02            | 7,064.02            | 37.23           | 244.88      | -19.26                | -499.65                           | -8,978.54  | 9,817.43             | 9,541.38              | 276.05                  | 35.563            |                    |         |
| 7,400.00                                | 7,047.15            | 7,079.15            | 7,079.15            | 37.77           | 245.41      | -23.17                | -499.65                           | -8,978.54  | 9,770.11             | 9,493.54              | 276.57                  | 35.326            |                    |         |
| 7,450.00                                | 7,058.51            | 7,109.49            | 7,090.51            | 38.34           | 246.47      | -29.88                | -499.65                           | -8,978.54  | 9,721.73             | 9,444.11              | 277.62                  | 35.018            |                    |         |
| 7,500.00                                | 7,066.02            | 7,101.98            | 7,098.02            | 38.95           | 246.21      | -42.93                | -499.65                           | -8,978.54  | 9,672.59             | 9,395.24              | 277.35                  | 34.875            |                    |         |
| 7,550.00                                | 7,069.64            | 7,101.64            | 7,101.64            | 39.58           | 246.20      | -71.39                | -499.65                           | -8,978.54  | 9,622.98             | 9,345.65              | 277.34                  | 34.698            |                    |         |
| 7,571.20                                | 7,070.00            | 7,102.00            | 7,102.00            | 39.85           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 9,601.89             | 9,324.54              | 277.35                  | 34.620            |                    |         |
| 7,600.00                                | 7,070.00            | 7,102.00            | 7,102.00            | 40.23           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 9,573.22             | 9,295.87              | 277.36                  | 34.516            |                    |         |
| 7,700.00                                | 7,070.01            | 7,102.01            | 7,102.01            | 41.64           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 9,473.70             | 9,196.33              | 277.37                  | 34.155            |                    |         |
| 7,800.00                                | 7,070.02            | 7,102.02            | 7,102.02            | 43.20           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 9,374.18             | 9,096.79              | 277.39                  | 33.794            |                    |         |
| 7,900.00                                | 7,070.03            | 7,102.03            | 7,102.03            | 44.89           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 9,274.67             | 8,997.26              | 277.41                  | 33.433            |                    |         |
| 8,000.00                                | 7,070.04            | 7,102.04            | 7,102.04            | 46.69           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 9,175.18             | 8,897.74              | 277.44                  | 33.070            |                    |         |
| 8,100.00                                | 7,070.05            | 7,102.05            | 7,102.05            | 48.60           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 9,075.70             | 8,798.22              | 277.48                  | 32.708            |                    |         |
| 8,200.00                                | 7,070.05            | 7,102.05            | 7,102.05            | 50.59           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 8,976.22             | 8,698.71              | 277.52                  | 32.345            |                    |         |
| 8,300.00                                | 7,070.06            | 7,102.06            | 7,102.06            | 52.66           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 8,876.76             | 8,599.20              | 277.56                  | 31.981            |                    |         |
| 8,400.00                                | 7,070.07            | 7,102.07            | 7,102.07            | 54.81           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 8,777.31             | 8,499.70              | 277.61                  | 31.617            |                    |         |
| 8,500.00                                | 7,070.08            | 7,102.08            | 7,102.08            | 57.02           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 8,677.88             | 8,400.21              | 277.67                  | 31.253            |                    |         |
| 8,600.00                                | 7,070.09            | 7,102.09            | 7,102.09            | 59.28           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 8,578.46             | 8,300.72              | 277.73                  | 30.888            |                    |         |
| 8,700.00                                | 7,070.10            | 7,102.10            | 7,102.10            | 61.60           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 8,479.05             | 8,201.24              | 277.80                  | 30.522            |                    |         |
| 8,800.00                                | 7,070.11            | 7,102.11            | 7,102.11            | 63.95           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 8,379.65             | 8,101.77              | 277.88                  | 30.156            |                    |         |
| 8,900.00                                | 7,070.12            | 7,102.12            | 7,102.12            | 66.35           | 246.21      | -89.95                | -499.65                           | -8,978.54  | 8,280.27             | 8,002.31              | 277.96                  | 29.789            |                    |         |
| 9,000.00                                | 7,070.13            | 7,102.13            | 7,102.13            | 68.79           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 8,180.91             | 7,902.85              | 278.05                  | 29.422            |                    |         |
| 9,100.00                                | 7,070.13            | 7,102.13            | 7,102.13            | 71.25           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 8,081.56             | 7,803.40              | 278.15                  | 29.054            |                    |         |
| 9,200.00                                | 7,070.14            | 7,102.14            | 7,102.14            | 73.74           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 7,982.22             | 7,703.96              | 278.26                  | 28.686            |                    |         |
| 9,300.00                                | 7,070.15            | 7,102.15            | 7,102.15            | 76.26           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 7,882.91             | 7,604.53              | 278.38                  | 28.317            |                    |         |
| 9,400.00                                | 7,070.16            | 7,102.16            | 7,102.16            | 78.80           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 7,783.61             | 7,505.11              | 278.50                  | 27.948            |                    |         |
| 9,500.00                                | 7,070.17            | 7,102.17            | 7,102.17            | 81.37           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 7,684.33             | 7,405.69              | 278.64                  | 27.578            |                    |         |
| 9,600.00                                | 7,070.18            | 7,102.18            | 7,102.18            | 83.95           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 7,585.07             | 7,306.28              | 278.78                  | 27.208            |                    |         |
| 9,700.00                                | 7,070.19            | 7,102.19            | 7,102.19            | 86.55           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 7,485.82             | 7,206.89              | 278.94                  | 26.837            |                    |         |
| 9,800.00                                | 7,070.20            | 7,102.20            | 7,102.20            | 89.17           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 7,386.60             | 7,107.50              | 279.10                  | 26.465            |                    |         |
| 9,900.00                                | 7,070.21            | 7,102.21            | 7,102.21            | 91.80           | 246.21      | -89.96                | -499.65                           | -8,978.54  | 7,287.40             | 7,008.12              | 279.28                  | 26.093            |                    |         |
| 10,000.00                               | 7,070.21            | 7,102.21            | 7,102.21            | 94.44           | 246.22      | -89.96                | -499.65                           | -8,978.54  | 7,188.22             | 6,908.75              | 279.47                  | 25.721            |                    |         |
| 10,100.00                               | 7,070.22            | 7,102.22            | 7,102.22            | 97.10           | 246.22      | -89.96                | -499.65                           | -8,978.54  | 7,089.07             | 6,809.39              | 279.68                  | 25.347            |                    |         |
| 10,200.00                               | 7,070.23            | 7,102.23            | 7,102.23            | 99.77           | 246.22      | -89.96                | -499.65                           | -8,978.54  | 6,989.94             | 6,710.04              | 279.90                  | 24.973            |                    |         |
| 10,300.00                               | 7,070.24            | 7,102.24            | 7,102.24            | 102.44          | 246.22      | -89.96                | -499.65                           | -8,978.54  | 6,890.83             | 6,610.70              | 280.13                  | 24.599            |                    |         |
| 10,400.00                               | 7,070.25            | 7,102.25            | 7,102.25            | 105.13          | 246.22      | -89.96                | -499.65                           | -8,978.54  | 6,791.75             | 6,511.38              | 280.37                  | 24.224            |                    |         |
| 10,500.00                               | 7,070.26            | 7,102.26            | 7,102.26            | 107.83          | 246.22      | -89.96                | -499.65                           | -8,978.54  | 6,692.70             | 6,412.06              | 280.64                  | 23.848            |                    |         |
| 10,600.00                               | 7,070.27            | 7,102.27            | 7,102.27            | 110.53          | 246.22      | -89.96                | -499.65                           | -8,978.54  | 6,593.67             | 6,312.76              | 280.91                  | 23.472            |                    |         |
| 10,700.00                               | 7,070.28            | 7,102.28            | 7,102.28            | 113.24          | 246.22      | -89.96                | -499.65                           | -8,978.54  | 6,494.68             | 6,213.47              | 281.21                  | 23.095            |                    |         |
| 10,800.00                               | 7,070.28            | 7,102.28            | 7,102.28            | 115.96          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 6,395.72             | 6,114.19              | 281.53                  | 22.718            |                    |         |
| 10,900.00                               | 7,070.29            | 7,102.29            | 7,102.29            | 118.69          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 6,296.79             | 6,014.93              | 281.86                  | 22.340            |                    |         |
| 11,000.00                               | 7,070.30            | 7,102.30            | 7,102.30            | 121.42          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 6,197.89             | 5,915.68              | 282.22                  | 21.962            |                    |         |
| 11,100.00                               | 7,070.31            | 7,102.31            | 7,102.31            | 124.16          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 6,099.03             | 5,816.44              | 282.59                  | 21.582            |                    |         |
| 11,200.00                               | 7,070.32            | 7,102.32            | 7,102.32            | 126.90          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 6,000.21             | 5,717.22              | 282.99                  | 21.203            |                    |         |
| 11,300.00                               | 7,070.33            | 7,102.33            | 7,102.33            | 129.65          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,901.43             | 5,618.01              | 283.42                  | 20.823            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2° Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 11,400.00                               | 7,070.34            | 7,102.34            | 7,102.34            | 132.40          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,802.69             | 5,518.82              | 283.86                  | 20.442            |                    |         |
| 11,500.00                               | 7,070.35            | 7,102.35            | 7,102.35            | 135.16          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,703.99             | 5,419.65              | 284.34                  | 20.060            |                    |         |
| 11,600.00                               | 7,070.36            | 7,102.36            | 7,102.36            | 137.92          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,605.34             | 5,320.50              | 284.84                  | 19.679            |                    |         |
| 11,700.00                               | 7,070.36            | 7,102.36            | 7,102.36            | 140.69          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,506.74             | 5,221.36              | 285.38                  | 19.296            |                    |         |
| 11,800.00                               | 7,070.37            | 7,102.37            | 7,102.37            | 143.46          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,408.19             | 5,122.24              | 285.94                  | 18.913            |                    |         |
| 11,900.00                               | 7,070.38            | 7,102.38            | 7,102.38            | 146.23          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,309.69             | 5,023.15              | 286.54                  | 18.530            |                    |         |
| 12,000.00                               | 7,070.39            | 7,102.39            | 7,102.39            | 149.01          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,211.25             | 4,924.08              | 287.18                  | 18.146            |                    |         |
| 12,100.00                               | 7,070.40            | 7,102.40            | 7,102.40            | 151.79          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,112.88             | 4,825.02              | 287.85                  | 17.762            |                    |         |
| 12,200.00                               | 7,070.41            | 7,102.41            | 7,102.41            | 154.57          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 5,014.56             | 4,726.00              | 288.56                  | 17.378            |                    |         |
| 12,300.00                               | 7,070.42            | 7,102.42            | 7,102.42            | 157.35          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 4,916.32             | 4,627.00              | 289.32                  | 16.993            |                    |         |
| 12,400.00                               | 7,070.43            | 7,102.43            | 7,102.43            | 160.14          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 4,818.14             | 4,528.02              | 290.12                  | 16.607            |                    |         |
| 12,500.00                               | 7,070.44            | 7,102.44            | 7,102.44            | 162.93          | 246.22      | -89.97                | -499.65                           | -8,978.54  | 4,720.05             | 4,429.08              | 290.97                  | 16.222            |                    |         |
| 12,600.00                               | 7,070.44            | 7,102.44            | 7,102.44            | 165.72          | 246.22      | -89.98                | -499.65                           | -8,978.54  | 4,622.03             | 4,330.17              | 291.86                  | 15.836            |                    |         |
| 12,700.00                               | 7,070.45            | 7,102.45            | 7,102.45            | 168.52          | 246.22      | -89.98                | -499.65                           | -8,978.54  | 4,524.10             | 4,231.28              | 292.82                  | 15.450            |                    |         |
| 12,800.00                               | 7,070.46            | 7,102.46            | 7,102.46            | 171.32          | 246.22      | -89.98                | -499.65                           | -8,978.54  | 4,426.27             | 4,132.44              | 293.83                  | 15.064            |                    |         |
| 12,900.00                               | 7,070.47            | 7,102.47            | 7,102.47            | 174.11          | 246.22      | -89.98                | -499.65                           | -8,978.54  | 4,328.53             | 4,033.63              | 294.90                  | 14.678            |                    |         |
| 13,000.00                               | 7,070.48            | 7,102.48            | 7,102.48            | 176.92          | 246.22      | -89.98                | -499.65                           | -8,978.54  | 4,230.90             | 3,934.86              | 296.03                  | 14.292            |                    |         |
| 13,100.00                               | 7,070.49            | 7,102.49            | 7,102.49            | 179.72          | 246.22      | -89.98                | -499.65                           | -8,978.54  | 4,133.38             | 3,836.14              | 297.24                  | 13.906            |                    |         |
| 13,200.00                               | 7,070.50            | 7,102.50            | 7,102.50            | 182.52          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 4,035.98             | 3,737.46              | 298.52                  | 13.520            |                    |         |
| 13,300.00                               | 7,070.51            | 7,102.51            | 7,102.51            | 185.33          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,938.72             | 3,638.83              | 299.88                  | 13.134            |                    |         |
| 13,400.00                               | 7,070.52            | 7,102.52            | 7,102.52            | 188.14          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,841.59             | 3,540.26              | 301.33                  | 12.749            |                    |         |
| 13,500.00                               | 7,070.52            | 7,102.52            | 7,102.52            | 190.95          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,744.62             | 3,441.74              | 302.87                  | 12.364            |                    |         |
| 13,600.00                               | 7,070.53            | 7,102.53            | 7,102.53            | 193.76          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,647.80             | 3,343.29              | 304.51                  | 11.979            |                    |         |
| 13,700.00                               | 7,070.54            | 7,102.54            | 7,102.54            | 196.57          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,551.17             | 3,244.91              | 306.26                  | 11.595            |                    |         |
| 13,800.00                               | 7,070.55            | 7,102.55            | 7,102.55            | 199.38          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,454.73             | 3,146.61              | 308.12                  | 11.212            |                    |         |
| 13,900.00                               | 7,070.56            | 7,102.56            | 7,102.56            | 202.20          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,358.49             | 3,048.39              | 310.10                  | 10.830            |                    |         |
| 14,000.00                               | 7,070.57            | 7,102.57            | 7,102.57            | 205.01          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,262.48             | 2,950.27              | 312.22                  | 10.449            |                    |         |
| 14,100.00                               | 7,070.58            | 7,102.58            | 7,102.58            | 207.83          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,166.72             | 2,852.24              | 314.48                  | 10.070            |                    |         |
| 14,200.00                               | 7,070.59            | 7,102.59            | 7,102.59            | 210.65          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 3,071.23             | 2,754.33              | 316.90                  | 9.691             |                    |         |
| 14,300.00                               | 7,070.60            | 7,102.60            | 7,102.60            | 213.47          | 246.23      | -89.98                | -499.65                           | -8,978.54  | 2,976.04             | 2,656.54              | 319.50                  | 9.315             |                    |         |
| 14,400.00                               | 7,070.60            | 7,102.60            | 7,102.60            | 216.29          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,881.17             | 2,558.89              | 322.28                  | 8.940             |                    |         |
| 14,500.00                               | 7,070.61            | 7,102.61            | 7,102.61            | 219.11          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,786.66             | 2,461.40              | 325.26                  | 8.567             |                    |         |
| 14,600.00                               | 7,070.62            | 7,102.62            | 7,102.62            | 221.94          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,692.54             | 2,364.08              | 328.47                  | 8.197             |                    |         |
| 14,700.00                               | 7,070.63            | 7,102.63            | 7,102.63            | 224.76          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,598.87             | 2,266.95              | 331.92                  | 7.830             |                    |         |
| 14,800.00                               | 7,070.64            | 7,102.64            | 7,102.64            | 227.58          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,505.68             | 2,170.05              | 335.63                  | 7.466             |                    |         |
| 14,900.00                               | 7,070.65            | 7,102.65            | 7,102.65            | 230.41          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,413.04             | 2,073.40              | 339.64                  | 7.105             |                    |         |
| 15,000.00                               | 7,070.66            | 7,102.66            | 7,102.66            | 233.24          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,321.02             | 1,977.04              | 343.97                  | 6.748             |                    |         |
| 15,100.00                               | 7,070.67            | 7,102.67            | 7,102.67            | 236.06          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,229.67             | 1,881.01              | 348.66                  | 6.395             |                    |         |
| 15,200.00                               | 7,070.68            | 7,102.68            | 7,102.68            | 238.89          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,139.11             | 1,785.37              | 353.74                  | 6.047             |                    |         |
| 15,300.00                               | 7,070.68            | 7,102.68            | 7,102.68            | 241.72          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 2,049.42             | 1,690.17              | 359.25                  | 5.705             |                    |         |
| 15,400.00                               | 7,070.69            | 7,102.69            | 7,102.69            | 244.55          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 1,960.72             | 1,595.49              | 365.23                  | 5.368             |                    |         |
| 15,500.00                               | 7,070.70            | 7,102.70            | 7,102.70            | 247.38          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 1,873.17             | 1,501.43              | 371.74                  | 5.039             |                    |         |
| 15,600.00                               | 7,070.71            | 7,102.71            | 7,102.71            | 250.21          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 1,786.93             | 1,408.11              | 378.82                  | 4.717             |                    |         |
| 15,700.00                               | 7,070.72            | 7,102.72            | 7,102.72            | 253.04          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 1,702.19             | 1,315.66              | 386.53                  | 4.404             |                    |         |
| 15,800.00                               | 7,070.73            | 7,102.73            | 7,102.73            | 255.87          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 1,619.19             | 1,224.26              | 394.93                  | 4.100             |                    |         |
| 15,900.00                               | 7,070.74            | 7,102.74            | 7,102.74            | 258.71          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 1,538.21             | 1,134.16              | 404.06                  | 3.807             |                    |         |
| 16,000.00                               | 7,070.75            | 7,102.75            | 7,102.75            | 261.54          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 1,459.60             | 1,045.63              | 413.97                  | 3.526             |                    |         |
| 16,100.00                               | 7,070.76            | 7,102.76            | 7,102.76            | 264.37          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 1,383.75             | 959.05                | 424.69                  | 3.258             |                    |         |
| 16,200.00                               | 7,070.76            | 7,102.76            | 7,102.76            | 267.21          | 246.23      | -89.99                | -499.65                           | -8,978.54  | 1,311.14             | 874.91                | 436.23                  | 3.006             |                    |         |
| 16,300.00                               | 7,070.77            | 7,102.77            | 7,102.77            | 270.04          | 246.23      | -90.00                | -499.65                           | -8,978.54  | 1,242.35             | 793.80                | 448.55                  | 2.770             |                    |         |
| 16,400.00                               | 7,070.78            | 7,102.78            | 7,102.78            | 272.88          | 246.23      | -90.00                | -499.65                           | -8,978.54  | 1,178.03             | 716.50                | 461.53                  | 2.552             |                    |         |
| 16,500.00                               | 7,070.79            | 7,102.79            | 7,102.79            | 275.71          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 1,118.97             | 643.99                | 474.98                  | 2.356             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 16,600.00                               | 7,070.80            | 7,102.80            | 7,102.80            | 278.55          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 1,066.03             | 577.45                | 488.58                  | 2.182             |                    |         |
| 16,700.00                               | 7,070.81            | 7,102.81            | 7,102.81            | 281.39          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 1,020.17             | 518.31                | 501.86                  | 2.033             |                    |         |
| 16,800.00                               | 7,070.82            | 7,102.82            | 7,102.82            | 284.22          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 982.39               | 468.16                | 514.23                  | 1.910             |                    |         |
| 16,900.00                               | 7,070.83            | 7,102.83            | 7,102.83            | 287.06          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 953.63               | 428.66                | 524.97                  | 1.817             |                    |         |
| 17,000.00                               | 7,070.84            | 7,102.84            | 7,102.84            | 289.90          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 934.74               | 401.37                | 533.37                  | 1.753             |                    |         |
| 17,100.00                               | 7,070.84            | 7,102.84            | 7,102.84            | 292.74          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 926.32               | 387.50                | 538.83                  | 1.719             |                    |         |
| 17,128.34                               | 7,070.85            | 7,102.85            | 7,102.85            | 293.54          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 925.89               | 386.11                | 539.78                  | 1.715             | CC, ES, SF         |         |
| 17,200.00                               | 7,070.85            | 7,102.85            | 7,102.85            | 295.58          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 928.66               | 387.68                | 540.98                  | 1.717             |                    |         |
| 17,300.00                               | 7,070.86            | 7,102.86            | 7,102.86            | 298.42          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 941.67               | 401.86                | 539.81                  | 1.744             |                    |         |
| 17,400.00                               | 7,070.87            | 7,102.87            | 7,102.87            | 301.26          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 964.92               | 429.31                | 535.62                  | 1.802             |                    |         |
| 17,500.00                               | 7,070.88            | 7,102.88            | 7,102.88            | 304.10          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 997.70               | 468.76                | 528.94                  | 1.886             |                    |         |
| 17,600.00                               | 7,070.89            | 7,102.89            | 7,102.89            | 306.94          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 1,039.10             | 518.67                | 520.44                  | 1.997             |                    |         |
| 17,700.00                               | 7,070.90            | 7,102.90            | 7,102.90            | 309.78          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 1,088.15             | 577.39                | 510.75                  | 2.130             |                    |         |
| 17,800.00                               | 7,070.91            | 7,102.91            | 7,102.91            | 312.62          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 1,143.85             | 643.39                | 500.46                  | 2.286             |                    |         |
| 17,900.00                               | 7,070.92            | 7,102.92            | 7,102.92            | 315.46          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 1,205.29             | 715.30                | 489.99                  | 2.460             |                    |         |
| 18,000.00                               | 7,070.92            | 7,102.92            | 7,102.92            | 318.31          | 246.24      | -90.00                | -499.65                           | -8,978.54  | 1,271.64             | 791.97                | 479.67                  | 2.651             |                    |         |
| 18,100.00                               | 7,070.93            | 7,102.93            | 7,102.93            | 321.15          | 246.24      | -90.01                | -499.65                           | -8,978.54  | 1,342.16             | 872.46                | 469.70                  | 2.857             |                    |         |
| 18,200.00                               | 7,070.94            | 7,102.94            | 7,102.94            | 323.99          | 246.24      | -90.01                | -499.65                           | -8,978.54  | 1,416.24             | 956.01                | 460.23                  | 3.077             |                    |         |
| 18,300.00                               | 7,070.95            | 7,102.95            | 7,102.95            | 326.83          | 246.24      | -90.01                | -499.65                           | -8,978.54  | 1,493.34             | 1,042.04              | 451.30                  | 3.309             |                    |         |
| 18,400.00                               | 7,070.96            | 7,102.96            | 7,102.96            | 329.68          | 246.24      | -90.01                | -499.65                           | -8,978.54  | 1,573.02             | 1,130.06              | 442.96                  | 3.551             |                    |         |
| 18,500.00                               | 7,070.97            | 7,102.97            | 7,102.97            | 332.52          | 246.24      | -90.01                | -499.65                           | -8,978.54  | 1,654.91             | 1,219.72              | 435.19                  | 3.803             |                    |         |
| 18,600.00                               | 7,070.98            | 7,102.98            | 7,102.98            | 335.36          | 246.24      | -90.01                | -499.65                           | -8,978.54  | 1,738.69             | 1,310.71              | 427.98                  | 4.063             |                    |         |
| 18,700.00                               | 7,070.99            | 7,102.99            | 7,102.99            | 338.21          | 246.24      | -90.01                | -499.65                           | -8,978.54  | 1,824.11             | 1,402.82              | 421.30                  | 4.330             |                    |         |
| 18,800.00                               | 7,070.99            | 7,102.99            | 7,102.99            | 341.05          | 246.24      | -90.01                | -499.65                           | -8,978.54  | 1,910.95             | 1,495.84              | 415.11                  | 4.604             |                    |         |
| 18,858.54                               | 7,071.00            | 7,103.00            | 7,103.00            | 342.72          | 246.24      | -90.01                | -499.65                           | -8,978.54  | 1,962.36             | 1,550.66              | 411.70                  | 4.767             |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 13.00               | 13.00               | 3.28            | 3.29        | -97.55                | -1,285.55                         | -9,702.75  | 9,787.55             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 113.00              | 113.00              | 3.28            | 3.95        | -97.55                | -1,285.55                         | -9,702.75  | 9,787.55             | 9,780.31              | 7.23                    | 1,353.029         |                    |         |
| 200.00                                  | 200.00              | 213.00              | 213.00              | 3.34            | 6.57        | -97.55                | -1,285.55                         | -9,702.75  | 9,787.55             | 9,777.64              | 9.91                    | 988.141           |                    |         |
| 300.00                                  | 300.00              | 313.00              | 313.00              | 3.44            | 9.75        | -97.55                | -1,285.55                         | -9,702.75  | 9,787.55             | 9,774.35              | 13.19                   | 741.788           |                    |         |
| 400.00                                  | 399.98              | 412.98              | 412.98              | 3.60            | 13.09       | -170.04               | -1,285.55                         | -9,702.75  | 9,789.27             | 9,772.58              | 16.69                   | 586.523           |                    |         |
| 500.00                                  | 499.84              | 512.84              | 512.84              | 3.80            | 16.49       | -170.03               | -1,285.55                         | -9,702.75  | 9,794.42             | 9,774.13              | 20.29                   | 482.741           |                    |         |
| 600.00                                  | 599.45              | 612.45              | 612.45              | 4.04            | 19.91       | -170.01               | -1,285.55                         | -9,702.75  | 9,803.00             | 9,779.05              | 23.95                   | 409.305           |                    |         |
| 700.00                                  | 698.70              | 711.70              | 711.70              | 4.32            | 23.33       | -169.98               | -1,285.55                         | -9,702.75  | 9,815.01             | 9,787.36              | 27.65                   | 354.972           |                    |         |
| 800.00                                  | 797.47              | 810.47              | 810.47              | 4.63            | 26.75       | -169.94               | -1,285.55                         | -9,702.75  | 9,830.42             | 9,799.05              | 31.37                   | 313.346           |                    |         |
| 900.00                                  | 895.62              | 908.62              | 908.62              | 4.97            | 30.15       | -169.89               | -1,285.55                         | -9,702.75  | 9,849.21             | 9,814.11              | 35.11                   | 280.564           |                    |         |
| 924.00                                  | 919.08              | 932.08              | 932.08              | 5.06            | 30.97       | -169.88               | -1,285.55                         | -9,702.75  | 9,854.23             | 9,818.22              | 36.01                   | 273.686           |                    |         |
| 1,000.00                                | 993.28              | 1,006.28            | 1,006.28            | 5.34            | 33.54       | -169.90               | -1,285.55                         | -9,702.75  | 9,870.41             | 9,831.56              | 38.84                   | 254.108           |                    |         |
| 1,100.00                                | 1,090.92            | 1,103.92            | 1,103.92            | 5.73            | 36.94       | -169.92               | -1,285.55                         | -9,702.75  | 9,891.70             | 9,849.10              | 42.59                   | 232.232           |                    |         |
| 1,200.00                                | 1,188.56            | 1,201.56            | 1,201.56            | 6.15            | 40.33       | -169.94               | -1,285.55                         | -9,702.75  | 9,912.99             | 9,866.63              | 46.36                   | 213.816           |                    |         |
| 1,300.00                                | 1,286.19            | 1,300.81            | 1,299.19            | 6.57            | 43.79       | -169.96               | -1,285.55                         | -9,702.75  | 9,934.28             | 9,884.08              | 50.20                   | 197.890           |                    |         |
| 1,400.00                                | 1,383.83            | 1,403.17            | 1,396.83            | 7.01            | 47.35       | -169.99               | -1,285.55                         | -9,702.75  | 9,955.58             | 9,901.42              | 54.16                   | 183.818           |                    |         |
| 1,500.00                                | 1,481.47            | 1,505.53            | 1,494.47            | 7.46            | 50.92       | -170.01               | -1,285.55                         | -9,702.75  | 9,976.87             | 9,918.75              | 58.13                   | 171.634           |                    |         |
| 1,600.00                                | 1,579.10            | 1,607.90            | 1,592.10            | 7.91            | 54.49       | -170.03               | -1,285.55                         | -9,702.75  | 9,998.17             | 9,936.07              | 62.11                   | 160.986           |                    |         |
| 8,100.00                                | 7,070.05            | 7,083.05            | 7,083.05            | 48.60           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,901.86             | 9,624.71              | 277.15                  | 35.728            |                    |         |
| 8,200.00                                | 7,070.05            | 7,083.05            | 7,083.05            | 50.59           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,803.38             | 9,526.13              | 277.25                  | 35.359            |                    |         |
| 8,300.00                                | 7,070.06            | 7,083.06            | 7,083.06            | 52.66           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,704.93             | 9,427.56              | 277.37                  | 34.989            |                    |         |
| 8,400.00                                | 7,070.07            | 7,083.07            | 7,083.07            | 54.81           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,606.52             | 9,329.01              | 277.50                  | 34.618            |                    |         |
| 8,500.00                                | 7,070.08            | 7,083.08            | 7,083.08            | 57.02           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,508.13             | 9,230.48              | 277.65                  | 34.245            |                    |         |
| 8,600.00                                | 7,070.09            | 7,083.09            | 7,083.09            | 59.28           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,409.78             | 9,131.97              | 277.81                  | 33.871            |                    |         |
| 8,700.00                                | 7,070.10            | 7,083.10            | 7,083.10            | 61.60           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,311.47             | 9,033.48              | 277.99                  | 33.496            |                    |         |
| 8,800.00                                | 7,070.11            | 7,083.11            | 7,083.11            | 63.95           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,213.19             | 8,935.01              | 278.18                  | 33.120            |                    |         |
| 8,900.00                                | 7,070.12            | 7,083.12            | 7,083.12            | 66.35           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,114.95             | 8,836.57              | 278.39                  | 32.742            |                    |         |
| 9,000.00                                | 7,070.13            | 7,083.13            | 7,083.13            | 68.79           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 9,016.75             | 8,738.14              | 278.61                  | 32.363            |                    |         |
| 9,100.00                                | 7,070.13            | 7,083.13            | 7,083.13            | 71.25           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 8,918.59             | 8,639.73              | 278.85                  | 31.983            |                    |         |
| 9,200.00                                | 7,070.14            | 7,083.14            | 7,083.14            | 73.74           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 8,820.47             | 8,541.35              | 279.11                  | 31.602            |                    |         |
| 9,300.00                                | 7,070.15            | 7,083.15            | 7,083.15            | 76.26           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 8,722.39             | 8,443.00              | 279.39                  | 31.219            |                    |         |
| 9,400.00                                | 7,070.16            | 7,083.16            | 7,083.16            | 78.80           | 245.55      | -89.97                | -1,285.55                         | -9,702.75  | 8,624.36             | 8,344.66              | 279.69                  | 30.835            |                    |         |
| 9,500.00                                | 7,070.17            | 7,083.17            | 7,083.17            | 81.37           | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 8,526.37             | 8,246.36              | 280.01                  | 30.450            |                    |         |
| 9,600.00                                | 7,070.18            | 7,083.18            | 7,083.18            | 83.95           | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 8,428.43             | 8,148.08              | 280.35                  | 30.064            |                    |         |
| 9,700.00                                | 7,070.19            | 7,083.19            | 7,083.19            | 86.55           | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 8,330.54             | 8,049.82              | 280.71                  | 29.676            |                    |         |
| 9,800.00                                | 7,070.20            | 7,083.20            | 7,083.20            | 89.17           | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 8,232.70             | 7,951.60              | 281.10                  | 29.288            |                    |         |
| 9,900.00                                | 7,070.21            | 7,083.21            | 7,083.21            | 91.80           | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 8,134.91             | 7,853.40              | 281.51                  | 28.898            |                    |         |
| 10,000.00                               | 7,070.21            | 7,083.21            | 7,083.21            | 94.44           | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 8,037.17             | 7,755.23              | 281.94                  | 28.507            |                    |         |
| 10,100.00                               | 7,070.22            | 7,083.22            | 7,083.22            | 97.10           | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,939.50             | 7,657.10              | 282.40                  | 28.115            |                    |         |
| 10,200.00                               | 7,070.23            | 7,083.23            | 7,083.23            | 99.77           | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,841.88             | 7,559.00              | 282.88                  | 27.722            |                    |         |
| 10,300.00                               | 7,070.24            | 7,083.24            | 7,083.24            | 102.44          | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,744.32             | 7,460.93              | 283.39                  | 27.328            |                    |         |
| 10,400.00                               | 7,070.25            | 7,083.25            | 7,083.25            | 105.13          | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,646.82             | 7,362.90              | 283.93                  | 26.933            |                    |         |
| 10,500.00                               | 7,070.26            | 7,083.26            | 7,083.26            | 107.83          | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,549.39             | 7,264.90              | 284.49                  | 26.537            |                    |         |
| 10,600.00                               | 7,070.27            | 7,083.27            | 7,083.27            | 110.53          | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,452.03             | 7,166.95              | 285.09                  | 26.140            |                    |         |
| 10,700.00                               | 7,070.28            | 7,083.28            | 7,083.28            | 113.24          | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,354.74             | 7,069.03              | 285.71                  | 25.742            |                    |         |
| 10,800.00                               | 7,070.28            | 7,083.28            | 7,083.28            | 115.96          | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,257.52             | 6,971.15              | 286.37                  | 25.343            |                    |         |
| 10,900.00                               | 7,070.29            | 7,083.29            | 7,083.29            | 118.69          | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,160.38             | 6,873.32              | 287.06                  | 24.944            |                    |         |
| 11,000.00                               | 7,070.30            | 7,083.30            | 7,083.30            | 121.42          | 245.55      | -89.98                | -1,285.55                         | -9,702.75  | 7,063.32             | 6,775.54              | 287.78                  | 24.544            |                    |         |
| 11,100.00                               | 7,070.31            | 7,083.31            | 7,083.31            | 124.16          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,966.34             | 6,677.81              | 288.54                  | 24.144            |                    |         |
| 11,200.00                               | 7,070.32            | 7,083.32            | 7,083.32            | 126.90          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,869.45             | 6,580.12              | 289.33                  | 23.742            |                    |         |
| 11,300.00                               | 7,070.33            | 7,083.33            | 7,083.33            | 129.65          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,772.65             | 6,482.49              | 290.16                  | 23.341            |                    |         |
| 11,400.00                               | 7,070.34            | 7,083.34            | 7,083.34            | 132.40          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,675.95             | 6,384.91              | 291.03                  | 22.939            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 11,500.00                               | 7,070.35            | 7,083.35            | 7,083.35            | 135.16          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,579.34             | 6,287.40              | 291.94                  | 22.536            |                    |         |
| 11,600.00                               | 7,070.36            | 7,083.36            | 7,083.36            | 137.92          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,482.83             | 6,189.94              | 292.89                  | 22.134            |                    |         |
| 11,700.00                               | 7,070.36            | 7,083.36            | 7,083.36            | 140.69          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,386.44             | 6,092.55              | 293.89                  | 21.731            |                    |         |
| 11,800.00                               | 7,070.37            | 7,083.37            | 7,083.37            | 143.46          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,290.15             | 5,995.22              | 294.93                  | 21.328            |                    |         |
| 11,900.00                               | 7,070.38            | 7,083.38            | 7,083.38            | 146.23          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,193.98             | 5,897.97              | 296.01                  | 20.925            |                    |         |
| 12,000.00                               | 7,070.39            | 7,083.39            | 7,083.39            | 149.01          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,097.94             | 5,800.80              | 297.14                  | 20.522            |                    |         |
| 12,100.00                               | 7,070.40            | 7,083.40            | 7,083.40            | 151.79          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 6,002.03             | 5,703.70              | 298.33                  | 20.119            |                    |         |
| 12,200.00                               | 7,070.41            | 7,083.41            | 7,083.41            | 154.57          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 5,906.25             | 5,606.68              | 299.56                  | 19.716            |                    |         |
| 12,300.00                               | 7,070.42            | 7,083.42            | 7,083.42            | 157.35          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 5,810.61             | 5,509.76              | 300.85                  | 19.314            |                    |         |
| 12,400.00                               | 7,070.43            | 7,083.43            | 7,083.43            | 160.14          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 5,715.12             | 5,412.93              | 302.20                  | 18.912            |                    |         |
| 12,500.00                               | 7,070.44            | 7,083.44            | 7,083.44            | 162.93          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 5,619.79             | 5,316.19              | 303.60                  | 18.511            |                    |         |
| 12,600.00                               | 7,070.44            | 7,083.44            | 7,083.44            | 165.72          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 5,524.63             | 5,219.56              | 305.06                  | 18.110            |                    |         |
| 12,700.00                               | 7,070.45            | 7,083.45            | 7,083.45            | 168.52          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 5,429.63             | 5,123.04              | 306.59                  | 17.710            |                    |         |
| 12,800.00                               | 7,070.46            | 7,083.46            | 7,083.46            | 171.32          | 245.56      | -89.98                | -1,285.55                         | -9,702.75  | 5,334.83             | 5,026.64              | 308.18                  | 17.310            |                    |         |
| 12,900.00                               | 7,070.47            | 7,083.47            | 7,083.47            | 174.11          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 5,240.21             | 4,930.36              | 309.85                  | 16.912            |                    |         |
| 13,000.00                               | 7,070.48            | 7,083.48            | 7,083.48            | 176.92          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 5,145.80             | 4,834.21              | 311.58                  | 16.515            |                    |         |
| 13,100.00                               | 7,070.49            | 7,083.49            | 7,083.49            | 179.72          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 5,051.60             | 4,738.21              | 313.40                  | 16.119            |                    |         |
| 13,200.00                               | 7,070.50            | 7,083.50            | 7,083.50            | 182.52          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,957.63             | 4,642.34              | 315.29                  | 15.724            |                    |         |
| 13,300.00                               | 7,070.51            | 7,083.51            | 7,083.51            | 185.33          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,863.90             | 4,546.64              | 317.26                  | 15.331            |                    |         |
| 13,400.00                               | 7,070.52            | 7,083.52            | 7,083.52            | 188.14          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,770.43             | 4,451.11              | 319.32                  | 14.939            |                    |         |
| 13,500.00                               | 7,070.52            | 7,083.52            | 7,083.52            | 190.95          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,677.22             | 4,355.75              | 321.48                  | 14.549            |                    |         |
| 13,600.00                               | 7,070.53            | 7,083.53            | 7,083.53            | 193.76          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,584.31             | 4,260.58              | 323.73                  | 14.161            |                    |         |
| 13,700.00                               | 7,070.54            | 7,083.54            | 7,083.54            | 196.57          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,491.69             | 4,165.62              | 326.08                  | 13.775            |                    |         |
| 13,800.00                               | 7,070.55            | 7,083.55            | 7,083.55            | 199.38          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,399.40             | 4,070.87              | 328.53                  | 13.391            |                    |         |
| 13,900.00                               | 7,070.56            | 7,083.56            | 7,083.56            | 202.20          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,307.45             | 3,976.36              | 331.10                  | 13.010            |                    |         |
| 14,000.00                               | 7,070.57            | 7,083.57            | 7,083.57            | 205.01          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,215.88             | 3,882.09              | 333.79                  | 12.631            |                    |         |
| 14,100.00                               | 7,070.58            | 7,083.58            | 7,083.58            | 207.83          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,124.69             | 3,788.09              | 336.59                  | 12.254            |                    |         |
| 14,200.00                               | 7,070.59            | 7,083.59            | 7,083.59            | 210.65          | 245.56      | -89.99                | -1,285.55                         | -9,702.75  | 4,033.92             | 3,694.38              | 339.53                  | 11.881            |                    |         |
| 14,300.00                               | 7,070.60            | 7,083.60            | 7,083.60            | 213.47          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,943.59             | 3,600.98              | 342.61                  | 11.510            |                    |         |
| 14,400.00                               | 7,070.60            | 7,083.60            | 7,083.60            | 216.29          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,853.74             | 3,507.91              | 345.83                  | 11.143            |                    |         |
| 14,500.00                               | 7,070.61            | 7,083.61            | 7,083.61            | 219.11          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,764.41             | 3,415.20              | 349.21                  | 10.780            |                    |         |
| 14,600.00                               | 7,070.62            | 7,083.62            | 7,083.62            | 221.94          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,675.63             | 3,322.88              | 352.74                  | 10.420            |                    |         |
| 14,700.00                               | 7,070.63            | 7,083.63            | 7,083.63            | 224.76          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,587.43             | 3,230.98              | 356.45                  | 10.064            |                    |         |
| 14,800.00                               | 7,070.64            | 7,083.64            | 7,083.64            | 227.58          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,499.87             | 3,139.54              | 360.33                  | 9.713             |                    |         |
| 14,900.00                               | 7,070.65            | 7,083.65            | 7,083.65            | 230.41          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,412.99             | 3,048.59              | 364.40                  | 9.366             |                    |         |
| 15,000.00                               | 7,070.66            | 7,083.66            | 7,083.66            | 233.24          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,326.86             | 2,958.18              | 368.67                  | 9.024             |                    |         |
| 15,100.00                               | 7,070.67            | 7,083.67            | 7,083.67            | 236.06          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,241.51             | 2,868.36              | 373.15                  | 8.687             |                    |         |
| 15,200.00                               | 7,070.68            | 7,083.68            | 7,083.68            | 238.89          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,157.03             | 2,779.18              | 377.85                  | 8.355             |                    |         |
| 15,300.00                               | 7,070.68            | 7,083.68            | 7,083.68            | 241.72          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 3,073.48             | 2,690.70              | 382.78                  | 8.029             |                    |         |
| 15,400.00                               | 7,070.69            | 7,083.69            | 7,083.69            | 244.55          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 2,990.94             | 2,602.99              | 387.95                  | 7.710             |                    |         |
| 15,500.00                               | 7,070.70            | 7,083.70            | 7,083.70            | 247.38          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 2,909.49             | 2,516.12              | 393.37                  | 7.396             |                    |         |
| 15,600.00                               | 7,070.71            | 7,083.71            | 7,083.71            | 250.21          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 2,829.24             | 2,430.19              | 399.05                  | 7.090             |                    |         |
| 15,700.00                               | 7,070.72            | 7,083.72            | 7,083.72            | 253.04          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 2,750.28             | 2,345.27              | 405.00                  | 6.791             |                    |         |
| 15,800.00                               | 7,070.73            | 7,083.73            | 7,083.73            | 255.87          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 2,672.73             | 2,261.49              | 411.23                  | 6.499             |                    |         |
| 15,900.00                               | 7,070.74            | 7,083.74            | 7,083.74            | 258.71          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 2,596.71             | 2,178.96              | 417.75                  | 6.216             |                    |         |
| 16,000.00                               | 7,070.75            | 7,083.75            | 7,083.75            | 261.54          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 2,522.37             | 2,097.82              | 424.55                  | 5.941             |                    |         |
| 16,100.00                               | 7,070.76            | 7,083.76            | 7,083.76            | 264.37          | 245.57      | -89.99                | -1,285.55                         | -9,702.75  | 2,449.85             | 2,018.22              | 431.63                  | 5.676             |                    |         |
| 16,200.00                               | 7,070.76            | 7,083.76            | 7,083.76            | 267.21          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 2,379.33             | 1,940.32              | 439.01                  | 5.420             |                    |         |
| 16,300.00                               | 7,070.77            | 7,083.77            | 7,083.77            | 270.04          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 2,310.98             | 1,864.33              | 446.66                  | 5.174             |                    |         |
| 16,400.00                               | 7,070.78            | 7,083.78            | 7,083.78            | 272.88          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 2,245.01             | 1,790.45              | 454.56                  | 4.939             |                    |         |
| 16,500.00                               | 7,070.79            | 7,083.79            | 7,083.79            | 275.71          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 2,181.63             | 1,718.93              | 462.70                  | 4.715             |                    |         |
| 16,600.00                               | 7,070.80            | 7,083.80            | 7,083.80            | 278.55          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 2,121.07             | 1,650.03              | 471.05                  | 4.503             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 16,700.00                               | 7,070.81            | 7,083.81            | 7,083.81            | 281.39          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 2,063.59             | 1,584.04              | 479.55                  | 4.303             |                    |         |
| 16,800.00                               | 7,070.82            | 7,083.82            | 7,083.82            | 284.22          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 2,009.43             | 1,521.29              | 488.15                  | 4.116             |                    |         |
| 16,900.00                               | 7,070.83            | 7,083.83            | 7,083.83            | 287.06          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 1,958.89             | 1,462.12              | 496.77                  | 3.943             |                    |         |
| 17,000.00                               | 7,070.84            | 7,083.84            | 7,083.84            | 289.90          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 1,912.25             | 1,406.91              | 505.34                  | 3.784             |                    |         |
| 17,100.00                               | 7,070.84            | 7,083.84            | 7,083.84            | 292.74          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 1,869.80             | 1,356.05              | 513.75                  | 3.640             |                    |         |
| 17,200.00                               | 7,070.85            | 7,083.85            | 7,083.85            | 295.58          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 1,831.82             | 1,309.94              | 521.88                  | 3.510             |                    |         |
| 17,300.00                               | 7,070.86            | 7,083.86            | 7,083.86            | 298.42          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 1,798.61             | 1,268.99              | 529.63                  | 3.396             |                    |         |
| 17,400.00                               | 7,070.87            | 7,083.87            | 7,083.87            | 301.26          | 245.57      | -90.00                | -1,285.55                         | -9,702.75  | 1,770.44             | 1,233.59              | 536.85                  | 3.298             |                    |         |
| 17,500.00                               | 7,070.88            | 7,083.88            | 7,083.88            | 304.10          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,747.54             | 1,204.12              | 543.41                  | 3.216             |                    |         |
| 17,600.00                               | 7,070.89            | 7,083.89            | 7,083.89            | 306.94          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,730.12             | 1,180.92              | 549.20                  | 3.150             |                    |         |
| 17,700.00                               | 7,070.90            | 7,083.90            | 7,083.90            | 309.78          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,718.36             | 1,164.25              | 554.11                  | 3.101             |                    |         |
| 17,800.00                               | 7,070.91            | 7,083.91            | 7,083.91            | 312.62          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,712.36             | 1,154.33              | 558.04                  | 3.069             |                    |         |
| 17,852.82                               | 7,070.91            | 7,083.91            | 7,083.91            | 314.12          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,711.55             | 1,151.85              | 559.70                  | 3.058 CC          |                    |         |
| 17,900.00                               | 7,070.92            | 7,083.92            | 7,083.92            | 315.46          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,712.20             | 1,151.27              | 560.93                  | 3.052 ES, SF      |                    |         |
| 18,000.00                               | 7,070.92            | 7,083.92            | 7,083.92            | 318.31          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,717.87             | 1,155.10              | 562.76                  | 3.053             |                    |         |
| 18,100.00                               | 7,070.93            | 7,083.93            | 7,083.93            | 321.15          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,729.31             | 1,165.77              | 563.53                  | 3.069             |                    |         |
| 18,200.00                               | 7,070.94            | 7,083.94            | 7,083.94            | 323.99          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,746.41             | 1,183.13              | 563.27                  | 3.100             |                    |         |
| 18,300.00                               | 7,070.95            | 7,083.95            | 7,083.95            | 326.83          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,769.00             | 1,206.96              | 562.04                  | 3.147             |                    |         |
| 18,400.00                               | 7,070.96            | 7,083.96            | 7,083.96            | 329.68          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,796.89             | 1,236.96              | 559.93                  | 3.209             |                    |         |
| 18,500.00                               | 7,070.97            | 7,083.97            | 7,083.97            | 332.52          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,829.82             | 1,272.78              | 557.04                  | 3.285             |                    |         |
| 18,600.00                               | 7,070.98            | 7,083.98            | 7,083.98            | 335.36          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,867.53             | 1,314.06              | 553.47                  | 3.374             |                    |         |
| 18,700.00                               | 7,070.99            | 7,083.99            | 7,083.99            | 338.21          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,909.74             | 1,360.41              | 549.34                  | 3.476             |                    |         |
| 18,800.00                               | 7,070.99            | 7,083.99            | 7,083.99            | 341.05          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,956.16             | 1,411.41              | 544.75                  | 3.591             |                    |         |
| 18,858.54                               | 7,071.00            | 7,084.00            | 7,084.00            | 342.72          | 245.58      | -90.00                | -1,285.55                         | -9,702.75  | 1,985.16             | 1,443.27              | 541.89                  | 3.663             |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 23.95               | 23.95               | 3.28            | 3.28        | -89.82                | 29.97                             | -9,702.24  | 9,702.29             |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 115.93              | 115.93              | 3.28            | 3.29        | -89.82                | 30.15                             | -9,702.30  | 9,702.35             | 9,695.77              | 6.58                    | 1,475.232         |                    |         |
| 200.00                      | 200.00              | 207.37              | 207.37              | 3.34            | 3.35        | -89.82                | 30.54                             | -9,702.43  | 9,702.50             | 9,695.81              | 6.69                    | 1,451.262         |                    |         |
| 300.00                      | 300.00              | 299.10              | 299.10              | 3.44            | 3.45        | -89.82                | 30.93                             | -9,702.64  | 9,702.73             | 9,695.84              | 6.89                    | 1,407.424         |                    |         |
| 400.00                      | 399.98              | 418.45              | 418.44              | 3.60            | 3.64        | -162.31               | 31.16                             | -9,702.84  | 9,704.56             | 9,697.32              | 7.24                    | 1,340.339         |                    |         |
| 500.00                      | 499.84              | 521.71              | 521.71              | 3.80            | 3.85        | -162.29               | 31.07                             | -9,702.89  | 9,709.59             | 9,701.94              | 7.65                    | 1,268.764         |                    |         |
| 600.00                      | 599.45              | 617.01              | 617.01              | 4.04            | 4.08        | -162.25               | 30.96                             | -9,702.97  | 9,717.98             | 9,709.86              | 8.12                    | 1,196.532         |                    |         |
| 700.00                      | 698.70              | 738.81              | 738.80              | 4.32            | 4.41        | -162.21               | 31.03                             | -9,702.94  | 9,729.57             | 9,720.84              | 8.73                    | 1,115.103         |                    |         |
| 800.00                      | 797.47              | 851.33              | 851.32              | 4.63            | 4.74        | -162.15               | 31.01                             | -9,702.67  | 9,744.23             | 9,734.87              | 9.36                    | 1,040.720         |                    |         |
| 900.00                      | 895.62              | 931.82              | 931.82              | 4.97            | 5.00        | -162.07               | 30.79                             | -9,702.47  | 9,762.18             | 9,752.24              | 9.95                    | 981.547           |                    |         |
| 924.00                      | 919.08              | 946.71              | 946.70              | 5.06            | 5.04        | -162.04               | 30.74                             | -9,702.46  | 9,767.02             | 9,756.94              | 10.08                   | 968.948           |                    |         |
| 1,000.00                    | 993.28              | 1,000.00            | 1,000.00            | 5.34            | 5.22        | -162.06               | 30.58                             | -9,702.53  | 9,782.77             | 9,772.26              | 10.52                   | 930.251           |                    |         |
| 1,100.00                    | 1,090.92            | 1,100.00            | 1,103.50            | 5.73            | 5.56        | -162.11               | 30.17                             | -9,702.67  | 9,803.51             | 9,792.30              | 11.21                   | 874.276           |                    |         |
| 1,200.00                    | 1,188.56            | 1,169.60            | 1,169.59            | 6.15            | 5.80        | -162.14               | 29.80                             | -9,702.82  | 9,824.37             | 9,812.54              | 11.83                   | 830.587           |                    |         |
| 1,300.00                    | 1,286.19            | 1,274.35            | 1,274.34            | 6.57            | 6.18        | -162.18               | 29.14                             | -9,703.38  | 9,845.52             | 9,832.93              | 12.59                   | 782.106           |                    |         |
| 1,400.00                    | 1,383.83            | 1,362.10            | 1,362.09            | 7.01            | 6.50        | -162.22               | 28.60                             | -9,703.71  | 9,866.51             | 9,853.20              | 13.30                   | 741.587           |                    |         |
| 1,500.00                    | 1,481.47            | 1,438.96            | 1,438.94            | 7.46            | 6.78        | -162.25               | 28.26                             | -9,704.16  | 9,887.71             | 9,873.72              | 13.99                   | 706.615           |                    |         |
| 1,600.00                    | 1,579.10            | 1,522.00            | 1,521.98            | 7.91            | 7.10        | -162.29               | 27.80                             | -9,704.81  | 9,909.11             | 9,894.39              | 14.72                   | 673.349           |                    |         |
| 1,700.00                    | 1,676.74            | 1,618.55            | 1,618.52            | 8.37            | 7.47        | -162.33               | 27.36                             | -9,705.63  | 9,930.57             | 9,915.07              | 15.50                   | 640.596           |                    |         |
| 1,800.00                    | 1,774.38            | 1,723.09            | 1,723.06            | 8.84            | 7.87        | -162.37               | 27.04                             | -9,706.48  | 9,952.00             | 9,935.67              | 16.33                   | 609.442           |                    |         |
| 1,900.00                    | 1,872.02            | 1,817.30            | 1,817.27            | 9.31            | 8.24        | -162.41               | 26.94                             | -9,707.19  | 9,973.39             | 9,956.26              | 17.12                   | 582.398           |                    |         |
| 2,000.00                    | 1,969.65            | 1,884.71            | 1,884.68            | 9.79            | 8.50        | -162.43               | 26.97                             | -9,707.84  | 9,994.97             | 9,977.16              | 17.82                   | 560.979           |                    |         |
| 7,900.00                    | 7,070.03            | 7,055.79            | 7,055.42            | 44.89           | 30.16       | -83.64                | 53.73                             | -9,740.83  | 9,997.46             | 9,936.18              | 61.28                   | 163.142           |                    |         |
| 8,000.00                    | 7,070.04            | 7,056.22            | 7,055.86            | 46.69           | 30.17       | -83.71                | 53.73                             | -9,740.84  | 9,897.53             | 9,836.25              | 61.29                   | 161.495           |                    |         |
| 8,100.00                    | 7,070.05            | 7,056.66            | 7,056.29            | 48.60           | 30.17       | -83.77                | 53.73                             | -9,740.84  | 9,797.60             | 9,736.31              | 61.29                   | 159.845           |                    |         |
| 8,200.00                    | 7,070.05            | 7,057.09            | 7,056.73            | 50.59           | 30.17       | -83.84                | 53.74                             | -9,740.84  | 9,697.68             | 9,636.37              | 61.30                   | 158.190           |                    |         |
| 8,300.00                    | 7,070.06            | 7,057.53            | 7,057.17            | 52.66           | 30.17       | -83.91                | 53.74                             | -9,740.84  | 9,597.75             | 9,536.44              | 61.31                   | 156.532           |                    |         |
| 8,400.00                    | 7,070.07            | 7,057.97            | 7,057.60            | 54.81           | 30.17       | -83.97                | 53.74                             | -9,740.84  | 9,497.83             | 9,436.50              | 61.33                   | 154.870           |                    |         |
| 8,500.00                    | 7,070.08            | 7,058.40            | 7,058.04            | 57.02           | 30.18       | -84.04                | 53.74                             | -9,740.84  | 9,397.91             | 9,336.57              | 61.34                   | 153.204           |                    |         |
| 8,600.00                    | 7,070.09            | 7,058.84            | 7,058.47            | 59.28           | 30.18       | -84.10                | 53.75                             | -9,740.85  | 9,297.99             | 9,236.63              | 61.36                   | 151.534           |                    |         |
| 8,700.00                    | 7,070.10            | 7,059.27            | 7,058.91            | 61.60           | 30.18       | -84.17                | 53.75                             | -9,740.85  | 9,198.07             | 9,136.69              | 61.38                   | 149.861           |                    |         |
| 8,800.00                    | 7,070.11            | 7,059.71            | 7,059.35            | 63.95           | 30.18       | -84.24                | 53.75                             | -9,740.85  | 9,098.16             | 9,036.76              | 61.40                   | 148.184           |                    |         |
| 8,900.00                    | 7,070.12            | 7,060.15            | 7,059.78            | 66.35           | 30.18       | -84.30                | 53.75                             | -9,740.85  | 8,998.24             | 8,936.82              | 61.42                   | 146.504           |                    |         |
| 9,000.00                    | 7,070.13            | 7,060.58            | 7,060.22            | 68.79           | 30.18       | -84.37                | 53.76                             | -9,740.85  | 8,898.33             | 8,836.88              | 61.44                   | 144.820           |                    |         |
| 9,100.00                    | 7,070.13            | 7,061.02            | 7,060.65            | 71.25           | 30.19       | -84.44                | 53.76                             | -9,740.86  | 8,798.42             | 8,736.95              | 61.47                   | 143.132           |                    |         |
| 9,200.00                    | 7,070.14            | 7,061.45            | 7,061.09            | 73.74           | 30.19       | -84.50                | 53.76                             | -9,740.86  | 8,698.51             | 8,637.01              | 61.50                   | 141.442           |                    |         |
| 9,300.00                    | 7,070.15            | 7,061.89            | 7,061.53            | 76.26           | 30.19       | -84.57                | 53.76                             | -9,740.86  | 8,598.60             | 8,537.07              | 61.53                   | 139.748           |                    |         |
| 9,400.00                    | 7,070.16            | 7,062.32            | 7,061.96            | 78.80           | 30.19       | -84.64                | 53.76                             | -9,740.86  | 8,498.70             | 8,437.14              | 61.56                   | 138.051           |                    |         |
| 9,500.00                    | 7,070.17            | 7,062.76            | 7,062.40            | 81.37           | 30.19       | -84.70                | 53.77                             | -9,740.86  | 8,398.80             | 8,337.20              | 61.60                   | 136.350           |                    |         |
| 9,600.00                    | 7,070.18            | 7,063.20            | 7,062.83            | 83.95           | 30.20       | -84.77                | 53.77                             | -9,740.87  | 8,298.90             | 8,237.26              | 61.63                   | 134.647           |                    |         |
| 9,700.00                    | 7,070.19            | 7,063.63            | 7,063.27            | 86.55           | 30.20       | -84.83                | 53.77                             | -9,740.87  | 8,199.00             | 8,137.32              | 61.67                   | 132.940           |                    |         |
| 9,800.00                    | 7,070.20            | 7,064.07            | 7,063.70            | 89.17           | 30.20       | -84.90                | 53.77                             | -9,740.87  | 8,099.10             | 8,037.39              | 61.72                   | 131.230           |                    |         |
| 9,900.00                    | 7,070.21            | 7,064.50            | 7,064.14            | 91.80           | 30.20       | -84.97                | 53.78                             | -9,740.87  | 7,999.21             | 7,937.45              | 61.76                   | 129.518           |                    |         |
| 10,000.00                   | 7,070.21            | 7,064.94            | 7,064.58            | 94.44           | 30.20       | -85.03                | 53.78                             | -9,740.87  | 7,899.32             | 7,837.51              | 61.81                   | 127.802           |                    |         |
| 10,100.00                   | 7,070.22            | 7,065.38            | 7,065.01            | 97.10           | 30.20       | -85.10                | 53.78                             | -9,740.87  | 7,799.44             | 7,737.58              | 61.86                   | 126.084           |                    |         |
| 10,200.00                   | 7,070.23            | 7,065.81            | 7,065.45            | 99.77           | 30.21       | -85.17                | 53.78                             | -9,740.88  | 7,699.55             | 7,637.64              | 61.91                   | 124.363           |                    |         |
| 10,300.00                   | 7,070.24            | 7,066.25            | 7,065.88            | 102.44          | 30.21       | -85.23                | 53.79                             | -9,740.88  | 7,599.67             | 7,537.70              | 61.97                   | 122.638           |                    |         |
| 10,400.00                   | 7,070.25            | 7,066.68            | 7,066.32            | 105.13          | 30.21       | -85.30                | 53.79                             | -9,740.88  | 7,499.79             | 7,437.77              | 62.03                   | 120.912           |                    |         |
| 10,500.00                   | 7,070.26            | 7,067.12            | 7,066.76            | 107.83          | 30.21       | -85.37                | 53.79                             | -9,740.88  | 7,399.92             | 7,337.83              | 62.09                   | 119.182           |                    |         |
| 10,600.00                   | 7,070.27            | 7,067.56            | 7,067.19            | 110.53          | 30.21       | -85.43                | 53.79                             | -9,740.88  | 7,300.05             | 7,237.89              | 62.15                   | 117.450           |                    |         |
| 10,700.00                   | 7,070.28            | 7,067.99            | 7,067.63            | 113.24          | 30.22       | -85.50                | 53.80                             | -9,740.89  | 7,200.18             | 7,137.96              | 62.22                   | 115.715           |                    |         |
| 10,800.00                   | 7,070.28            | 7,068.43            | 7,068.06            | 115.96          | 30.22       | -85.57                | 53.80                             | -9,740.89  | 7,100.32             | 7,038.02              | 62.30                   | 113.977           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 10,900.00                   | 7,070.29            | 7,068.86            | 7,068.50            | 118.69          | 30.22       | -85.63                | 53.80                             | -9,740.89  | 7,000.46             | 6,938.09              | 62.37                   | 112.237           |                    |         |
| 11,000.00                   | 7,070.30            | 7,069.30            | 7,068.94            | 121.42          | 30.22       | -85.70                | 53.80                             | -9,740.89  | 6,900.60             | 6,838.15              | 62.45                   | 110.494           |                    |         |
| 11,100.00                   | 7,070.31            | 7,069.73            | 7,069.37            | 124.16          | 30.22       | -85.77                | 53.81                             | -9,740.89  | 6,800.75             | 6,738.21              | 62.54                   | 108.749           |                    |         |
| 11,200.00                   | 7,070.32            | 7,070.17            | 7,069.81            | 126.90          | 30.23       | -85.83                | 53.81                             | -9,740.90  | 6,700.90             | 6,638.28              | 62.62                   | 107.001           |                    |         |
| 11,300.00                   | 7,070.33            | 7,070.61            | 7,070.24            | 129.65          | 30.23       | -85.90                | 53.81                             | -9,740.90  | 6,601.06             | 6,538.34              | 62.72                   | 105.251           |                    |         |
| 11,400.00                   | 7,070.34            | 7,071.04            | 7,070.68            | 132.40          | 30.23       | -85.97                | 53.81                             | -9,740.90  | 6,501.22             | 6,438.41              | 62.81                   | 103.498           |                    |         |
| 11,500.00                   | 7,070.35            | 7,071.48            | 7,071.11            | 135.16          | 30.23       | -86.03                | 53.82                             | -9,740.90  | 6,401.39             | 6,338.47              | 62.92                   | 101.743           |                    |         |
| 11,600.00                   | 7,070.36            | 7,071.91            | 7,071.55            | 137.92          | 30.23       | -86.10                | 53.82                             | -9,740.90  | 6,301.56             | 6,238.54              | 63.03                   | 99.985            |                    |         |
| 11,700.00                   | 7,070.36            | 7,072.35            | 7,071.99            | 140.69          | 30.23       | -86.17                | 53.82                             | -9,740.90  | 6,201.74             | 6,138.60              | 63.14                   | 98.225            |                    |         |
| 11,800.00                   | 7,070.37            | 7,072.79            | 7,072.42            | 143.46          | 30.24       | -86.23                | 53.82                             | -9,740.91  | 6,101.93             | 6,038.67              | 63.26                   | 96.462            |                    |         |
| 11,900.00                   | 7,070.38            | 7,073.22            | 7,072.86            | 146.23          | 30.24       | -86.30                | 53.82                             | -9,740.91  | 6,002.12             | 5,938.73              | 63.38                   | 94.697            |                    |         |
| 12,000.00                   | 7,070.39            | 7,073.66            | 7,073.29            | 149.01          | 30.24       | -86.37                | 53.83                             | -9,740.91  | 5,902.31             | 5,838.80              | 63.51                   | 92.930            |                    |         |
| 12,100.00                   | 7,070.40            | 7,074.09            | 7,073.73            | 151.79          | 30.24       | -86.44                | 53.83                             | -9,740.91  | 5,802.52             | 5,738.86              | 63.65                   | 91.160            |                    |         |
| 12,200.00                   | 7,070.41            | 7,074.53            | 7,074.17            | 154.57          | 30.24       | -86.50                | 53.83                             | -9,740.91  | 5,702.73             | 5,638.93              | 63.80                   | 89.387            |                    |         |
| 12,300.00                   | 7,070.42            | 7,074.97            | 7,074.60            | 157.35          | 30.25       | -86.57                | 53.83                             | -9,740.92  | 5,602.94             | 5,538.99              | 63.95                   | 87.613            |                    |         |
| 12,400.00                   | 7,070.43            | 7,075.40            | 7,075.04            | 160.14          | 30.25       | -86.64                | 53.84                             | -9,740.92  | 5,503.17             | 5,439.06              | 64.11                   | 85.835            |                    |         |
| 12,500.00                   | 7,070.44            | 7,075.84            | 7,075.47            | 162.93          | 30.25       | -86.70                | 53.84                             | -9,740.92  | 5,403.40             | 5,339.12              | 64.28                   | 84.056            |                    |         |
| 12,600.00                   | 7,070.44            | 7,076.27            | 7,075.91            | 165.72          | 30.25       | -86.77                | 53.84                             | -9,740.92  | 5,303.65             | 5,239.18              | 64.46                   | 82.273            |                    |         |
| 12,700.00                   | 7,070.45            | 7,076.71            | 7,076.34            | 168.52          | 30.25       | -86.84                | 53.84                             | -9,740.92  | 5,203.90             | 5,139.24              | 64.65                   | 80.489            |                    |         |
| 12,800.00                   | 7,070.46            | 7,077.14            | 7,076.78            | 171.32          | 30.26       | -86.90                | 53.85                             | -9,740.92  | 5,104.16             | 5,039.30              | 64.85                   | 78.701            |                    |         |
| 12,900.00                   | 7,070.47            | 7,077.58            | 7,077.22            | 174.11          | 30.26       | -86.97                | 53.85                             | -9,740.93  | 5,004.43             | 4,939.36              | 65.07                   | 76.912            |                    |         |
| 13,000.00                   | 7,070.48            | 7,078.02            | 7,077.65            | 176.92          | 30.26       | -87.04                | 53.85                             | -9,740.93  | 4,904.72             | 4,839.42              | 65.29                   | 75.120            |                    |         |
| 13,100.00                   | 7,070.49            | 7,078.45            | 7,078.09            | 179.72          | 30.26       | -87.10                | 53.85                             | -9,740.93  | 4,805.01             | 4,739.48              | 65.53                   | 73.325            |                    |         |
| 13,200.00                   | 7,070.50            | 7,078.89            | 7,078.52            | 182.52          | 30.26       | -87.17                | 53.86                             | -9,740.93  | 4,705.32             | 4,639.53              | 65.78                   | 71.528            |                    |         |
| 13,300.00                   | 7,070.51            | 7,079.32            | 7,078.96            | 185.33          | 30.26       | -87.24                | 53.86                             | -9,740.93  | 4,605.64             | 4,539.59              | 66.05                   | 69.729            |                    |         |
| 13,400.00                   | 7,070.52            | 7,079.76            | 7,079.40            | 188.14          | 30.27       | -87.30                | 53.86                             | -9,740.94  | 4,505.97             | 4,439.64              | 66.34                   | 67.927            |                    |         |
| 13,500.00                   | 7,070.52            | 7,080.20            | 7,079.83            | 190.95          | 30.27       | -87.37                | 53.86                             | -9,740.94  | 4,406.32             | 4,339.68              | 66.64                   | 66.122            |                    |         |
| 13,600.00                   | 7,070.53            | 7,080.63            | 7,080.27            | 193.76          | 30.27       | -87.44                | 53.87                             | -9,740.94  | 4,306.69             | 4,239.73              | 66.96                   | 64.315            |                    |         |
| 13,700.00                   | 7,070.54            | 7,081.07            | 7,080.70            | 196.57          | 30.27       | -87.51                | 53.87                             | -9,740.94  | 4,207.07             | 4,139.77              | 67.31                   | 62.506            |                    |         |
| 13,800.00                   | 7,070.55            | 7,081.50            | 7,081.14            | 199.38          | 30.27       | -87.57                | 53.87                             | -9,740.94  | 4,107.48             | 4,039.80              | 67.67                   | 60.695            |                    |         |
| 13,900.00                   | 7,070.56            | 7,081.94            | 7,081.58            | 202.20          | 30.28       | -87.64                | 53.87                             | -9,740.95  | 4,007.90             | 3,939.83              | 68.07                   | 58.882            |                    |         |
| 14,000.00                   | 7,070.57            | 7,082.38            | 7,082.01            | 205.01          | 30.28       | -87.71                | 53.88                             | -9,740.95  | 3,908.34             | 3,839.85              | 68.49                   | 57.067            |                    |         |
| 14,100.00                   | 7,070.58            | 7,082.81            | 7,082.45            | 207.83          | 30.28       | -87.77                | 53.88                             | -9,740.95  | 3,808.81             | 3,739.87              | 68.94                   | 55.250            |                    |         |
| 14,200.00                   | 7,070.59            | 7,083.25            | 7,082.88            | 210.65          | 30.28       | -87.84                | 53.88                             | -9,740.95  | 3,709.30             | 3,639.88              | 69.42                   | 53.431            |                    |         |
| 14,300.00                   | 7,070.60            | 7,083.68            | 7,083.32            | 213.47          | 30.28       | -87.91                | 53.88                             | -9,740.95  | 3,609.82             | 3,539.88              | 69.94                   | 51.611            |                    |         |
| 14,400.00                   | 7,070.60            | 7,084.12            | 7,083.75            | 216.29          | 30.28       | -87.97                | 53.89                             | -9,740.95  | 3,510.37             | 3,439.86              | 70.50                   | 49.790            |                    |         |
| 14,500.00                   | 7,070.61            | 7,084.55            | 7,084.19            | 219.11          | 30.29       | -88.04                | 53.89                             | -9,740.96  | 3,410.95             | 3,339.84              | 71.11                   | 47.969            |                    |         |
| 14,600.00                   | 7,070.62            | 7,084.99            | 7,084.63            | 221.94          | 30.29       | -88.11                | 53.89                             | -9,740.96  | 3,311.56             | 3,239.80              | 71.76                   | 46.147            |                    |         |
| 14,700.00                   | 7,070.63            | 7,085.43            | 7,085.06            | 224.76          | 30.29       | -88.18                | 53.89                             | -9,740.96  | 3,212.22             | 3,139.75              | 72.47                   | 44.326            |                    |         |
| 14,800.00                   | 7,070.64            | 7,085.86            | 7,085.50            | 227.58          | 30.29       | -88.24                | 53.89                             | -9,740.96  | 3,112.91             | 3,039.68              | 73.24                   | 42.506            |                    |         |
| 14,900.00                   | 7,070.65            | 7,086.30            | 7,085.93            | 230.41          | 30.29       | -88.31                | 53.90                             | -9,740.96  | 3,013.65             | 2,939.59              | 74.07                   | 40.687            |                    |         |
| 15,000.00                   | 7,070.66            | 7,086.73            | 7,086.37            | 233.24          | 30.30       | -88.38                | 53.90                             | -9,740.97  | 2,914.45             | 2,839.47              | 74.98                   | 38.872            |                    |         |
| 15,100.00                   | 7,070.67            | 7,087.17            | 7,086.81            | 236.06          | 30.30       | -88.44                | 53.90                             | -9,740.97  | 2,815.29             | 2,739.33              | 75.97                   | 37.060            |                    |         |
| 15,200.00                   | 7,070.68            | 7,087.61            | 7,087.24            | 238.89          | 30.30       | -88.51                | 53.90                             | -9,740.97  | 2,716.20             | 2,639.16              | 77.05                   | 35.253            |                    |         |
| 15,300.00                   | 7,070.68            | 7,088.04            | 7,087.68            | 241.72          | 30.30       | -88.58                | 53.91                             | -9,740.97  | 2,617.18             | 2,538.95              | 78.24                   | 33.453            |                    |         |
| 15,400.00                   | 7,070.69            | 7,088.48            | 7,088.11            | 244.55          | 30.30       | -88.64                | 53.91                             | -9,740.97  | 2,518.24             | 2,438.70              | 79.54                   | 31.660            |                    |         |
| 15,500.00                   | 7,070.70            | 7,088.91            | 7,088.55            | 247.38          | 30.31       | -88.71                | 53.91                             | -9,740.98  | 2,419.38             | 2,338.41              | 80.98                   | 29.878            |                    |         |
| 15,600.00                   | 7,070.71            | 7,089.35            | 7,088.98            | 250.21          | 30.31       | -88.78                | 53.91                             | -9,740.98  | 2,320.62             | 2,239.06              | 82.56                   | 28.107            |                    |         |
| 15,700.00                   | 7,070.72            | 7,089.79            | 7,089.42            | 253.04          | 30.31       | -88.85                | 53.92                             | -9,740.98  | 2,221.98             | 2,137.65              | 84.32                   | 26.350            |                    |         |
| 15,800.00                   | 7,070.73            | 7,090.22            | 7,089.86            | 255.87          | 30.31       | -88.91                | 53.92                             | -9,740.98  | 2,123.45             | 2,037.17              | 86.28                   | 24.611            |                    |         |
| 15,900.00                   | 7,070.74            | 7,090.66            | 7,090.29            | 258.71          | 30.31       | -88.98                | 53.92                             | -9,740.98  | 2,025.08             | 1,936.61              | 88.46                   | 22.892            |                    |         |
| 16,000.00                   | 7,070.75            | 7,091.09            | 7,090.73            | 261.54          | 30.31       | -89.05                | 53.92                             | -9,740.98  | 1,926.87             | 1,835.96              | 90.91                   | 21.196            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                       | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-----------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                       | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                       |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor     |                    |         |
| 16,100.00                   | 7,070.76            | 7,091.53            | 7,091.16            | 264.37          | 30.32       | -89.11                | 53.93                             | -9,740.99  | 1,828.85             | 1,735.20              | 93.65                   | 19.528                |                    |         |
| 16,200.00                   | 7,070.76            | 7,091.96            | 7,091.60            | 267.21          | 30.32       | -89.18                | 53.93                             | -9,740.99  | 1,731.06             | 1,634.31              | 96.76                   | 17.891                |                    |         |
| 16,300.00                   | 7,070.77            | 7,092.40            | 7,092.04            | 270.04          | 30.32       | -89.25                | 53.93                             | -9,740.99  | 1,633.54             | 1,533.26              | 100.28                  | 16.290                |                    |         |
| 16,400.00                   | 7,070.78            | 7,092.84            | 7,092.47            | 272.88          | 30.32       | -89.32                | 53.93                             | -9,740.99  | 1,536.34             | 1,432.05              | 104.29                  | 14.731                |                    |         |
| 16,500.00                   | 7,070.79            | 7,093.27            | 7,092.91            | 275.71          | 30.32       | -89.38                | 53.94                             | -9,740.99  | 1,439.52             | 1,330.62              | 108.90                  | 13.219                |                    |         |
| 16,600.00                   | 7,070.80            | 7,093.71            | 7,093.34            | 278.55          | 30.33       | -89.45                | 53.94                             | -9,741.00  | 1,343.17             | 1,228.95              | 114.22                  | 11.759                |                    |         |
| 16,700.00                   | 7,070.81            | 7,094.14            | 7,093.78            | 281.39          | 30.33       | -89.52                | 53.94                             | -9,741.00  | 1,247.39             | 1,126.98              | 120.41                  | 10.360                |                    |         |
| 16,800.00                   | 7,070.82            | 7,094.58            | 7,094.22            | 284.22          | 30.33       | -89.58                | 53.94                             | -9,741.00  | 1,152.33             | 1,024.67              | 127.65                  | 9.027                 |                    |         |
| 16,900.00                   | 7,070.83            | 7,095.02            | 7,094.65            | 287.06          | 30.33       | -89.65                | 53.95                             | -9,741.00  | 1,058.17             | 921.96                | 136.22                  | 7.768                 |                    |         |
| 17,000.00                   | 7,070.84            | 7,095.45            | 7,095.09            | 289.90          | 30.33       | -89.72                | 53.95                             | -9,741.00  | 965.20               | 818.77                | 146.43                  | 6.592                 |                    |         |
| 17,100.00                   | 7,070.84            | 7,095.89            | 7,095.52            | 292.74          | 30.33       | -89.79                | 53.95                             | -9,741.00  | 873.78               | 715.06                | 158.72                  | 5.505                 |                    |         |
| 17,200.00                   | 7,070.85            | 7,096.32            | 7,095.96            | 295.58          | 30.34       | -89.85                | 53.95                             | -9,741.01  | 784.45               | 610.81                | 173.64                  | 4.518                 |                    |         |
| 17,300.00                   | 7,070.86            | 7,096.76            | 7,096.39            | 298.42          | 30.34       | -89.92                | 53.95                             | -9,741.01  | 698.02               | 506.13                | 191.89                  | 3.638                 |                    |         |
| 17,400.00                   | 7,070.87            | 7,097.20            | 7,096.83            | 301.26          | 30.34       | -89.99                | 53.96                             | -9,741.01  | 615.72               | 401.47                | 214.25                  | 2.874                 |                    |         |
| 17,500.00                   | 7,070.88            | 7,097.63            | 7,097.27            | 304.10          | 30.34       | -90.05                | 53.96                             | -9,741.01  | 539.43               | 298.08                | 241.36                  | 2.235                 |                    |         |
| 17,600.00                   | 7,070.89            | 7,098.07            | 7,097.70            | 306.94          | 30.34       | -90.12                | 53.96                             | -9,741.01  | 472.09               | 199.13                | 272.96                  | 1.730                 |                    |         |
| 17,700.00                   | 7,070.90            | 7,098.50            | 7,098.14            | 309.78          | 30.35       | -90.19                | 53.96                             | -9,741.02  | 418.02               | 111.71                | 306.31                  | 1.365 Level 3         |                    |         |
| 17,800.00                   | 7,070.91            | 7,098.94            | 7,098.57            | 312.62          | 30.35       | -90.26                | 53.97                             | -9,741.02  | 382.90               | 48.83                 | 334.07                  | 1.146 Level 2         |                    |         |
| 17,890.63                   | 7,070.91            | 7,099.33            | 7,098.97            | 315.20          | 30.35       | -90.32                | 53.97                             | -9,741.02  | 372.02               | 26.51                 | 345.51                  | 1.077 Level 2, CC     |                    |         |
| 17,900.00                   | 7,070.92            | 7,099.37            | 7,099.01            | 315.46          | 30.35       | -90.32                | 53.97                             | -9,741.02  | 372.14               | 26.45                 | 345.69                  | 1.077 Level 2, ES, SF |                    |         |
| 18,000.00                   | 7,070.92            | 7,099.81            | 7,099.45            | 318.31          | 30.35       | -90.39                | 53.97                             | -9,741.02  | 387.76               | 51.76                 | 336.00                  | 1.154 Level 2         |                    |         |
| 18,100.00                   | 7,070.93            | 7,100.25            | 7,099.88            | 321.15          | 30.35       | -90.46                | 53.97                             | -9,741.02  | 426.89               | 115.89                | 311.00                  | 1.373 Level 3         |                    |         |
| 18,200.00                   | 7,070.94            | 7,100.68            | 7,100.32            | 323.99          | 30.36       | -90.52                | 53.98                             | -9,741.03  | 483.84               | 203.00                | 280.84                  | 1.723                 |                    |         |
| 18,300.00                   | 7,070.95            | 7,101.12            | 7,100.75            | 326.83          | 30.36       | -90.59                | 53.98                             | -9,741.03  | 553.15               | 300.98                | 252.17                  | 2.194                 |                    |         |
| 18,400.00                   | 7,070.96            | 7,101.55            | 7,101.19            | 329.68          | 30.36       | -90.66                | 53.98                             | -9,741.03  | 630.75               | 403.32                | 227.43                  | 2.773                 |                    |         |
| 18,500.00                   | 7,070.97            | 7,101.99            | 7,101.63            | 332.52          | 30.36       | -90.73                | 53.98                             | -9,741.03  | 713.95               | 507.08                | 206.86                  | 3.451                 |                    |         |
| 18,600.00                   | 7,070.98            | 7,102.43            | 7,102.06            | 335.36          | 30.36       | -90.79                | 53.99                             | -9,741.03  | 800.99               | 611.05                | 189.95                  | 4.217                 |                    |         |
| 18,700.00                   | 7,070.99            | 7,102.86            | 7,102.50            | 338.21          | 30.36       | -90.86                | 53.99                             | -9,741.03  | 890.77               | 714.75                | 176.01                  | 5.061                 |                    |         |
| 18,800.00                   | 7,070.99            | 7,103.30            | 7,102.93            | 341.05          | 30.37       | -90.93                | 53.99                             | -9,741.04  | 982.51               | 818.05                | 164.46                  | 5.974                 |                    |         |
| 18,858.54                   | 7,071.00            | 7,103.55            | 7,103.19            | 342.72          | 30.37       | -90.97                | 53.99                             | -9,741.04  | 1,036.93             | 878.33                | 158.60                  | 6.538                 |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 14.00               | 14.00               | 3.28            | 3.29        | -98.56                | -1,285.98                         | -8,544.14  | 8,640.38             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 114.00              | 114.00              | 3.28            | 3.97        | -98.56                | -1,285.98                         | -8,544.14  | 8,640.38             | 8,633.12              | 7.25                    | 1,191.225         |                    |         |
| 200.00                                  | 200.00              | 214.00              | 214.00              | 3.34            | 6.60        | -98.56                | -1,285.98                         | -8,544.14  | 8,640.38             | 8,630.44              | 9.94                    | 869.666           |                    |         |
| 300.00                                  | 300.00              | 314.00              | 314.00              | 3.44            | 9.78        | -98.56                | -1,285.98                         | -8,544.14  | 8,640.38             | 8,627.15              | 13.23                   | 653.217           |                    |         |
| 400.00                                  | 399.98              | 413.98              | 413.98              | 3.60            | 13.12       | -171.06               | -1,285.98                         | -8,544.14  | 8,642.10             | 8,625.38              | 16.72                   | 516.744           |                    |         |
| 500.00                                  | 499.84              | 513.84              | 513.84              | 3.80            | 16.52       | -171.05               | -1,285.98                         | -8,544.14  | 8,647.27             | 8,626.95              | 20.32                   | 425.482           |                    |         |
| 600.00                                  | 599.45              | 613.45              | 613.45              | 4.04            | 19.94       | -171.03               | -1,285.98                         | -8,544.14  | 8,655.88             | 8,631.89              | 23.98                   | 360.888           |                    |         |
| 700.00                                  | 698.70              | 712.70              | 712.70              | 4.32            | 23.37       | -171.00               | -1,285.98                         | -8,544.14  | 8,667.92             | 8,640.23              | 27.68                   | 313.093           |                    |         |
| 800.00                                  | 797.47              | 811.47              | 811.47              | 4.63            | 26.78       | -170.97               | -1,285.98                         | -8,544.14  | 8,683.37             | 8,651.97              | 31.41                   | 276.477           |                    |         |
| 900.00                                  | 895.62              | 909.62              | 909.62              | 4.97            | 30.19       | -170.93               | -1,285.98                         | -8,544.14  | 8,702.22             | 8,667.08              | 35.14                   | 247.644           |                    |         |
| 924.00                                  | 919.08              | 933.08              | 933.08              | 5.06            | 31.00       | -170.92               | -1,285.98                         | -8,544.14  | 8,707.25             | 8,671.21              | 36.04                   | 241.595           |                    |         |
| 1,000.00                                | 993.28              | 1,007.28            | 1,007.28            | 5.34            | 33.58       | -170.93               | -1,285.98                         | -8,544.14  | 8,723.48             | 8,684.60              | 38.88                   | 224.379           |                    |         |
| 1,100.00                                | 1,090.92            | 1,104.92            | 1,104.92            | 5.73            | 36.97       | -170.96               | -1,285.98                         | -8,544.14  | 8,744.83             | 8,702.20              | 42.63                   | 205.138           |                    |         |
| 1,200.00                                | 1,188.56            | 1,202.56            | 1,202.56            | 6.15            | 40.37       | -170.98               | -1,285.98                         | -8,544.14  | 8,766.19             | 8,719.79              | 46.40                   | 188.938           |                    |         |
| 1,300.00                                | 1,286.19            | 1,300.19            | 1,300.19            | 6.57            | 43.77       | -171.00               | -1,285.98                         | -8,544.14  | 8,787.54             | 8,737.36              | 50.18                   | 175.121           |                    |         |
| 1,400.00                                | 1,383.83            | 1,402.17            | 1,397.83            | 7.01            | 47.32       | -171.02               | -1,285.98                         | -8,544.14  | 8,808.90             | 8,754.77              | 54.13                   | 162.751           |                    |         |
| 1,500.00                                | 1,481.47            | 1,504.53            | 1,495.47            | 7.46            | 50.88       | -171.04               | -1,285.98                         | -8,544.14  | 8,830.26             | 8,772.16              | 58.09                   | 152.000           |                    |         |
| 1,600.00                                | 1,579.10            | 1,606.90            | 1,593.10            | 7.91            | 54.45       | -171.07               | -1,285.98                         | -8,544.14  | 8,851.61             | 8,789.54              | 62.07                   | 142.605           |                    |         |
| 1,700.00                                | 1,676.74            | 1,709.26            | 1,690.74            | 8.37            | 58.02       | -171.09               | -1,285.98                         | -8,544.14  | 8,872.98             | 8,806.92              | 66.05                   | 134.328           |                    |         |
| 1,800.00                                | 1,774.38            | 1,788.38            | 1,788.38            | 8.84            | 60.78       | -171.11               | -1,285.98                         | -8,544.14  | 8,894.34             | 8,825.10              | 69.23                   | 128.467           |                    |         |
| 1,900.00                                | 1,872.02            | 1,886.02            | 1,886.02            | 9.31            | 64.18       | -171.13               | -1,285.98                         | -8,544.14  | 8,915.70             | 8,842.64              | 73.06                   | 122.025           |                    |         |
| 2,000.00                                | 1,969.65            | 1,983.65            | 1,983.65            | 9.79            | 67.58       | -171.15               | -1,285.98                         | -8,544.14  | 8,937.06             | 8,860.16              | 76.90                   | 116.219           |                    |         |
| 2,100.00                                | 2,067.29            | 2,081.29            | 2,081.29            | 10.27           | 70.99       | -171.17               | -1,285.98                         | -8,544.14  | 8,958.43             | 8,877.69              | 80.74                   | 110.959           |                    |         |
| 2,200.00                                | 2,164.93            | 2,178.93            | 2,178.93            | 10.75           | 74.39       | -171.20               | -1,285.98                         | -8,544.14  | 8,979.79             | 8,895.22              | 84.58                   | 106.172           |                    |         |
| 2,300.00                                | 2,262.56            | 2,276.56            | 2,276.56            | 11.24           | 77.80       | -171.22               | -1,285.98                         | -8,544.14  | 9,001.16             | 8,912.74              | 88.42                   | 101.798           |                    |         |
| 2,400.00                                | 2,360.20            | 2,374.20            | 2,374.20            | 11.73           | 81.20       | -171.24               | -1,285.98                         | -8,544.14  | 9,022.53             | 8,930.26              | 92.27                   | 97.785            |                    |         |
| 2,500.00                                | 2,457.84            | 2,471.84            | 2,471.84            | 12.22           | 84.61       | -171.26               | -1,285.98                         | -8,544.14  | 9,043.90             | 8,947.78              | 96.12                   | 94.092            |                    |         |
| 2,600.00                                | 2,555.48            | 2,569.48            | 2,569.48            | 12.71           | 88.02       | -171.28               | -1,285.98                         | -8,544.14  | 9,065.27             | 8,965.30              | 99.97                   | 90.681            |                    |         |
| 2,700.00                                | 2,653.11            | 2,667.11            | 2,667.11            | 13.20           | 91.42       | -171.30               | -1,285.98                         | -8,544.14  | 9,086.64             | 8,982.82              | 103.82                  | 87.522            |                    |         |
| 2,800.00                                | 2,750.75            | 2,764.75            | 2,764.75            | 13.70           | 94.83       | -171.32               | -1,285.98                         | -8,544.14  | 9,108.02             | 9,000.34              | 107.68                  | 84.588            |                    |         |
| 2,900.00                                | 2,848.39            | 2,862.39            | 2,862.39            | 14.19           | 98.24       | -171.34               | -1,285.98                         | -8,544.14  | 9,129.39             | 9,017.86              | 111.53                  | 81.855            |                    |         |
| 3,000.00                                | 2,946.02            | 2,960.02            | 2,960.02            | 14.69           | 101.64      | -171.36               | -1,285.98                         | -8,544.14  | 9,150.77             | 9,035.38              | 115.39                  | 79.304            |                    |         |
| 3,100.00                                | 3,043.66            | 3,057.66            | 3,057.66            | 15.19           | 105.05      | -171.38               | -1,285.98                         | -8,544.14  | 9,172.14             | 9,052.90              | 119.25                  | 76.918            |                    |         |
| 3,200.00                                | 3,141.30            | 3,155.30            | 3,155.30            | 15.69           | 108.46      | -171.40               | -1,285.98                         | -8,544.14  | 9,193.52             | 9,070.42              | 123.11                  | 74.680            |                    |         |
| 3,300.00                                | 3,238.94            | 3,252.94            | 3,252.94            | 16.19           | 111.86      | -171.42               | -1,285.98                         | -8,544.14  | 9,214.90             | 9,087.93              | 126.97                  | 72.578            |                    |         |
| 3,400.00                                | 3,336.57            | 3,350.57            | 3,350.57            | 16.69           | 115.27      | -171.44               | -1,285.98                         | -8,544.14  | 9,236.28             | 9,105.45              | 130.83                  | 70.600            |                    |         |
| 3,500.00                                | 3,434.21            | 3,448.21            | 3,448.21            | 17.19           | 118.68      | -171.46               | -1,285.98                         | -8,544.14  | 9,257.66             | 9,122.97              | 134.69                  | 68.734            |                    |         |
| 3,600.00                                | 3,531.85            | 3,545.85            | 3,545.85            | 17.69           | 122.08      | -171.48               | -1,285.98                         | -8,544.14  | 9,279.04             | 9,140.49              | 138.55                  | 66.972            |                    |         |
| 3,700.00                                | 3,629.48            | 3,643.48            | 3,643.48            | 18.20           | 125.49      | -171.50               | -1,285.98                         | -8,544.14  | 9,300.42             | 9,158.01              | 142.41                  | 65.306            |                    |         |
| 3,800.00                                | 3,727.12            | 3,741.12            | 3,741.12            | 18.70           | 128.90      | -171.52               | -1,285.98                         | -8,544.14  | 9,321.81             | 9,175.53              | 146.28                  | 63.727            |                    |         |
| 3,900.00                                | 3,824.76            | 3,838.76            | 3,838.76            | 19.21           | 132.31      | -171.54               | -1,285.98                         | -8,544.14  | 9,343.19             | 9,193.05              | 150.14                  | 62.229            |                    |         |
| 4,000.00                                | 3,922.40            | 3,936.40            | 3,936.40            | 19.71           | 135.71      | -171.56               | -1,285.98                         | -8,544.14  | 9,364.58             | 9,210.57              | 154.01                  | 60.806            |                    |         |
| 4,100.00                                | 4,020.03            | 4,034.03            | 4,034.03            | 20.21           | 139.12      | -171.58               | -1,285.98                         | -8,544.14  | 9,385.97             | 9,228.09              | 157.87                  | 59.453            |                    |         |
| 4,200.00                                | 4,117.67            | 4,131.67            | 4,131.67            | 20.72           | 142.53      | -171.60               | -1,285.98                         | -8,544.14  | 9,407.35             | 9,245.62              | 161.74                  | 58.164            |                    |         |
| 4,300.00                                | 4,215.31            | 4,229.31            | 4,229.31            | 21.23           | 145.94      | -171.62               | -1,285.98                         | -8,544.14  | 9,428.74             | 9,263.14              | 165.60                  | 56.935            |                    |         |
| 4,400.00                                | 4,312.94            | 4,326.94            | 4,326.94            | 21.73           | 149.34      | -171.64               | -1,285.98                         | -8,544.14  | 9,450.13             | 9,280.66              | 169.47                  | 55.763            |                    |         |
| 4,500.00                                | 4,410.58            | 4,424.58            | 4,424.58            | 22.24           | 152.75      | -171.66               | -1,285.98                         | -8,544.14  | 9,471.53             | 9,298.19              | 173.34                  | 54.642            |                    |         |
| 4,600.00                                | 4,508.22            | 4,522.22            | 4,522.22            | 22.75           | 156.16      | -171.67               | -1,285.98                         | -8,544.14  | 9,492.92             | 9,315.71              | 177.21                  | 53.570            |                    |         |
| 4,700.00                                | 4,605.86            | 4,619.86            | 4,619.86            | 23.25           | 159.57      | -171.69               | -1,285.98                         | -8,544.14  | 9,514.31             | 9,333.24              | 181.07                  | 52.544            |                    |         |
| 4,800.00                                | 4,703.49            | 4,717.49            | 4,717.49            | 23.76           | 162.98      | -171.71               | -1,285.98                         | -8,544.14  | 9,535.70             | 9,350.76              | 184.94                  | 51.561            |                    |         |
| 4,900.00                                | 4,801.13            | 4,815.13            | 4,815.13            | 24.27           | 166.38      | -171.73               | -1,285.98                         | -8,544.14  | 9,557.10             | 9,368.29              | 188.81                  | 50.618            |                    |         |
| 5,000.00                                | 4,898.77            | 4,912.77            | 4,912.77            | 24.77           | 169.79      | -171.75               | -1,285.98                         | -8,544.14  | 9,578.50             | 9,385.82              | 192.68                  | 49.712            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,010.40            | 5,010.40            | 25.28           | 173.20      | -171.77               | -1,285.98                         | -8,544.14  | 9,599.89             | 9,403.35              | 196.55                  | 48.843            |                    |         |
| 5,200.00                                | 5,094.04            | 5,108.04            | 5,108.04            | 25.79           | 176.61      | -171.79               | -1,285.98                         | -8,544.14  | 9,621.29             | 9,420.87              | 200.42                  | 48.006            |                    |         |
| 5,300.00                                | 5,191.68            | 5,205.68            | 5,205.68            | 26.30           | 180.02      | -171.80               | -1,285.98                         | -8,544.14  | 9,642.69             | 9,438.40              | 204.29                  | 47.202            |                    |         |
| 5,400.00                                | 5,289.32            | 5,303.32            | 5,303.32            | 26.81           | 183.42      | -171.82               | -1,285.98                         | -8,544.14  | 9,664.09             | 9,455.93              | 208.16                  | 46.427            |                    |         |
| 5,500.00                                | 5,386.95            | 5,400.95            | 5,400.95            | 27.32           | 186.83      | -171.84               | -1,285.98                         | -8,544.14  | 9,685.49             | 9,473.46              | 212.03                  | 45.681            |                    |         |
| 5,600.00                                | 5,484.59            | 5,501.41            | 5,498.59            | 27.83           | 190.34      | -171.86               | -1,285.98                         | -8,544.14  | 9,706.89             | 9,490.90              | 215.99                  | 44.941            |                    |         |
| 5,700.00                                | 5,582.23            | 5,603.77            | 5,596.23            | 28.33           | 193.91      | -171.88               | -1,285.98                         | -8,544.14  | 9,728.29             | 9,508.26              | 220.03                  | 44.214            |                    |         |
| 5,800.00                                | 5,679.87            | 5,706.14            | 5,693.87            | 28.84           | 197.48      | -171.89               | -1,285.98                         | -8,544.14  | 9,749.70             | 9,525.63              | 224.06                  | 43.513            |                    |         |
| 5,900.00                                | 5,777.50            | 5,808.50            | 5,791.50            | 29.35           | 201.06      | -171.91               | -1,285.98                         | -8,544.14  | 9,771.10             | 9,543.00              | 228.10                  | 42.837            |                    |         |
| 6,000.00                                | 5,875.14            | 5,889.14            | 5,889.14            | 29.86           | 203.87      | -171.93               | -1,285.98                         | -8,544.14  | 9,792.51             | 9,561.13              | 231.38                  | 42.323            |                    |         |
| 6,100.00                                | 5,972.78            | 5,986.78            | 5,986.78            | 30.37           | 207.28      | -171.95               | -1,285.98                         | -8,544.14  | 9,813.91             | 9,578.66              | 235.25                  | 41.717            |                    |         |
| 6,200.00                                | 6,070.41            | 6,084.41            | 6,084.41            | 30.88           | 210.69      | -171.97               | -1,285.98                         | -8,544.14  | 9,835.32             | 9,596.20              | 239.12                  | 41.131            |                    |         |
| 6,300.00                                | 6,168.05            | 6,182.05            | 6,182.05            | 31.39           | 214.10      | -171.98               | -1,285.98                         | -8,544.14  | 9,856.73             | 9,613.74              | 242.99                  | 40.564            |                    |         |
| 6,400.00                                | 6,265.69            | 6,279.69            | 6,279.69            | 31.90           | 217.50      | -172.00               | -1,285.98                         | -8,544.14  | 9,878.14             | 9,631.27              | 246.86                  | 40.015            |                    |         |
| 6,439.09                                | 6,303.85            | 6,317.85            | 6,317.85            | 32.10           | 218.84      | -172.01               | -1,285.98                         | -8,544.14  | 9,886.51             | 9,638.13              | 248.38                  | 39.805            |                    |         |
| 6,450.00                                | 6,314.53            | 6,328.53            | 6,328.53            | 32.16           | 219.21      | -170.50               | -1,285.98                         | -8,544.14  | 9,888.75             | 9,639.95              | 248.80                  | 39.746            |                    |         |
| 6,500.00                                | 6,363.83            | 6,377.83            | 6,377.83            | 32.39           | 220.93      | -158.98               | -1,285.98                         | -8,544.14  | 9,896.72             | 9,645.98              | 250.74                  | 39.470            |                    |         |
| 6,550.00                                | 6,413.58            | 6,427.58            | 6,427.58            | 32.60           | 222.67      | -126.35               | -1,285.98                         | -8,544.14  | 9,900.86             | 9,648.17              | 252.69                  | 39.182            |                    |         |
| 6,600.00                                | 6,463.45            | 6,477.45            | 6,477.45            | 32.79           | 224.41      | -65.53                | -1,285.98                         | -8,544.14  | 9,901.13             | 9,646.50              | 254.62                  | 38.885            |                    |         |
| 6,650.00                                | 6,513.15            | 6,527.15            | 6,527.15            | 32.97           | 226.14      | -38.10                | -1,285.98                         | -8,544.14  | 9,897.53             | 9,641.00              | 256.53                  | 38.582            |                    |         |
| 6,700.00                                | 6,562.37            | 6,576.37            | 6,576.37            | 33.15           | 227.86      | -28.24                | -1,285.98                         | -8,544.14  | 9,890.09             | 9,631.69              | 258.41                  | 38.274            |                    |         |
| 6,750.00                                | 6,610.80            | 6,624.80            | 6,624.80            | 33.34           | 229.55      | -23.63                | -1,285.98                         | -8,544.14  | 9,878.86             | 9,618.63              | 260.23                  | 37.962            |                    |         |
| 6,800.00                                | 6,658.14            | 6,672.14            | 6,672.14            | 33.53           | 231.20      | -21.13                | -1,285.98                         | -8,544.14  | 9,863.90             | 9,601.89              | 262.01                  | 37.648            |                    |         |
| 6,850.00                                | 6,704.11            | 6,718.11            | 6,718.11            | 33.74           | 232.81      | -19.71                | -1,285.98                         | -8,544.14  | 9,845.31             | 9,581.60              | 263.71                  | 37.333            |                    |         |
| 6,900.00                                | 6,748.42            | 6,762.42            | 6,762.42            | 33.97           | 234.35      | -18.93                | -1,285.98                         | -8,544.14  | 9,823.20             | 9,557.86              | 265.34                  | 37.020            |                    |         |
| 6,950.00                                | 6,790.79            | 6,804.79            | 6,804.79            | 34.21           | 235.83      | -18.61                | -1,285.98                         | -8,544.14  | 9,797.71             | 9,530.82              | 266.89                  | 36.710            |                    |         |
| 7,000.00                                | 6,830.97            | 6,844.97            | 6,844.97            | 34.48           | 237.24      | -18.66                | -1,285.98                         | -8,544.14  | 9,769.00             | 9,500.65              | 268.35                  | 36.404            |                    |         |
| 7,050.00                                | 6,868.71            | 6,882.71            | 6,882.71            | 34.77           | 238.55      | -19.03                | -1,285.98                         | -8,544.14  | 9,737.25             | 9,467.54              | 269.71                  | 36.103            |                    |         |
| 7,100.00                                | 6,903.77            | 6,917.77            | 6,917.77            | 35.09           | 239.78      | -19.73                | -1,285.98                         | -8,544.14  | 9,702.66             | 9,431.69              | 270.96                  | 35.808            |                    |         |
| 7,150.00                                | 6,935.93            | 6,949.93            | 6,949.93            | 35.44           | 240.90      | -20.80                | -1,285.98                         | -8,544.14  | 9,665.43             | 9,393.32              | 272.10                  | 35.521            |                    |         |
| 7,200.00                                | 6,965.01            | 6,979.01            | 6,979.01            | 35.83           | 241.91      | -22.32                | -1,285.98                         | -8,544.14  | 9,625.79             | 9,352.66              | 273.13                  | 35.242            |                    |         |
| 7,250.00                                | 6,990.82            | 7,004.82            | 7,004.82            | 36.26           | 242.82      | -24.43                | -1,285.98                         | -8,544.14  | 9,584.00             | 9,309.97              | 274.04                  | 34.973            |                    |         |
| 7,300.00                                | 7,013.20            | 7,027.20            | 7,027.20            | 36.72           | 243.60      | -27.35                | -1,285.98                         | -8,544.14  | 9,540.32             | 9,265.49              | 274.82                  | 34.714            |                    |         |
| 7,350.00                                | 7,032.02            | 7,046.02            | 7,046.02            | 37.23           | 244.25      | -31.47                | -1,285.98                         | -8,544.14  | 9,495.00             | 9,219.52              | 275.48                  | 34.467            |                    |         |
| 7,400.00                                | 7,047.15            | 7,061.15            | 7,061.15            | 37.77           | 244.78      | -37.45                | -1,285.98                         | -8,544.14  | 9,448.33             | 9,172.32              | 276.01                  | 34.232            |                    |         |
| 7,450.00                                | 7,058.51            | 7,072.51            | 7,072.51            | 38.34           | 245.18      | -46.41                | -1,285.98                         | -8,544.14  | 9,400.61             | 9,124.19              | 276.41                  | 34.009            |                    |         |
| 7,500.00                                | 7,066.02            | 7,080.02            | 7,080.02            | 38.95           | 245.44      | -60.12                | -1,285.98                         | -8,544.14  | 9,352.11             | 9,075.42              | 276.69                  | 33.800            |                    |         |
| 7,550.00                                | 7,069.64            | 7,083.64            | 7,083.64            | 39.58           | 245.57      | -80.03                | -1,285.98                         | -8,544.14  | 9,303.15             | 9,026.31              | 276.83                  | 33.605            |                    |         |
| 7,571.20                                | 7,070.00            | 7,084.00            | 7,084.00            | 39.85           | 245.58      | -89.97                | -1,285.98                         | -8,544.14  | 9,282.32             | 9,005.46              | 276.86                  | 33.527            |                    |         |
| 7,600.00                                | 7,070.00            | 7,084.00            | 7,084.00            | 40.23           | 245.58      | -89.97                | -1,285.98                         | -8,544.14  | 9,254.01             | 8,977.14              | 276.87                  | 33.423            |                    |         |
| 7,700.00                                | 7,070.01            | 7,084.01            | 7,084.01            | 41.64           | 245.58      | -89.97                | -1,285.98                         | -8,544.14  | 9,155.76             | 8,878.82              | 276.94                  | 33.061            |                    |         |
| 7,800.00                                | 7,070.02            | 7,084.02            | 7,084.02            | 43.20           | 245.58      | -89.97                | -1,285.98                         | -8,544.14  | 9,057.54             | 8,780.53              | 277.02                  | 32.697            |                    |         |
| 7,900.00                                | 7,070.03            | 7,084.03            | 7,084.03            | 44.89           | 245.58      | -89.97                | -1,285.98                         | -8,544.14  | 8,959.37             | 8,682.26              | 277.11                  | 32.332            |                    |         |
| 8,000.00                                | 7,070.04            | 7,084.04            | 7,084.04            | 46.69           | 245.58      | -89.97                | -1,285.98                         | -8,544.14  | 8,861.23             | 8,584.02              | 277.21                  | 31.966            |                    |         |
| 8,100.00                                | 7,070.05            | 7,084.05            | 7,084.05            | 48.60           | 245.58      | -89.97                | -1,285.98                         | -8,544.14  | 8,763.14             | 8,485.80              | 277.33                  | 31.598            |                    |         |
| 8,200.00                                | 7,070.05            | 7,084.05            | 7,084.05            | 50.59           | 245.58      | -89.97                | -1,285.98                         | -8,544.14  | 8,665.09             | 8,387.62              | 277.47                  | 31.229            |                    |         |
| 8,300.00                                | 7,070.06            | 7,084.06            | 7,084.06            | 52.66           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 8,567.08             | 8,289.46              | 277.62                  | 30.859            |                    |         |
| 8,400.00                                | 7,070.07            | 7,084.07            | 7,084.07            | 54.81           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 8,469.12             | 8,191.33              | 277.79                  | 30.487            |                    |         |
| 8,500.00                                | 7,070.08            | 7,084.08            | 7,084.08            | 57.02           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 8,371.21             | 8,093.23              | 277.98                  | 30.114            |                    |         |
| 8,600.00                                | 7,070.09            | 7,084.09            | 7,084.09            | 59.28           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 8,273.35             | 7,995.16              | 278.19                  | 29.740            |                    |         |
| 8,700.00                                | 7,070.10            | 7,084.10            | 7,084.10            | 61.60           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 8,175.54             | 7,897.12              | 278.42                  | 29.364            |                    |         |
| 8,800.00                                | 7,070.11            | 7,084.11            | 7,084.11            | 63.95           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 8,077.79             | 7,799.12              | 278.67                  | 28.987            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,084.12            | 7,084.12            | 66.35           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 7,980.09             | 7,701.15              | 278.94                  | 28.609            |                    |         |
| 9,000.00                                | 7,070.13            | 7,084.13            | 7,084.13            | 68.79           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 7,882.45             | 7,603.22              | 279.23                  | 28.229            |                    |         |
| 9,100.00                                | 7,070.13            | 7,084.13            | 7,084.13            | 71.25           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 7,784.87             | 7,505.32              | 279.55                  | 27.848            |                    |         |
| 9,200.00                                | 7,070.14            | 7,084.14            | 7,084.14            | 73.74           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 7,687.35             | 7,407.46              | 279.89                  | 27.466            |                    |         |
| 9,300.00                                | 7,070.15            | 7,084.15            | 7,084.15            | 76.26           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 7,589.89             | 7,309.64              | 280.26                  | 27.082            |                    |         |
| 9,400.00                                | 7,070.16            | 7,084.16            | 7,084.16            | 78.80           | 245.58      | -89.98                | -1,285.98                         | -8,544.14  | 7,492.51             | 7,211.85              | 280.65                  | 26.697            |                    |         |
| 9,500.00                                | 7,070.17            | 7,084.17            | 7,084.17            | 81.37           | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 7,395.19             | 7,114.11              | 281.07                  | 26.311            |                    |         |
| 9,600.00                                | 7,070.18            | 7,084.18            | 7,084.18            | 83.95           | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 7,297.94             | 7,016.42              | 281.52                  | 25.923            |                    |         |
| 9,700.00                                | 7,070.19            | 7,084.19            | 7,084.19            | 86.55           | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 7,200.77             | 6,918.77              | 282.00                  | 25.534            |                    |         |
| 9,800.00                                | 7,070.20            | 7,084.20            | 7,084.20            | 89.17           | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 7,103.68             | 6,821.17              | 282.51                  | 25.145            |                    |         |
| 9,900.00                                | 7,070.21            | 7,084.21            | 7,084.21            | 91.80           | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 7,006.67             | 6,723.62              | 283.05                  | 24.754            |                    |         |
| 10,000.00                               | 7,070.21            | 7,084.21            | 7,084.21            | 94.44           | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,909.75             | 6,626.12              | 283.63                  | 24.362            |                    |         |
| 10,100.00                               | 7,070.22            | 7,084.22            | 7,084.22            | 97.10           | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,812.91             | 6,528.67              | 284.24                  | 23.969            |                    |         |
| 10,200.00                               | 7,070.23            | 7,084.23            | 7,084.23            | 99.77           | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,716.17             | 6,431.28              | 284.89                  | 23.575            |                    |         |
| 10,300.00                               | 7,070.24            | 7,084.24            | 7,084.24            | 102.44          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,619.52             | 6,333.95              | 285.57                  | 23.180            |                    |         |
| 10,400.00                               | 7,070.25            | 7,084.25            | 7,084.25            | 105.13          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,522.98             | 6,236.68              | 286.29                  | 22.784            |                    |         |
| 10,500.00                               | 7,070.26            | 7,084.26            | 7,084.26            | 107.83          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,426.54             | 6,139.48              | 287.05                  | 22.388            |                    |         |
| 10,600.00                               | 7,070.27            | 7,084.27            | 7,084.27            | 110.53          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,330.21             | 6,042.35              | 287.86                  | 21.991            |                    |         |
| 10,700.00                               | 7,070.28            | 7,084.28            | 7,084.28            | 113.24          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,234.00             | 5,945.29              | 288.71                  | 21.593            |                    |         |
| 10,800.00                               | 7,070.28            | 7,084.28            | 7,084.28            | 115.96          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,137.90             | 5,848.31              | 289.60                  | 21.195            |                    |         |
| 10,900.00                               | 7,070.29            | 7,084.29            | 7,084.29            | 118.69          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 6,041.94             | 5,751.40              | 290.53                  | 20.796            |                    |         |
| 11,000.00                               | 7,070.30            | 7,084.30            | 7,084.30            | 121.42          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 5,946.11             | 5,654.59              | 291.52                  | 20.397            |                    |         |
| 11,100.00                               | 7,070.31            | 7,084.31            | 7,084.31            | 124.16          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 5,850.41             | 5,557.86              | 292.56                  | 19.998            |                    |         |
| 11,200.00                               | 7,070.32            | 7,084.32            | 7,084.32            | 126.90          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 5,754.87             | 5,461.22              | 293.64                  | 19.598            |                    |         |
| 11,300.00                               | 7,070.33            | 7,084.33            | 7,084.33            | 129.65          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 5,659.47             | 5,364.69              | 294.79                  | 19.198            |                    |         |
| 11,400.00                               | 7,070.34            | 7,084.34            | 7,084.34            | 132.40          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 5,564.24             | 5,268.26              | 295.99                  | 18.799            |                    |         |
| 11,500.00                               | 7,070.35            | 7,084.35            | 7,084.35            | 135.16          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 5,469.18             | 5,171.94              | 297.24                  | 18.400            |                    |         |
| 11,600.00                               | 7,070.36            | 7,084.36            | 7,084.36            | 137.92          | 245.59      | -89.98                | -1,285.98                         | -8,544.14  | 5,374.30             | 5,075.74              | 298.56                  | 18.001            |                    |         |
| 11,700.00                               | 7,070.36            | 7,084.36            | 7,084.36            | 140.69          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 5,279.61             | 4,979.66              | 299.95                  | 17.602            |                    |         |
| 11,800.00                               | 7,070.37            | 7,084.37            | 7,084.37            | 143.46          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 5,185.12             | 4,883.72              | 301.40                  | 17.204            |                    |         |
| 11,900.00                               | 7,070.38            | 7,084.38            | 7,084.38            | 146.23          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 5,090.84             | 4,787.92              | 302.91                  | 16.806            |                    |         |
| 12,000.00                               | 7,070.39            | 7,084.39            | 7,084.39            | 149.01          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 4,996.78             | 4,692.27              | 304.51                  | 16.409            |                    |         |
| 12,100.00                               | 7,070.40            | 7,084.40            | 7,084.40            | 151.79          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 4,902.95             | 4,596.78              | 306.17                  | 16.014            |                    |         |
| 12,200.00                               | 7,070.41            | 7,084.41            | 7,084.41            | 154.57          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 4,809.37             | 4,501.45              | 307.92                  | 15.619            |                    |         |
| 12,300.00                               | 7,070.42            | 7,084.42            | 7,084.42            | 157.35          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 4,716.06             | 4,406.31              | 309.75                  | 15.225            |                    |         |
| 12,400.00                               | 7,070.43            | 7,084.43            | 7,084.43            | 160.14          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 4,623.03             | 4,311.36              | 311.67                  | 14.833            |                    |         |
| 12,500.00                               | 7,070.44            | 7,084.44            | 7,084.44            | 162.93          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 4,530.29             | 4,216.61              | 313.68                  | 14.442            |                    |         |
| 12,600.00                               | 7,070.44            | 7,084.44            | 7,084.44            | 165.72          | 245.59      | -89.99                | -1,285.98                         | -8,544.14  | 4,437.87             | 4,122.09              | 315.79                  | 14.053            |                    |         |
| 12,700.00                               | 7,070.45            | 7,084.45            | 7,084.45            | 168.52          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 4,345.79             | 4,027.80              | 317.99                  | 13.666            |                    |         |
| 12,800.00                               | 7,070.46            | 7,084.46            | 7,084.46            | 171.32          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 4,254.06             | 3,933.76              | 320.31                  | 13.281            |                    |         |
| 12,900.00                               | 7,070.47            | 7,084.47            | 7,084.47            | 174.11          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 4,162.72             | 3,839.98              | 322.73                  | 12.898            |                    |         |
| 13,000.00                               | 7,070.48            | 7,084.48            | 7,084.48            | 176.92          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 4,071.78             | 3,746.50              | 325.27                  | 12.518            |                    |         |
| 13,100.00                               | 7,070.49            | 7,084.49            | 7,084.49            | 179.72          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,981.27             | 3,653.33              | 327.94                  | 12.140            |                    |         |
| 13,200.00                               | 7,070.50            | 7,084.50            | 7,084.50            | 182.52          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,891.23             | 3,560.50              | 330.73                  | 11.765            |                    |         |
| 13,300.00                               | 7,070.51            | 7,084.51            | 7,084.51            | 185.33          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,801.69             | 3,468.02              | 333.67                  | 11.394            |                    |         |
| 13,400.00                               | 7,070.52            | 7,084.52            | 7,084.52            | 188.14          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,712.68             | 3,375.93              | 336.75                  | 11.025            |                    |         |
| 13,500.00                               | 7,070.52            | 7,084.52            | 7,084.52            | 190.95          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,624.24             | 3,284.27              | 339.98                  | 10.660            |                    |         |
| 13,600.00                               | 7,070.53            | 7,084.53            | 7,084.53            | 193.76          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,536.43             | 3,193.06              | 343.37                  | 10.299            |                    |         |
| 13,700.00                               | 7,070.54            | 7,084.54            | 7,084.54            | 196.57          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,449.27             | 3,102.34              | 346.93                  | 9.942             |                    |         |
| 13,800.00                               | 7,070.55            | 7,084.55            | 7,084.55            | 199.38          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,362.83             | 3,012.16              | 350.67                  | 9.590             |                    |         |
| 13,900.00                               | 7,070.56            | 7,084.56            | 7,084.56            | 202.20          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,277.16             | 2,922.57              | 354.59                  | 9.242             |                    |         |
| 14,000.00                               | 7,070.57            | 7,084.57            | 7,084.57            | 205.01          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,192.33             | 2,833.61              | 358.72                  | 8.899             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00                               | 7,070.58            | 7,084.58            | 7,084.58            | 207.83          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,108.39             | 2,745.35              | 363.05                  | 8.562             |                    |         |
| 14,200.00                               | 7,070.59            | 7,084.59            | 7,084.59            | 210.65          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 3,025.44             | 2,657.84              | 367.59                  | 8.230             |                    |         |
| 14,300.00                               | 7,070.60            | 7,084.60            | 7,084.60            | 213.47          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 2,943.54             | 2,571.17              | 372.36                  | 7.905             |                    |         |
| 14,400.00                               | 7,070.60            | 7,084.60            | 7,084.60            | 216.29          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 2,862.79             | 2,485.42              | 377.37                  | 7.586             |                    |         |
| 14,500.00                               | 7,070.61            | 7,084.61            | 7,084.61            | 219.11          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 2,783.30             | 2,400.67              | 382.63                  | 7.274             |                    |         |
| 14,600.00                               | 7,070.62            | 7,084.62            | 7,084.62            | 221.94          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 2,705.16             | 2,317.03              | 388.13                  | 6.970             |                    |         |
| 14,700.00                               | 7,070.63            | 7,084.63            | 7,084.63            | 224.76          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 2,628.51             | 2,234.61              | 393.90                  | 6.673             |                    |         |
| 14,800.00                               | 7,070.64            | 7,084.64            | 7,084.64            | 227.58          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 2,553.47             | 2,153.54              | 399.93                  | 6.385             |                    |         |
| 14,900.00                               | 7,070.65            | 7,084.65            | 7,084.65            | 230.41          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 2,480.20             | 2,073.97              | 406.23                  | 6.105             |                    |         |
| 15,000.00                               | 7,070.66            | 7,084.66            | 7,084.66            | 233.24          | 245.60      | -89.99                | -1,285.98                         | -8,544.14  | 2,408.85             | 1,996.05              | 412.80                  | 5.835             |                    |         |
| 15,100.00                               | 7,070.67            | 7,084.67            | 7,084.67            | 236.06          | 245.60      | -90.00                | -1,285.98                         | -8,544.14  | 2,339.59             | 1,919.97              | 419.62                  | 5.575             |                    |         |
| 15,200.00                               | 7,070.68            | 7,084.68            | 7,084.68            | 238.89          | 245.60      | -90.00                | -1,285.98                         | -8,544.14  | 2,272.63             | 1,845.94              | 426.70                  | 5.326             |                    |         |
| 15,300.00                               | 7,070.68            | 7,084.68            | 7,084.68            | 241.72          | 245.60      | -90.00                | -1,285.98                         | -8,544.14  | 2,208.17             | 1,774.17              | 434.00                  | 5.088             |                    |         |
| 15,400.00                               | 7,070.69            | 7,084.69            | 7,084.69            | 244.55          | 245.60      | -90.00                | -1,285.98                         | -8,544.14  | 2,146.43             | 1,704.92              | 441.52                  | 4.861             |                    |         |
| 15,500.00                               | 7,070.70            | 7,084.70            | 7,084.70            | 247.38          | 245.60      | -90.00                | -1,285.98                         | -8,544.14  | 2,087.66             | 1,638.46              | 449.20                  | 4.647             |                    |         |
| 15,600.00                               | 7,070.71            | 7,084.71            | 7,084.71            | 250.21          | 245.60      | -90.00                | -1,285.98                         | -8,544.14  | 2,032.11             | 1,575.10              | 457.01                  | 4.447             |                    |         |
| 15,700.00                               | 7,070.72            | 7,084.72            | 7,084.72            | 253.04          | 245.60      | -90.00                | -1,285.98                         | -8,544.14  | 1,980.06             | 1,515.17              | 464.89                  | 4.259             |                    |         |
| 15,800.00                               | 7,070.73            | 7,084.73            | 7,084.73            | 255.87          | 245.60      | -90.00                | -1,285.98                         | -8,544.14  | 1,931.79             | 1,459.02              | 472.77                  | 4.086             |                    |         |
| 15,900.00                               | 7,070.74            | 7,084.74            | 7,084.74            | 258.71          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,887.58             | 1,407.02              | 480.56                  | 3.928             |                    |         |
| 16,000.00                               | 7,070.75            | 7,084.75            | 7,084.75            | 261.54          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,847.74             | 1,359.57              | 488.16                  | 3.785             |                    |         |
| 16,100.00                               | 7,070.76            | 7,084.76            | 7,084.76            | 264.37          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,812.54             | 1,317.05              | 495.48                  | 3.658             |                    |         |
| 16,200.00                               | 7,070.76            | 7,084.76            | 7,084.76            | 267.21          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,782.26             | 1,279.87              | 502.39                  | 3.548             |                    |         |
| 16,300.00                               | 7,070.77            | 7,084.77            | 7,084.77            | 270.04          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,757.16             | 1,248.38              | 508.78                  | 3.454             |                    |         |
| 16,400.00                               | 7,070.78            | 7,084.78            | 7,084.78            | 272.88          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,737.46             | 1,222.93              | 514.53                  | 3.377             |                    |         |
| 16,500.00                               | 7,070.79            | 7,084.79            | 7,084.79            | 275.71          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,723.35             | 1,203.80              | 519.54                  | 3.317             |                    |         |
| 16,600.00                               | 7,070.80            | 7,084.80            | 7,084.80            | 278.55          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,714.96             | 1,191.24              | 523.72                  | 3.275             |                    |         |
| 16,694.21                               | 7,070.81            | 7,084.81            | 7,084.81            | 281.22          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,712.37             | 1,185.54              | 526.83                  | 3.250 CC          |                    |         |
| 16,700.00                               | 7,070.81            | 7,084.81            | 7,084.81            | 281.39          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,712.38             | 1,185.38              | 526.99                  | 3.249 ES          |                    |         |
| 16,800.00                               | 7,070.82            | 7,084.82            | 7,084.82            | 284.22          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,715.63             | 1,186.31              | 529.33                  | 3.241 SF          |                    |         |
| 16,900.00                               | 7,070.83            | 7,084.83            | 7,084.83            | 287.06          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,724.69             | 1,193.99              | 530.70                  | 3.250             |                    |         |
| 17,000.00                               | 7,070.84            | 7,084.84            | 7,084.84            | 289.90          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,739.46             | 1,208.32              | 531.14                  | 3.275             |                    |         |
| 17,100.00                               | 7,070.84            | 7,084.84            | 7,084.84            | 292.74          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,759.79             | 1,229.11              | 530.68                  | 3.316             |                    |         |
| 17,200.00                               | 7,070.85            | 7,084.85            | 7,084.85            | 295.58          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,785.51             | 1,256.12              | 529.39                  | 3.373             |                    |         |
| 17,300.00                               | 7,070.86            | 7,084.86            | 7,084.86            | 298.42          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,816.37             | 1,289.02              | 527.35                  | 3.444             |                    |         |
| 17,400.00                               | 7,070.87            | 7,084.87            | 7,084.87            | 301.26          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,852.12             | 1,327.47              | 524.65                  | 3.530             |                    |         |
| 17,500.00                               | 7,070.88            | 7,084.88            | 7,084.88            | 304.10          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,892.49             | 1,371.10              | 521.39                  | 3.630             |                    |         |
| 17,600.00                               | 7,070.89            | 7,084.89            | 7,084.89            | 306.94          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,937.18             | 1,419.51              | 517.67                  | 3.742             |                    |         |
| 17,700.00                               | 7,070.90            | 7,084.90            | 7,084.90            | 309.78          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 1,985.91             | 1,472.32              | 513.58                  | 3.867             |                    |         |
| 17,800.00                               | 7,070.91            | 7,084.91            | 7,084.91            | 312.62          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 2,038.38             | 1,529.16              | 509.22                  | 4.003             |                    |         |
| 17,900.00                               | 7,070.92            | 7,084.92            | 7,084.92            | 315.46          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 2,094.31             | 1,589.65              | 504.66                  | 4.150             |                    |         |
| 18,000.00                               | 7,070.92            | 7,084.92            | 7,084.92            | 318.31          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 2,153.44             | 1,653.47              | 499.97                  | 4.307             |                    |         |
| 18,100.00                               | 7,070.93            | 7,084.93            | 7,084.93            | 321.15          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 2,215.51             | 1,720.30              | 495.21                  | 4.474             |                    |         |
| 18,200.00                               | 7,070.94            | 7,084.94            | 7,084.94            | 323.99          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 2,280.27             | 1,789.84              | 490.42                  | 4.650             |                    |         |
| 18,300.00                               | 7,070.95            | 7,084.95            | 7,084.95            | 326.83          | 245.61      | -90.00                | -1,285.98                         | -8,544.14  | 2,347.51             | 1,861.84              | 485.66                  | 4.834             |                    |         |
| 18,400.00                               | 7,070.96            | 7,084.96            | 7,084.96            | 329.68          | 245.61      | -90.01                | -1,285.98                         | -8,544.14  | 2,417.01             | 1,936.06              | 480.95                  | 5.025             |                    |         |
| 18,500.00                               | 7,070.97            | 7,084.97            | 7,084.97            | 332.52          | 245.61      | -90.01                | -1,285.98                         | -8,544.14  | 2,488.59             | 2,012.27              | 476.33                  | 5.225             |                    |         |
| 18,600.00                               | 7,070.98            | 7,084.98            | 7,084.98            | 335.36          | 245.61      | -90.01                | -1,285.98                         | -8,544.14  | 2,562.08             | 2,090.29              | 471.80                  | 5.430             |                    |         |
| 18,700.00                               | 7,070.99            | 7,084.99            | 7,084.99            | 338.21          | 245.61      | -90.01                | -1,285.98                         | -8,544.14  | 2,637.31             | 2,169.93              | 467.38                  | 5.643             |                    |         |
| 18,800.00                               | 7,070.99            | 7,084.99            | 7,084.99            | 341.05          | 245.61      | -90.01                | -1,285.98                         | -8,544.14  | 2,714.14             | 2,251.05              | 463.09                  | 5.861             |                    |         |
| 18,858.54                               | 7,071.00            | 7,085.00            | 7,085.00            | 342.72          | 245.61      | -90.01                | -1,285.98                         | -8,544.14  | 2,759.81             | 2,299.17              | 460.64                  | 5.991             |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 26.00               | 26.00               | 3.28            | 3.31        | -80.48                | 1,413.85                          | -8,427.80  | 8,545.57             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 126.00              | 126.00              | 3.28            | 4.22        | -80.48                | 1,413.85                          | -8,427.80  | 8,545.57             | 8,538.07              | 7.50                    | 1,138.890         |                    |         |
| 200.00                                  | 200.00              | 226.00              | 226.00              | 3.34            | 6.96        | -80.48                | 1,413.85                          | -8,427.80  | 8,545.57             | 8,535.27              | 10.30                   | 829.516           |                    |         |
| 300.00                                  | 300.00              | 326.00              | 326.00              | 3.44            | 10.18       | -80.48                | 1,413.85                          | -8,427.80  | 8,545.57             | 8,531.95              | 13.62                   | 627.287           |                    |         |
| 400.00                                  | 399.98              | 425.98              | 425.98              | 3.60            | 13.53       | -152.97               | 1,413.85                          | -8,427.80  | 8,547.13             | 8,530.00              | 17.13                   | 498.956           |                    |         |
| 500.00                                  | 499.84              | 525.84              | 525.84              | 3.80            | 16.93       | -152.94               | 1,413.85                          | -8,427.80  | 8,551.79             | 8,531.06              | 20.73                   | 412.465           |                    |         |
| 600.00                                  | 599.45              | 625.45              | 625.45              | 4.04            | 20.36       | -152.90               | 1,413.85                          | -8,427.80  | 8,559.56             | 8,535.16              | 24.40                   | 350.854           |                    |         |
| 700.00                                  | 698.70              | 724.70              | 724.70              | 4.32            | 23.78       | -152.83               | 1,413.85                          | -8,427.80  | 8,570.42             | 8,542.32              | 28.10                   | 305.033           |                    |         |
| 800.00                                  | 797.47              | 823.47              | 823.47              | 4.63            | 27.20       | -152.75               | 1,413.85                          | -8,427.80  | 8,584.37             | 8,552.55              | 31.82                   | 269.784           |                    |         |
| 900.00                                  | 895.62              | 921.62              | 921.62              | 4.97            | 30.60       | -152.65               | 1,413.85                          | -8,427.80  | 8,601.39             | 8,565.84              | 35.55                   | 241.930           |                    |         |
| 924.00                                  | 919.08              | 945.08              | 945.08              | 5.06            | 31.42       | -152.63               | 1,413.85                          | -8,427.80  | 8,605.93             | 8,569.48              | 36.45                   | 236.081           |                    |         |
| 1,000.00                                | 993.28              | 1,019.28            | 1,019.28            | 5.34            | 34.00       | -152.68               | 1,413.85                          | -8,427.80  | 8,620.59             | 8,581.30              | 39.29                   | 219.388           |                    |         |
| 1,100.00                                | 1,090.92            | 1,116.92            | 1,116.92            | 5.73            | 37.39       | -152.74               | 1,413.85                          | -8,427.80  | 8,639.89             | 8,596.84              | 43.05                   | 200.699           |                    |         |
| 1,200.00                                | 1,188.56            | 1,214.56            | 1,214.56            | 6.15            | 40.79       | -152.81               | 1,413.85                          | -8,427.80  | 8,659.20             | 8,612.38              | 46.82                   | 184.939           |                    |         |
| 1,300.00                                | 1,286.19            | 1,312.19            | 1,312.19            | 6.57            | 44.19       | -152.87               | 1,413.85                          | -8,427.80  | 8,678.52             | 8,627.91              | 50.61                   | 171.481           |                    |         |
| 1,400.00                                | 1,383.83            | 1,409.83            | 1,409.83            | 7.01            | 47.58       | -152.94               | 1,413.85                          | -8,427.80  | 8,697.85             | 8,643.44              | 54.41                   | 159.862           |                    |         |
| 1,500.00                                | 1,481.47            | 1,507.47            | 1,507.47            | 7.46            | 50.99       | -153.00               | 1,413.85                          | -8,427.80  | 8,717.19             | 8,658.98              | 58.22                   | 149.735           |                    |         |
| 1,600.00                                | 1,579.10            | 1,605.10            | 1,605.10            | 7.91            | 54.39       | -153.06               | 1,413.85                          | -8,427.80  | 8,736.55             | 8,674.51              | 62.03                   | 140.833           |                    |         |
| 1,700.00                                | 1,676.74            | 1,702.74            | 1,702.74            | 8.37            | 57.79       | -153.13               | 1,413.85                          | -8,427.80  | 8,755.91             | 8,690.05              | 65.86                   | 132.949           |                    |         |
| 1,800.00                                | 1,774.38            | 1,800.38            | 1,800.38            | 8.84            | 61.19       | -153.19               | 1,413.85                          | -8,427.80  | 8,775.29             | 8,705.60              | 69.69                   | 125.920           |                    |         |
| 1,900.00                                | 1,872.02            | 1,901.98            | 1,898.02            | 9.31            | 64.74       | -153.25               | 1,413.85                          | -8,427.80  | 8,794.67             | 8,721.01              | 73.66                   | 119.391           |                    |         |
| 2,000.00                                | 1,969.65            | 2,004.35            | 1,995.65            | 9.79            | 68.31       | -153.32               | 1,413.85                          | -8,427.80  | 8,814.07             | 8,736.40              | 77.67                   | 113.485           |                    |         |
| 2,100.00                                | 2,067.29            | 2,106.71            | 2,093.29            | 10.27           | 71.87       | -153.38               | 1,413.85                          | -8,427.80  | 8,833.47             | 8,751.80              | 81.68                   | 108.154           |                    |         |
| 2,200.00                                | 2,164.93            | 2,209.07            | 2,190.93            | 10.75           | 75.44       | -153.44               | 1,413.85                          | -8,427.80  | 8,852.89             | 8,767.20              | 85.69                   | 103.317           |                    |         |
| 2,300.00                                | 2,262.56            | 2,288.56            | 2,288.56            | 11.24           | 78.22       | -153.50               | 1,413.85                          | -8,427.80  | 8,872.31             | 8,783.41              | 88.90                   | 99.798            |                    |         |
| 2,400.00                                | 2,360.20            | 2,386.20            | 2,386.20            | 11.73           | 81.62       | -153.57               | 1,413.85                          | -8,427.80  | 8,891.75             | 8,798.99              | 92.75                   | 95.863            |                    |         |
| 2,500.00                                | 2,457.84            | 2,483.84            | 2,483.84            | 12.22           | 85.03       | -153.63               | 1,413.85                          | -8,427.80  | 8,911.19             | 8,814.59              | 96.61                   | 92.240            |                    |         |
| 2,600.00                                | 2,555.48            | 2,581.48            | 2,581.48            | 12.71           | 88.43       | -153.69               | 1,413.85                          | -8,427.80  | 8,930.65             | 8,830.19              | 100.46                  | 88.894            |                    |         |
| 2,700.00                                | 2,653.11            | 2,679.11            | 2,679.11            | 13.20           | 91.84       | -153.75               | 1,413.85                          | -8,427.80  | 8,950.12             | 8,845.79              | 104.32                  | 85.793            |                    |         |
| 2,800.00                                | 2,750.75            | 2,776.75            | 2,776.75            | 13.70           | 95.25       | -153.81               | 1,413.85                          | -8,427.80  | 8,969.59             | 8,861.41              | 108.18                  | 82.913            |                    |         |
| 2,900.00                                | 2,848.39            | 2,874.39            | 2,874.39            | 14.19           | 98.65       | -153.87               | 1,413.85                          | -8,427.80  | 8,989.08             | 8,877.03              | 112.04                  | 80.230            |                    |         |
| 3,000.00                                | 2,946.02            | 2,972.02            | 2,972.02            | 14.69           | 102.06      | -153.93               | 1,413.85                          | -8,427.80  | 9,008.57             | 8,892.67              | 115.90                  | 77.725            |                    |         |
| 3,100.00                                | 3,043.66            | 3,069.66            | 3,069.66            | 15.19           | 105.47      | -153.99               | 1,413.85                          | -8,427.80  | 9,028.08             | 8,908.31              | 119.77                  | 75.381            |                    |         |
| 3,200.00                                | 3,141.30            | 3,167.30            | 3,167.30            | 15.69           | 108.87      | -154.05               | 1,413.85                          | -8,427.80  | 9,047.59             | 8,923.96              | 123.63                  | 73.183            |                    |         |
| 3,300.00                                | 3,238.94            | 3,264.94            | 3,264.94            | 16.19           | 112.28      | -154.11               | 1,413.85                          | -8,427.80  | 9,067.11             | 8,939.62              | 127.49                  | 71.118            |                    |         |
| 3,400.00                                | 3,336.57            | 3,362.57            | 3,362.57            | 16.69           | 115.69      | -154.17               | 1,413.85                          | -8,427.80  | 9,086.65             | 8,955.29              | 131.36                  | 69.174            |                    |         |
| 3,500.00                                | 3,434.21            | 3,460.21            | 3,460.21            | 17.19           | 119.10      | -154.23               | 1,413.85                          | -8,427.80  | 9,106.19             | 8,970.96              | 135.23                  | 67.341            |                    |         |
| 3,600.00                                | 3,531.85            | 3,557.85            | 3,557.85            | 17.69           | 122.50      | -154.29               | 1,413.85                          | -8,427.80  | 9,125.74             | 8,986.65              | 139.09                  | 65.609            |                    |         |
| 3,700.00                                | 3,629.48            | 3,655.48            | 3,655.48            | 18.20           | 125.91      | -154.35               | 1,413.85                          | -8,427.80  | 9,145.30             | 9,002.34              | 142.96                  | 63.971            |                    |         |
| 3,800.00                                | 3,727.12            | 3,753.12            | 3,753.12            | 18.70           | 129.32      | -154.40               | 1,413.85                          | -8,427.80  | 9,164.87             | 9,018.04              | 146.83                  | 62.419            |                    |         |
| 3,900.00                                | 3,824.76            | 3,850.76            | 3,850.76            | 19.21           | 132.73      | -154.46               | 1,413.85                          | -8,427.80  | 9,184.45             | 9,033.75              | 150.70                  | 60.947            |                    |         |
| 4,000.00                                | 3,922.40            | 3,948.40            | 3,948.40            | 19.71           | 136.13      | -154.52               | 1,413.85                          | -8,427.80  | 9,204.04             | 9,049.47              | 154.57                  | 59.548            |                    |         |
| 4,100.00                                | 4,020.03            | 4,046.03            | 4,046.03            | 20.21           | 139.54      | -154.58               | 1,413.85                          | -8,427.80  | 9,223.64             | 9,065.20              | 158.44                  | 58.217            |                    |         |
| 4,200.00                                | 4,117.67            | 4,143.67            | 4,143.67            | 20.72           | 142.95      | -154.64               | 1,413.85                          | -8,427.80  | 9,243.24             | 9,080.94              | 162.31                  | 56.950            |                    |         |
| 4,300.00                                | 4,215.31            | 4,241.31            | 4,241.31            | 21.23           | 146.36      | -154.69               | 1,413.85                          | -8,427.80  | 9,262.86             | 9,096.68              | 166.18                  | 55.741            |                    |         |
| 4,400.00                                | 4,312.94            | 4,338.94            | 4,338.94            | 21.73           | 149.76      | -154.75               | 1,413.85                          | -8,427.80  | 9,282.48             | 9,112.44              | 170.05                  | 54.588            |                    |         |
| 4,500.00                                | 4,410.58            | 4,436.58            | 4,436.58            | 22.24           | 153.17      | -154.81               | 1,413.85                          | -8,427.80  | 9,302.12             | 9,128.20              | 173.92                  | 53.486            |                    |         |
| 4,600.00                                | 4,508.22            | 4,534.22            | 4,534.22            | 22.75           | 156.58      | -154.86               | 1,413.85                          | -8,427.80  | 9,321.76             | 9,143.97              | 177.79                  | 52.432            |                    |         |
| 4,700.00                                | 4,605.86            | 4,631.86            | 4,631.86            | 23.25           | 159.99      | -154.92               | 1,413.85                          | -8,427.80  | 9,341.41             | 9,159.75              | 181.66                  | 51.422            |                    |         |
| 4,800.00                                | 4,703.49            | 4,729.49            | 4,729.49            | 23.76           | 163.39      | -154.97               | 1,413.85                          | -8,427.80  | 9,361.07             | 9,175.53              | 185.53                  | 50.455            |                    |         |
| 4,900.00                                | 4,801.13            | 4,827.13            | 4,827.13            | 24.27           | 166.80      | -155.03               | 1,413.85                          | -8,427.80  | 9,380.73             | 9,191.33              | 189.40                  | 49.528            |                    |         |
| 5,000.00                                | 4,898.77            | 4,924.77            | 4,924.77            | 24.77           | 170.21      | -155.08               | 1,413.85                          | -8,427.80  | 9,400.41             | 9,207.13              | 193.28                  | 48.637            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,022.40            | 5,022.40            | 25.28           | 173.62      | -155.14               | 1,413.85                          | -8,427.80  | 9,420.10             | 9,222.95              | 197.15                  | 47.782            |                    |         |
| 5,200.00                                | 5,094.04            | 5,120.04            | 5,120.04            | 25.79           | 177.03      | -155.19               | 1,413.85                          | -8,427.80  | 9,439.79             | 9,238.77              | 201.02                  | 46.959            |                    |         |
| 5,300.00                                | 5,191.68            | 5,217.68            | 5,217.68            | 26.30           | 180.43      | -155.25               | 1,413.85                          | -8,427.80  | 9,459.49             | 9,254.60              | 204.89                  | 46.168            |                    |         |
| 5,400.00                                | 5,289.32            | 5,315.32            | 5,315.32            | 26.81           | 183.84      | -155.30               | 1,413.85                          | -8,427.80  | 9,479.20             | 9,270.43              | 208.77                  | 45.405            |                    |         |
| 5,500.00                                | 5,386.95            | 5,412.95            | 5,412.95            | 27.32           | 187.25      | -155.36               | 1,413.85                          | -8,427.80  | 9,498.92             | 9,286.28              | 212.64                  | 44.671            |                    |         |
| 5,600.00                                | 5,484.59            | 5,510.59            | 5,510.59            | 27.83           | 190.66      | -155.41               | 1,413.85                          | -8,427.80  | 9,518.64             | 9,302.13              | 216.51                  | 43.963            |                    |         |
| 5,700.00                                | 5,582.23            | 5,608.23            | 5,608.23            | 28.33           | 194.07      | -155.47               | 1,413.85                          | -8,427.80  | 9,538.38             | 9,317.99              | 220.39                  | 43.280            |                    |         |
| 5,800.00                                | 5,679.87            | 5,705.87            | 5,705.87            | 28.84           | 197.47      | -155.52               | 1,413.85                          | -8,427.80  | 9,558.12             | 9,333.86              | 224.26                  | 42.620            |                    |         |
| 5,900.00                                | 5,777.50            | 5,803.50            | 5,803.50            | 29.35           | 200.88      | -155.57               | 1,413.85                          | -8,427.80  | 9,577.87             | 9,349.74              | 228.14                  | 41.983            |                    |         |
| 6,000.00                                | 5,875.14            | 5,901.14            | 5,901.14            | 29.86           | 204.29      | -155.63               | 1,413.85                          | -8,427.80  | 9,597.63             | 9,365.62              | 232.01                  | 41.367            |                    |         |
| 6,100.00                                | 5,972.78            | 6,001.22            | 5,998.78            | 30.37           | 207.78      | -155.68               | 1,413.85                          | -8,427.80  | 9,617.40             | 9,381.43              | 235.97                  | 40.757            |                    |         |
| 6,200.00                                | 6,070.41            | 6,103.59            | 6,096.41            | 30.88           | 211.36      | -155.73               | 1,413.85                          | -8,427.80  | 9,637.17             | 9,397.16              | 240.01                  | 40.153            |                    |         |
| 6,300.00                                | 6,168.05            | 6,205.95            | 6,194.05            | 31.39           | 214.93      | -155.78               | 1,413.85                          | -8,427.80  | 9,656.95             | 9,412.91              | 244.05                  | 39.570            |                    |         |
| 6,400.00                                | 6,265.69            | 6,308.31            | 6,291.69            | 31.90           | 218.50      | -155.84               | 1,413.85                          | -8,427.80  | 9,676.74             | 9,428.66              | 248.09                  | 39.005            |                    |         |
| 6,439.09                                | 6,303.85            | 6,329.85            | 6,329.85            | 32.10           | 219.25      | -155.86               | 1,413.85                          | -8,427.80  | 9,684.48             | 9,435.46              | 249.02                  | 38.890            |                    |         |
| 6,450.00                                | 6,314.53            | 6,340.53            | 6,340.53            | 32.16           | 219.63      | -154.41               | 1,413.85                          | -8,427.80  | 9,686.55             | 9,437.11              | 249.44                  | 38.832            |                    |         |
| 6,500.00                                | 6,363.83            | 6,389.83            | 6,389.83            | 32.39           | 221.35      | -143.09               | 1,413.85                          | -8,427.80  | 9,693.69             | 9,442.30              | 251.39                  | 38.560            |                    |         |
| 6,550.00                                | 6,413.58            | 6,439.58            | 6,439.58            | 32.60           | 223.08      | -110.57               | 1,413.85                          | -8,427.80  | 9,696.94             | 9,443.60              | 253.34                  | 38.277            |                    |         |
| 6,600.00                                | 6,463.45            | 6,489.45            | 6,489.45            | 32.79           | 224.83      | -49.74                | 1,413.85                          | -8,427.80  | 9,696.30             | 9,441.03              | 255.27                  | 37.985            |                    |         |
| 6,650.00                                | 6,513.15            | 6,539.15            | 6,539.15            | 32.97           | 226.56      | -22.21                | 1,413.85                          | -8,427.80  | 9,691.76             | 9,434.58              | 257.17                  | 37.686            |                    |         |
| 6,700.00                                | 6,562.37            | 6,588.37            | 6,588.37            | 33.15           | 228.28      | -12.14                | 1,413.85                          | -8,427.80  | 9,683.34             | 9,424.30              | 259.04                  | 37.381            |                    |         |
| 6,750.00                                | 6,610.80            | 6,636.80            | 6,636.80            | 33.34           | 229.97      | -7.21                 | 1,413.85                          | -8,427.80  | 9,671.12             | 9,410.25              | 260.87                  | 37.073            |                    |         |
| 6,800.00                                | 6,658.14            | 6,684.14            | 6,684.14            | 33.53           | 231.62      | -4.26                 | 1,413.85                          | -8,427.80  | 9,655.15             | 9,392.51              | 262.64                  | 36.762            |                    |         |
| 6,850.00                                | 6,704.11            | 6,730.11            | 6,730.11            | 33.74           | 233.23      | -2.25                 | 1,413.85                          | -8,427.80  | 9,635.53             | 9,371.18              | 264.35                  | 36.450            |                    |         |
| 6,900.00                                | 6,748.42            | 6,774.42            | 6,774.42            | 33.97           | 234.77      | -0.74                 | 1,413.85                          | -8,427.80  | 9,612.39             | 9,346.42              | 265.98                  | 36.140            |                    |         |
| 6,950.00                                | 6,790.79            | 6,816.79            | 6,816.79            | 34.21           | 236.25      | 0.52                  | 1,413.85                          | -8,427.80  | 9,585.88             | 9,318.35              | 267.53                  | 35.831            |                    |         |
| 7,000.00                                | 6,830.97            | 6,856.97            | 6,856.97            | 34.48           | 237.65      | 1.63                  | 1,413.85                          | -8,427.80  | 9,556.14             | 9,287.15              | 268.99                  | 35.527            |                    |         |
| 7,050.00                                | 6,868.71            | 6,905.30            | 6,894.71            | 34.77           | 239.34      | 2.71                  | 1,413.85                          | -8,427.80  | 9,523.37             | 9,252.66              | 270.71                  | 35.179            |                    |         |
| 7,100.00                                | 6,903.77            | 6,929.77            | 6,929.77            | 35.09           | 240.20      | 3.82                  | 1,413.85                          | -8,427.80  | 9,487.77             | 9,216.17              | 271.60                  | 34.933            |                    |         |
| 7,150.00                                | 6,935.93            | 6,961.93            | 6,961.93            | 35.44           | 241.32      | 5.04                  | 1,413.85                          | -8,427.80  | 9,449.55             | 9,176.82              | 272.74                  | 34.647            |                    |         |
| 7,200.00                                | 6,965.01            | 7,008.99            | 6,991.01            | 35.83           | 242.96      | 6.46                  | 1,413.85                          | -8,427.80  | 9,408.96             | 9,134.57              | 274.39                  | 34.290            |                    |         |
| 7,250.00                                | 6,990.82            | 7,016.82            | 7,016.82            | 36.26           | 243.23      | 8.22                  | 1,413.85                          | -8,427.80  | 9,366.25             | 9,091.58              | 274.67                  | 34.100            |                    |         |
| 7,300.00                                | 7,013.20            | 7,039.20            | 7,039.20            | 36.72           | 244.02      | 10.52                 | 1,413.85                          | -8,427.80  | 9,321.67             | 9,046.23              | 275.45                  | 33.842            |                    |         |
| 7,350.00                                | 7,032.02            | 7,058.02            | 7,058.02            | 37.23           | 244.67      | 13.74                 | 1,413.85                          | -8,427.80  | 9,275.51             | 8,999.41              | 276.10                  | 33.595            |                    |         |
| 7,400.00                                | 7,047.15            | 7,073.15            | 7,073.15            | 37.77           | 245.20      | 18.62                 | 1,413.85                          | -8,427.80  | 9,228.04             | 8,951.42              | 276.62                  | 33.360            |                    |         |
| 7,450.00                                | 7,058.51            | 7,084.51            | 7,084.51            | 38.34           | 245.60      | 26.79                 | 1,413.85                          | -8,427.80  | 9,179.57             | 8,902.56              | 277.01                  | 33.137            |                    |         |
| 7,500.00                                | 7,066.02            | 7,107.98            | 7,092.02            | 38.95           | 246.42      | 42.27                 | 1,413.85                          | -8,427.80  | 9,130.39             | 8,852.55              | 277.83                  | 32.863            |                    |         |
| 7,550.00                                | 7,069.64            | 7,104.36            | 7,095.64            | 39.58           | 246.29      | 72.73                 | 1,413.85                          | -8,427.80  | 9,080.80             | 8,803.09              | 277.71                  | 32.698            |                    |         |
| 7,571.20                                | 7,070.00            | 7,104.00            | 7,096.00            | 39.85           | 246.28      | 89.95                 | 1,413.85                          | -8,427.80  | 9,059.73             | 8,782.03              | 277.71                  | 32.623            |                    |         |
| 7,600.00                                | 7,070.00            | 7,104.00            | 7,096.00            | 40.23           | 246.28      | 89.95                 | 1,413.85                          | -8,427.80  | 9,031.10             | 8,753.39              | 277.71                  | 32.519            |                    |         |
| 7,700.00                                | 7,070.01            | 7,103.99            | 7,096.01            | 41.64           | 246.28      | 89.95                 | 1,413.85                          | -8,427.80  | 8,931.71             | 8,653.96              | 277.74                  | 32.158            |                    |         |
| 7,800.00                                | 7,070.02            | 7,103.98            | 7,096.02            | 43.20           | 246.28      | 89.95                 | 1,413.85                          | -8,427.80  | 8,832.33             | 8,554.55              | 277.78                  | 31.796            |                    |         |
| 7,900.00                                | 7,070.03            | 7,103.97            | 7,096.03            | 44.89           | 246.28      | 89.96                 | 1,413.85                          | -8,427.80  | 8,732.96             | 8,455.14              | 277.82                  | 31.434            |                    |         |
| 8,000.00                                | 7,070.04            | 7,103.96            | 7,096.04            | 46.69           | 246.28      | 89.96                 | 1,413.85                          | -8,427.80  | 8,633.61             | 8,355.74              | 277.86                  | 31.071            |                    |         |
| 8,100.00                                | 7,070.05            | 7,103.96            | 7,096.05            | 48.60           | 246.28      | 89.96                 | 1,413.85                          | -8,427.80  | 8,534.27             | 8,256.35              | 277.92                  | 30.708            |                    |         |
| 8,200.00                                | 7,070.05            | 7,103.95            | 7,096.05            | 50.59           | 246.28      | 89.96                 | 1,413.85                          | -8,427.80  | 8,434.95             | 8,156.97              | 277.98                  | 30.344            |                    |         |
| 8,300.00                                | 7,070.06            | 7,103.94            | 7,096.06            | 52.66           | 246.28      | 89.96                 | 1,413.85                          | -8,427.80  | 8,335.65             | 8,057.60              | 278.04                  | 29.980            |                    |         |
| 8,400.00                                | 7,070.07            | 7,103.93            | 7,096.07            | 54.81           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 8,236.36             | 7,958.24              | 278.12                  | 29.615            |                    |         |
| 8,500.00                                | 7,070.08            | 7,103.92            | 7,096.08            | 57.02           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 8,137.09             | 7,858.89              | 278.20                  | 29.249            |                    |         |
| 8,600.00                                | 7,070.09            | 7,103.91            | 7,096.09            | 59.28           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 8,037.84             | 7,759.55              | 278.29                  | 28.883            |                    |         |
| 8,700.00                                | 7,070.10            | 7,103.90            | 7,096.10            | 61.60           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,938.61             | 7,660.22              | 278.39                  | 28.516            |                    |         |
| 8,800.00                                | 7,070.11            | 7,103.89            | 7,096.11            | 63.95           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,839.39             | 7,560.90              | 278.50                  | 28.149            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,103.88            | 7,096.12            | 66.35           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,740.20             | 7,461.58              | 278.61                  | 27.781            |                    |         |
| 9,000.00                                | 7,070.13            | 7,103.88            | 7,096.13            | 68.79           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,641.03             | 7,362.29              | 278.74                  | 27.413            |                    |         |
| 9,100.00                                | 7,070.13            | 7,103.87            | 7,096.13            | 71.25           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,541.88             | 7,263.00              | 278.88                  | 27.044            |                    |         |
| 9,200.00                                | 7,070.14            | 7,103.86            | 7,096.14            | 73.74           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,442.75             | 7,163.72              | 279.03                  | 26.674            |                    |         |
| 9,300.00                                | 7,070.15            | 7,103.85            | 7,096.15            | 76.26           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,343.64             | 7,064.46              | 279.19                  | 26.304            |                    |         |
| 9,400.00                                | 7,070.16            | 7,103.84            | 7,096.16            | 78.80           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,244.57             | 6,965.21              | 279.36                  | 25.933            |                    |         |
| 9,500.00                                | 7,070.17            | 7,103.83            | 7,096.17            | 81.37           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,145.51             | 6,865.97              | 279.54                  | 25.561            |                    |         |
| 9,600.00                                | 7,070.18            | 7,103.82            | 7,096.18            | 83.95           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 7,046.48             | 6,766.74              | 279.74                  | 25.189            |                    |         |
| 9,700.00                                | 7,070.19            | 7,103.81            | 7,096.19            | 86.55           | 246.27      | 89.96                 | 1,413.85                          | -8,427.80  | 6,947.49             | 6,667.53              | 279.95                  | 24.817            |                    |         |
| 9,800.00                                | 7,070.20            | 7,103.80            | 7,096.20            | 89.17           | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 6,848.51             | 6,568.34              | 280.18                  | 24.443            |                    |         |
| 9,900.00                                | 7,070.21            | 7,103.80            | 7,096.21            | 91.80           | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 6,749.58             | 6,469.15              | 280.42                  | 24.069            |                    |         |
| 10,000.00                               | 7,070.21            | 7,103.79            | 7,096.21            | 94.44           | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 6,650.67             | 6,369.99              | 280.68                  | 23.695            |                    |         |
| 10,100.00                               | 7,070.22            | 7,103.78            | 7,096.22            | 97.10           | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 6,551.79             | 6,270.84              | 280.96                  | 23.320            |                    |         |
| 10,200.00                               | 7,070.23            | 7,103.77            | 7,096.23            | 99.77           | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 6,452.95             | 6,171.70              | 281.25                  | 22.944            |                    |         |
| 10,300.00                               | 7,070.24            | 7,103.76            | 7,096.24            | 102.44          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 6,354.15             | 6,072.59              | 281.56                  | 22.567            |                    |         |
| 10,400.00                               | 7,070.25            | 7,103.75            | 7,096.25            | 105.13          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 6,255.38             | 5,973.49              | 281.90                  | 22.190            |                    |         |
| 10,500.00                               | 7,070.26            | 7,103.74            | 7,096.26            | 107.83          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 6,156.66             | 5,874.41              | 282.25                  | 21.813            |                    |         |
| 10,600.00                               | 7,070.27            | 7,103.73            | 7,096.27            | 110.53          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 6,057.97             | 5,775.34              | 282.63                  | 21.434            |                    |         |
| 10,700.00                               | 7,070.28            | 7,103.72            | 7,096.28            | 113.24          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,959.33             | 5,676.30              | 283.03                  | 21.056            |                    |         |
| 10,800.00                               | 7,070.28            | 7,103.72            | 7,096.28            | 115.96          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,860.74             | 5,577.28              | 283.45                  | 20.676            |                    |         |
| 10,900.00                               | 7,070.29            | 7,103.71            | 7,096.29            | 118.69          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,762.19             | 5,478.28              | 283.91                  | 20.296            |                    |         |
| 11,000.00                               | 7,070.30            | 7,103.70            | 7,096.30            | 121.42          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,663.70             | 5,379.31              | 284.39                  | 19.915            |                    |         |
| 11,100.00                               | 7,070.31            | 7,103.69            | 7,096.31            | 124.16          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,565.26             | 5,280.36              | 284.90                  | 19.534            |                    |         |
| 11,200.00                               | 7,070.32            | 7,103.68            | 7,096.32            | 126.90          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,466.87             | 5,181.43              | 285.44                  | 19.153            |                    |         |
| 11,300.00                               | 7,070.33            | 7,103.67            | 7,096.33            | 129.65          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,368.55             | 5,082.53              | 286.01                  | 18.770            |                    |         |
| 11,400.00                               | 7,070.34            | 7,103.66            | 7,096.34            | 132.40          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,270.28             | 4,983.66              | 286.62                  | 18.388            |                    |         |
| 11,500.00                               | 7,070.35            | 7,103.65            | 7,096.35            | 135.16          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,172.09             | 4,884.82              | 287.27                  | 18.004            |                    |         |
| 11,600.00                               | 7,070.36            | 7,103.64            | 7,096.36            | 137.92          | 246.27      | 89.97                 | 1,413.85                          | -8,427.80  | 5,073.96             | 4,786.01              | 287.95                  | 17.621            |                    |         |
| 11,700.00                               | 7,070.36            | 7,103.64            | 7,096.36            | 140.69          | 246.26      | 89.97                 | 1,413.85                          | -8,427.80  | 4,975.91             | 4,687.23              | 288.68                  | 17.237            |                    |         |
| 11,800.00                               | 7,070.37            | 7,103.63            | 7,096.37            | 143.46          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,877.94             | 4,588.49              | 289.45                  | 16.852            |                    |         |
| 11,900.00                               | 7,070.38            | 7,103.62            | 7,096.38            | 146.23          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,780.06             | 4,489.79              | 290.27                  | 16.468            |                    |         |
| 12,000.00                               | 7,070.39            | 7,103.61            | 7,096.39            | 149.01          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,682.26             | 4,391.12              | 291.13                  | 16.083            |                    |         |
| 12,100.00                               | 7,070.40            | 7,103.60            | 7,096.40            | 151.79          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,584.56             | 4,292.50              | 292.05                  | 15.698            |                    |         |
| 12,200.00                               | 7,070.41            | 7,103.59            | 7,096.41            | 154.57          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,486.95             | 4,193.92              | 293.03                  | 15.312            |                    |         |
| 12,300.00                               | 7,070.42            | 7,103.58            | 7,096.42            | 157.35          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,389.46             | 4,095.40              | 294.07                  | 14.927            |                    |         |
| 12,400.00                               | 7,070.43            | 7,103.57            | 7,096.43            | 160.14          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,292.08             | 3,996.92              | 295.16                  | 14.541            |                    |         |
| 12,500.00                               | 7,070.44            | 7,103.56            | 7,096.44            | 162.93          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,194.83             | 3,898.50              | 296.33                  | 14.156            |                    |         |
| 12,600.00                               | 7,070.44            | 7,103.56            | 7,096.44            | 165.72          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,097.71             | 3,800.14              | 297.57                  | 13.771            |                    |         |
| 12,700.00                               | 7,070.45            | 7,103.55            | 7,096.45            | 168.52          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 4,000.73             | 3,701.84              | 298.89                  | 13.385            |                    |         |
| 12,800.00                               | 7,070.46            | 7,103.54            | 7,096.46            | 171.32          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 3,903.90             | 3,603.61              | 300.29                  | 13.001            |                    |         |
| 12,900.00                               | 7,070.47            | 7,103.53            | 7,096.47            | 174.11          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 3,807.23             | 3,505.46              | 301.78                  | 12.616            |                    |         |
| 13,000.00                               | 7,070.48            | 7,103.52            | 7,096.48            | 176.92          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 3,710.75             | 3,407.39              | 303.36                  | 12.232            |                    |         |
| 13,100.00                               | 7,070.49            | 7,103.51            | 7,096.49            | 179.72          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 3,614.45             | 3,309.40              | 305.04                  | 11.849            |                    |         |
| 13,200.00                               | 7,070.50            | 7,103.50            | 7,096.50            | 182.52          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 3,518.36             | 3,211.52              | 306.84                  | 11.466            |                    |         |
| 13,300.00                               | 7,070.51            | 7,103.49            | 7,096.51            | 185.33          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 3,422.49             | 3,113.74              | 308.75                  | 11.085            |                    |         |
| 13,400.00                               | 7,070.52            | 7,103.48            | 7,096.52            | 188.14          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 3,326.87             | 3,016.07              | 310.80                  | 10.704            |                    |         |
| 13,500.00                               | 7,070.52            | 7,103.48            | 7,096.52            | 190.95          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 3,231.51             | 2,918.54              | 312.98                  | 10.325            |                    |         |
| 13,600.00                               | 7,070.53            | 7,103.47            | 7,096.53            | 193.76          | 246.26      | 89.98                 | 1,413.85                          | -8,427.80  | 3,136.44             | 2,821.14              | 315.31                  | 9.947             |                    |         |
| 13,700.00                               | 7,070.54            | 7,103.46            | 7,096.54            | 196.57          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 3,041.69             | 2,723.89              | 317.80                  | 9.571             |                    |         |
| 13,800.00                               | 7,070.55            | 7,103.45            | 7,096.55            | 199.38          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,947.29             | 2,626.82              | 320.46                  | 9.197             |                    |         |
| 13,900.00                               | 7,070.56            | 7,103.44            | 7,096.56            | 202.20          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,853.26             | 2,529.94              | 323.32                  | 8.825             |                    |         |
| 14,000.00                               | 7,070.57            | 7,103.43            | 7,096.57            | 205.01          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,759.66             | 2,433.27              | 326.39                  | 8.455             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00                               | 7,070.58            | 7,103.42            | 7,096.58            | 207.83          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,666.52             | 2,336.84              | 329.68                  | 8.088             |                    |         |
| 14,200.00                               | 7,070.59            | 7,103.41            | 7,096.59            | 210.65          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,573.89             | 2,240.68              | 333.22                  | 7.724             |                    |         |
| 14,300.00                               | 7,070.60            | 7,103.40            | 7,096.60            | 213.47          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,481.84             | 2,144.82              | 337.03                  | 7.364             |                    |         |
| 14,400.00                               | 7,070.60            | 7,103.40            | 7,096.60            | 216.29          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,390.43             | 2,049.30              | 341.13                  | 7.007             |                    |         |
| 14,500.00                               | 7,070.61            | 7,103.39            | 7,096.61            | 219.11          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,299.73             | 1,954.17              | 345.56                  | 6.655             |                    |         |
| 14,600.00                               | 7,070.62            | 7,103.38            | 7,096.62            | 221.94          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,209.83             | 1,859.49              | 350.35                  | 6.308             |                    |         |
| 14,700.00                               | 7,070.63            | 7,103.37            | 7,096.63            | 224.76          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,120.84             | 1,765.32              | 355.52                  | 5.965             |                    |         |
| 14,800.00                               | 7,070.64            | 7,103.36            | 7,096.64            | 227.58          | 246.26      | 89.99                 | 1,413.85                          | -8,427.80  | 2,032.88             | 1,671.76              | 361.12                  | 5.629             |                    |         |
| 14,900.00                               | 7,070.65            | 7,103.35            | 7,096.65            | 230.41          | 246.25      | 89.99                 | 1,413.85                          | -8,427.80  | 1,946.07             | 1,578.89              | 367.18                  | 5.300             |                    |         |
| 15,000.00                               | 7,070.66            | 7,103.34            | 7,096.66            | 233.24          | 246.25      | 89.99                 | 1,413.85                          | -8,427.80  | 1,860.59             | 1,486.83              | 373.76                  | 4.978             |                    |         |
| 15,100.00                               | 7,070.67            | 7,103.33            | 7,096.67            | 236.06          | 246.25      | 89.99                 | 1,413.85                          | -8,427.80  | 1,776.63             | 1,395.75              | 380.88                  | 4.665             |                    |         |
| 15,200.00                               | 7,070.68            | 7,103.32            | 7,096.68            | 238.89          | 246.25      | 89.99                 | 1,413.85                          | -8,427.80  | 1,694.41             | 1,305.81              | 388.60                  | 4.360             |                    |         |
| 15,300.00                               | 7,070.68            | 7,103.32            | 7,096.68            | 241.72          | 246.25      | 89.99                 | 1,413.85                          | -8,427.80  | 1,614.20             | 1,217.24              | 396.96                  | 4.066             |                    |         |
| 15,400.00                               | 7,070.69            | 7,103.31            | 7,096.69            | 244.55          | 246.25      | 89.99                 | 1,413.85                          | -8,427.80  | 1,536.31             | 1,130.32              | 405.98                  | 3.784             |                    |         |
| 15,500.00                               | 7,070.70            | 7,103.30            | 7,096.70            | 247.38          | 246.25      | 89.99                 | 1,413.85                          | -8,427.80  | 1,461.11             | 1,045.41              | 415.70                  | 3.515             |                    |         |
| 15,600.00                               | 7,070.71            | 7,103.29            | 7,096.71            | 250.21          | 246.25      | 89.99                 | 1,413.85                          | -8,427.80  | 1,389.05             | 962.95                | 426.10                  | 3.260             |                    |         |
| 15,700.00                               | 7,070.72            | 7,103.28            | 7,096.72            | 253.04          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,320.63             | 883.48                | 437.15                  | 3.021             |                    |         |
| 15,800.00                               | 7,070.73            | 7,103.27            | 7,096.73            | 255.87          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,256.45             | 807.68                | 448.77                  | 2.800             |                    |         |
| 15,900.00                               | 7,070.74            | 7,103.26            | 7,096.74            | 258.71          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,197.20             | 736.40                | 460.80                  | 2.598             |                    |         |
| 16,000.00                               | 7,070.75            | 7,103.25            | 7,096.75            | 261.54          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,143.63             | 670.64                | 472.99                  | 2.418             |                    |         |
| 16,100.00                               | 7,070.76            | 7,103.25            | 7,096.76            | 264.37          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,096.58             | 611.59                | 484.99                  | 2.261             |                    |         |
| 16,200.00                               | 7,070.76            | 7,103.24            | 7,096.76            | 267.21          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,056.93             | 560.57                | 496.36                  | 2.129             |                    |         |
| 16,300.00                               | 7,070.77            | 7,103.23            | 7,096.77            | 270.04          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,025.53             | 518.98                | 506.56                  | 2.025             |                    |         |
| 16,400.00                               | 7,070.78            | 7,103.22            | 7,096.78            | 272.88          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,003.16             | 488.16                | 515.00                  | 1.948             |                    |         |
| 16,500.00                               | 7,070.79            | 7,103.21            | 7,096.79            | 275.71          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 990.42               | 469.24                | 521.18                  | 1.900             |                    |         |
| 16,576.96                               | 7,070.80            | 7,103.20            | 7,096.80            | 277.90          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 987.43               | 463.28                | 524.15                  | 1.884 CC          |                    |         |
| 16,600.00                               | 7,070.80            | 7,103.20            | 7,096.80            | 278.55          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 987.70               | 462.98                | 524.71                  | 1.882 ES, SF      |                    |         |
| 16,700.00                               | 7,070.81            | 7,103.19            | 7,096.81            | 281.39          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 995.06               | 469.61                | 525.45                  | 1.894             |                    |         |
| 16,800.00                               | 7,070.82            | 7,103.18            | 7,096.82            | 284.22          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,012.30             | 488.80                | 523.50                  | 1.934             |                    |         |
| 16,900.00                               | 7,070.83            | 7,103.17            | 7,096.83            | 287.06          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,038.93             | 519.76                | 519.17                  | 2.001             |                    |         |
| 17,000.00                               | 7,070.84            | 7,103.17            | 7,096.84            | 289.90          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,074.23             | 561.31                | 512.92                  | 2.094             |                    |         |
| 17,100.00                               | 7,070.84            | 7,103.16            | 7,096.84            | 292.74          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,117.40             | 612.13                | 505.27                  | 2.211             |                    |         |
| 17,200.00                               | 7,070.85            | 7,103.15            | 7,096.85            | 295.58          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,167.56             | 670.84                | 496.72                  | 2.351             |                    |         |
| 17,300.00                               | 7,070.86            | 7,103.14            | 7,096.86            | 298.42          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,223.85             | 736.15                | 487.70                  | 2.509             |                    |         |
| 17,400.00                               | 7,070.87            | 7,103.13            | 7,096.87            | 301.26          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,285.46             | 806.93                | 478.53                  | 2.686             |                    |         |
| 17,500.00                               | 7,070.88            | 7,103.12            | 7,096.88            | 304.10          | 246.25      | 90.00                 | 1,413.85                          | -8,427.80  | 1,351.67             | 882.20                | 469.47                  | 2.879             |                    |         |
| 17,600.00                               | 7,070.89            | 7,103.11            | 7,096.89            | 306.94          | 246.25      | 90.01                 | 1,413.85                          | -8,427.80  | 1,421.84             | 961.15                | 460.69                  | 3.086             |                    |         |
| 17,700.00                               | 7,070.90            | 7,103.10            | 7,096.90            | 309.78          | 246.25      | 90.01                 | 1,413.85                          | -8,427.80  | 1,495.41             | 1,043.11              | 452.29                  | 3.306             |                    |         |
| 17,800.00                               | 7,070.91            | 7,103.09            | 7,096.91            | 312.62          | 246.25      | 90.01                 | 1,413.85                          | -8,427.80  | 1,571.89             | 1,127.55              | 444.34                  | 3.538             |                    |         |
| 17,900.00                               | 7,070.92            | 7,103.09            | 7,096.92            | 315.46          | 246.25      | 90.01                 | 1,413.85                          | -8,427.80  | 1,650.89             | 1,214.04              | 436.86                  | 3.779             |                    |         |
| 18,000.00                               | 7,070.92            | 7,103.08            | 7,096.92            | 318.31          | 246.25      | 90.01                 | 1,413.85                          | -8,427.80  | 1,732.07             | 1,302.22              | 429.85                  | 4.029             |                    |         |
| 18,100.00                               | 7,070.93            | 7,103.07            | 7,096.93            | 321.15          | 246.24      | 90.01                 | 1,413.85                          | -8,427.80  | 1,815.12             | 1,391.82              | 423.31                  | 4.288             |                    |         |
| 18,200.00                               | 7,070.94            | 7,103.06            | 7,096.94            | 323.99          | 246.24      | 90.01                 | 1,413.85                          | -8,427.80  | 1,899.81             | 1,482.60              | 417.21                  | 4.554             |                    |         |
| 18,300.00                               | 7,070.95            | 7,103.05            | 7,096.95            | 326.83          | 246.24      | 90.01                 | 1,413.85                          | -8,427.80  | 1,985.92             | 1,574.39              | 411.53                  | 4.826             |                    |         |
| 18,400.00                               | 7,070.96            | 7,103.04            | 7,096.96            | 329.68          | 246.24      | 90.01                 | 1,413.85                          | -8,427.80  | 2,073.28             | 1,667.03              | 406.25                  | 5.103             |                    |         |
| 18,500.00                               | 7,070.97            | 7,103.03            | 7,096.97            | 332.52          | 246.24      | 90.01                 | 1,413.85                          | -8,427.80  | 2,161.74             | 1,760.40              | 401.34                  | 5.386             |                    |         |
| 18,600.00                               | 7,070.98            | 7,103.02            | 7,096.98            | 335.36          | 246.24      | 90.01                 | 1,413.85                          | -8,427.80  | 2,251.16             | 1,854.40              | 396.76                  | 5.674             |                    |         |
| 18,700.00                               | 7,070.99            | 7,103.01            | 7,096.99            | 338.21          | 246.24      | 90.01                 | 1,413.85                          | -8,427.80  | 2,341.44             | 1,948.95              | 392.49                  | 5.966             |                    |         |
| 18,800.00                               | 7,070.99            | 7,103.01            | 7,096.99            | 341.05          | 246.24      | 90.01                 | 1,413.85                          | -8,427.80  | 2,432.47             | 2,043.97              | 388.51                  | 6.261             |                    |         |
| 18,858.54                               | 7,071.00            | 7,103.00            | 7,097.00            | 342.72          | 246.24      | 90.01                 | 1,413.85                          | -8,427.80  | 2,486.09             | 2,099.78              | 386.30                  | 6.436             |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -167.52               | -2,801.14                         | -619.95    | 2,868.94             |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 83.15               | 83.15               | 3.28            | 3.28        | -167.52               | -2,801.25                         | -619.96    | 2,869.05             | 2,862.48              | 6.57                    | 436.717           |                    |         |
| 200.00                      | 200.00              | 188.26              | 188.26              | 3.34            | 3.33        | -167.52               | -2,801.52                         | -619.87    | 2,869.28             | 2,862.61              | 6.67                    | 430.170           |                    |         |
| 300.00                      | 300.00              | 282.10              | 282.10              | 3.44            | 3.43        | -167.53               | -2,801.72                         | -619.71    | 2,869.45             | 2,862.58              | 6.87                    | 417.542           |                    |         |
| 400.00                      | 399.98              | 381.48              | 381.48              | 3.60            | 3.57        | 119.98                | -2,802.05                         | -619.79    | 2,870.67             | 2,863.49              | 7.18                    | 400.079           |                    |         |
| 500.00                      | 499.84              | 484.10              | 484.10              | 3.80            | 3.77        | 120.03                | -2,802.31                         | -619.98    | 2,873.58             | 2,866.01              | 7.57                    | 379.521           |                    |         |
| 600.00                      | 599.45              | 582.65              | 582.65              | 4.04            | 4.00        | 120.10                | -2,802.54                         | -620.06    | 2,878.20             | 2,870.16              | 8.04                    | 358.074           |                    |         |
| 700.00                      | 698.70              | 693.92              | 693.92              | 4.32            | 4.29        | 120.22                | -2,802.67                         | -619.99    | 2,884.46             | 2,875.86              | 8.60                    | 335.231           |                    |         |
| 800.00                      | 797.47              | 784.71              | 784.71              | 4.63            | 4.54        | 120.33                | -2,802.65                         | -619.95    | 2,892.39             | 2,883.22              | 9.17                    | 315.287           |                    |         |
| 900.00                      | 895.62              | 879.02              | 879.02              | 4.97            | 4.83        | 120.46                | -2,802.81                         | -620.17    | 2,902.39             | 2,892.59              | 9.80                    | 296.052           |                    |         |
| 924.00                      | 919.08              | 902.32              | 902.31              | 5.06            | 4.91        | 120.50                | -2,802.86                         | -620.21    | 2,905.08             | 2,895.12              | 9.96                    | 291.536           |                    |         |
| 1,000.00                    | 993.28              | 993.51              | 993.50              | 5.34            | 5.20        | 120.84                | -2,802.84                         | -620.20    | 2,913.59             | 2,903.05              | 10.54                   | 276.387           |                    |         |
| 1,100.00                    | 1,090.92            | 1,080.93            | 1,080.93            | 5.73            | 5.50        | 121.16                | -2,802.70                         | -620.13    | 2,924.74             | 2,913.52              | 11.22                   | 260.589           |                    |         |
| 1,200.00                    | 1,188.56            | 1,175.90            | 1,175.90            | 6.15            | 5.83        | 121.50                | -2,802.79                         | -620.21    | 2,936.29             | 2,924.33              | 11.96                   | 245.529           |                    |         |
| 1,300.00                    | 1,286.19            | 1,271.39            | 1,271.39            | 6.57            | 6.17        | 121.85                | -2,802.94                         | -620.24    | 2,947.99             | 2,935.27              | 12.72                   | 231.773           |                    |         |
| 1,400.00                    | 1,383.83            | 1,370.64            | 1,370.64            | 7.01            | 6.53        | 122.20                | -2,803.14                         | -620.21    | 2,959.84             | 2,946.33              | 13.51                   | 219.048           |                    |         |
| 1,500.00                    | 1,481.47            | 1,468.95            | 1,468.94            | 7.46            | 6.90        | 122.55                | -2,803.29                         | -620.09    | 2,971.73             | 2,957.41              | 14.32                   | 207.561           |                    |         |
| 1,600.00                    | 1,579.10            | 1,568.24            | 1,568.23            | 7.91            | 7.28        | 122.89                | -2,803.43                         | -619.99    | 2,983.71             | 2,968.57              | 15.14                   | 197.083           |                    |         |
| 1,700.00                    | 1,676.74            | 1,664.82            | 1,664.82            | 8.37            | 7.65        | 123.23                | -2,803.55                         | -619.76    | 2,995.76             | 2,979.80              | 15.96                   | 187.690           |                    |         |
| 1,800.00                    | 1,774.38            | 1,762.73            | 1,762.73            | 8.84            | 8.03        | 123.57                | -2,803.64                         | -619.87    | 3,007.96             | 2,991.17              | 16.80                   | 179.071           |                    |         |
| 1,900.00                    | 1,872.02            | 1,868.21            | 1,868.20            | 9.31            | 8.44        | 123.93                | -2,803.68                         | -619.70    | 3,020.16             | 3,002.49              | 17.67                   | 170.896           |                    |         |
| 2,000.00                    | 1,969.65            | 1,958.04            | 1,958.03            | 9.79            | 8.80        | 124.24                | -2,803.52                         | -619.76    | 3,032.34             | 3,013.85              | 18.49                   | 164.006           |                    |         |
| 2,100.00                    | 2,067.29            | 2,048.58            | 2,048.57            | 10.27           | 9.16        | 124.55                | -2,803.70                         | -620.05    | 3,045.02             | 3,025.70              | 19.31                   | 157.653           |                    |         |
| 2,200.00                    | 2,164.93            | 2,153.51            | 2,153.50            | 10.75           | 9.58        | 124.91                | -2,803.83                         | -620.48    | 3,057.77             | 3,037.56              | 20.21                   | 151.324           |                    |         |
| 2,300.00                    | 2,262.56            | 2,257.15            | 2,257.14            | 11.24           | 9.99        | 125.26                | -2,803.65                         | -620.82    | 3,070.33             | 3,049.23              | 21.10                   | 145.532           |                    |         |
| 2,400.00                    | 2,360.20            | 2,361.20            | 2,361.19            | 11.73           | 10.41       | 125.61                | -2,803.39                         | -620.97    | 3,082.87             | 3,060.88              | 21.99                   | 140.176           |                    |         |
| 2,500.00                    | 2,457.84            | 2,462.22            | 2,462.21            | 12.22           | 10.82       | 125.94                | -2,803.02                         | -620.76    | 3,095.28             | 3,072.40              | 22.88                   | 135.291           |                    |         |
| 2,600.00                    | 2,555.48            | 2,560.50            | 2,560.49            | 12.71           | 11.22       | 126.26                | -2,802.64                         | -620.54    | 3,107.77             | 3,084.02              | 23.76                   | 130.823           |                    |         |
| 2,700.00                    | 2,653.11            | 2,655.48            | 2,655.47            | 13.20           | 11.61       | 126.56                | -2,802.28                         | -620.33    | 3,120.36             | 3,095.74              | 24.62                   | 126.738           |                    |         |
| 2,800.00                    | 2,750.75            | 2,746.37            | 2,746.36            | 13.70           | 11.98       | 126.85                | -2,802.16                         | -619.96    | 3,133.21             | 3,107.74              | 25.47                   | 123.017           |                    |         |
| 2,900.00                    | 2,848.39            | 2,842.13            | 2,842.12            | 14.19           | 12.38       | 127.15                | -2,802.18                         | -619.75    | 3,146.35             | 3,120.01              | 26.34                   | 119.440           |                    |         |
| 3,000.00                    | 2,946.02            | 2,944.40            | 2,944.39            | 14.69           | 12.80       | 127.47                | -2,801.93                         | -619.87    | 3,159.46             | 3,132.21              | 27.25                   | 115.958           |                    |         |
| 3,100.00                    | 3,043.66            | 3,038.82            | 3,038.81            | 15.19           | 13.19       | 127.77                | -2,801.65                         | -620.02    | 3,172.63             | 3,144.51              | 28.12                   | 112.839           |                    |         |
| 3,200.00                    | 3,141.30            | 3,128.40            | 3,128.38            | 15.69           | 13.56       | 128.05                | -2,801.66                         | -619.99    | 3,186.11             | 3,157.14              | 28.97                   | 109.998           |                    |         |
| 3,300.00                    | 3,238.94            | 3,220.67            | 3,220.66            | 16.19           | 13.94       | 128.33                | -2,801.82                         | -620.15    | 3,199.88             | 3,170.06              | 29.83                   | 107.280           |                    |         |
| 3,400.00                    | 3,336.57            | 3,315.49            | 3,315.47            | 16.69           | 14.34       | 128.62                | -2,802.16                         | -620.15    | 3,213.86             | 3,183.16              | 30.70                   | 104.677           |                    |         |
| 3,500.00                    | 3,434.21            | 3,411.56            | 3,411.55            | 17.19           | 14.74       | 128.91                | -2,802.61                         | -620.06    | 3,227.99             | 3,196.40              | 31.58                   | 102.201           |                    |         |
| 3,600.00                    | 3,531.85            | 3,504.98            | 3,504.96            | 17.69           | 15.13       | 129.18                | -2,803.12                         | -620.01    | 3,242.29             | 3,209.83              | 32.45                   | 99.901            |                    |         |
| 3,700.00                    | 3,629.48            | 3,597.18            | 3,597.16            | 18.20           | 15.51       | 129.46                | -2,803.75                         | -620.02    | 3,256.81             | 3,223.49              | 33.32                   | 97.745            |                    |         |
| 3,800.00                    | 3,727.12            | 3,692.17            | 3,692.15            | 18.70           | 15.91       | 129.73                | -2,804.50                         | -620.09    | 3,271.54             | 3,237.34              | 34.20                   | 95.664            |                    |         |
| 3,900.00                    | 3,824.76            | 3,792.61            | 3,792.59            | 19.21           | 16.33       | 130.02                | -2,805.29                         | -620.16    | 3,286.35             | 3,251.24              | 35.10                   | 93.616            |                    |         |
| 4,000.00                    | 3,922.40            | 3,891.10            | 3,891.07            | 19.71           | 16.74       | 130.30                | -2,806.04                         | -620.15    | 3,301.17             | 3,265.17              | 36.00                   | 91.696            |                    |         |
| 4,100.00                    | 4,020.03            | 3,982.22            | 3,982.19            | 20.21           | 17.13       | 130.56                | -2,806.81                         | -620.11    | 3,316.14             | 3,279.28              | 36.86                   | 89.960            |                    |         |
| 4,200.00                    | 4,117.67            | 4,077.12            | 4,077.09            | 20.72           | 17.53       | 130.82                | -2,807.77                         | -620.11    | 3,331.35             | 3,293.61              | 37.74                   | 88.265            |                    |         |
| 4,300.00                    | 4,215.31            | 4,175.00            | 4,174.95            | 21.23           | 17.94       | 131.09                | -2,808.84                         | -619.99    | 3,346.66             | 3,308.02              | 38.64                   | 86.617            |                    |         |
| 4,400.00                    | 4,312.94            | 4,269.55            | 4,269.50            | 21.73           | 18.34       | 131.35                | -2,809.97                         | -619.72    | 3,362.06             | 3,322.54              | 39.52                   | 85.080            |                    |         |
| 4,500.00                    | 4,410.58            | 4,372.16            | 4,372.10            | 22.24           | 18.77       | 131.62                | -2,811.15                         | -619.59    | 3,377.56             | 3,337.12              | 40.44                   | 83.528            |                    |         |
| 4,600.00                    | 4,508.22            | 4,469.42            | 4,469.36            | 22.75           | 19.18       | 131.89                | -2,811.99                         | -619.73    | 3,392.98             | 3,351.65              | 41.33                   | 82.097            |                    |         |
| 4,700.00                    | 4,605.86            | 4,567.37            | 4,567.30            | 23.25           | 19.59       | 132.16                | -2,812.66                         | -620.35    | 3,408.53             | 3,366.31              | 42.23                   | 80.722            |                    |         |
| 4,800.00                    | 4,703.49            | 4,665.49            | 4,665.42            | 23.76           | 20.01       | 132.43                | -2,813.36                         | -620.82    | 3,424.11             | 3,380.99              | 43.12                   | 79.403            |                    |         |
| 4,900.00                    | 4,801.13            | 4,768.54            | 4,768.47            | 24.27           | 20.44       | 132.70                | -2,814.20                         | -620.97    | 3,439.72             | 3,395.67              | 44.05                   | 78.094            |                    |         |
| 5,000.00                    | 4,898.77            | 4,868.52            | 4,868.45            | 24.77           | 20.87       | 132.95                | -2,815.11                         | -620.53    | 3,455.22             | 3,410.27              | 44.95                   | 76.862            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                    | 4,996.40            | 4,970.27            | 4,970.19            | 25.28           | 21.30       | 133.21                | -2,816.00                         | -620.05    | 3,470.75             | 3,424.88              | 45.87                   | 75.664            |                    |         |
| 5,200.00                    | 5,094.04            | 5,074.07            | 5,073.99            | 25.79           | 21.74       | 133.47                | -2,816.64                         | -619.72    | 3,486.17             | 3,439.38              | 46.80                   | 74.494            |                    |         |
| 5,300.00                    | 5,191.68            | 5,171.18            | 5,171.09            | 26.30           | 22.15       | 133.72                | -2,817.08                         | -619.50    | 3,501.56             | 3,453.87              | 47.69                   | 73.422            |                    |         |
| 5,400.00                    | 5,289.32            | 5,269.38            | 5,269.30            | 26.81           | 22.56       | 133.97                | -2,817.49                         | -619.41    | 3,517.05             | 3,468.46              | 48.59                   | 72.383            |                    |         |
| 5,500.00                    | 5,386.95            | 5,369.36            | 5,369.27            | 27.32           | 22.99       | 134.22                | -2,817.84                         | -619.36    | 3,532.55             | 3,483.05              | 49.50                   | 71.368            |                    |         |
| 5,600.00                    | 5,484.59            | 5,463.40            | 5,463.32            | 27.83           | 23.39       | 134.45                | -2,818.13                         | -619.34    | 3,548.11             | 3,497.73              | 50.37                   | 70.434            |                    |         |
| 5,700.00                    | 5,582.23            | 5,558.67            | 5,558.58            | 28.33           | 23.79       | 134.69                | -2,818.52                         | -619.42    | 3,563.86             | 3,512.60              | 51.26                   | 69.527            |                    |         |
| 5,800.00                    | 5,679.87            | 5,654.69            | 5,654.60            | 28.84           | 24.20       | 134.93                | -2,818.89                         | -619.59    | 3,579.69             | 3,527.55              | 52.15                   | 68.648            |                    |         |
| 5,900.00                    | 5,777.50            | 5,749.21            | 5,749.11            | 29.35           | 24.60       | 135.17                | -2,819.22                         | -619.96    | 3,595.66             | 3,542.64              | 53.03                   | 67.811            |                    |         |
| 6,000.00                    | 5,875.14            | 5,846.87            | 5,846.78            | 29.86           | 25.01       | 135.41                | -2,819.53                         | -620.54    | 3,611.76             | 3,557.84              | 53.92                   | 66.983            |                    |         |
| 6,100.00                    | 5,972.78            | 5,947.61            | 5,947.51            | 30.37           | 25.44       | 135.67                | -2,819.64                         | -621.37    | 3,627.85             | 3,573.02              | 54.83                   | 66.163            |                    |         |
| 6,200.00                    | 6,070.41            | 6,043.61            | 6,043.50            | 30.88           | 25.85       | 135.91                | -2,819.47                         | -622.54    | 3,643.96             | 3,588.24              | 55.72                   | 65.401            |                    |         |
| 6,300.00                    | 6,168.05            | 6,139.49            | 6,139.38            | 31.39           | 26.25       | 136.16                | -2,819.29                         | -623.94    | 3,660.24             | 3,603.64              | 56.60                   | 64.667            |                    |         |
| 6,400.00                    | 6,265.69            | 6,241.32            | 6,241.19            | 31.90           | 26.68       | 136.43                | -2,818.92                         | -625.57    | 3,676.51             | 3,619.00              | 57.52                   | 63.919            |                    |         |
| 6,439.09                    | 6,303.85            | 6,280.67            | 6,280.54            | 32.10           | 26.85       | 136.53                | -2,818.74                         | -626.20    | 3,682.87             | 3,624.99              | 57.87                   | 63.636            |                    |         |
| 6,450.00                    | 6,314.53            | 6,291.68            | 6,291.55            | 32.16           | 26.90       | 138.17                | -2,818.69                         | -626.38    | 3,684.59             | 3,626.62              | 57.97                   | 63.558            |                    |         |
| 6,500.00                    | 6,363.83            | 6,339.28            | 6,339.14            | 32.39           | 27.10       | 150.21                | -2,818.46                         | -627.17    | 3,691.38             | 3,632.98              | 58.40                   | 63.210            |                    |         |
| 6,550.00                    | 6,413.58            | 6,386.70            | 6,386.55            | 32.60           | 27.30       | -176.79               | -2,818.22                         | -628.01    | 3,696.28             | 3,637.48              | 58.80                   | 62.857            |                    |         |
| 6,600.00                    | 6,463.45            | 6,435.84            | 6,435.68            | 32.79           | 27.51       | -115.74               | -2,817.97                         | -628.94    | 3,699.26             | 3,640.05              | 59.21                   | 62.482            |                    |         |
| 6,650.00                    | 6,513.15            | 6,485.47            | 6,485.30            | 32.97           | 27.72       | -88.22                | -2,817.71                         | -629.90    | 3,700.28             | 3,640.68              | 59.60                   | 62.085            |                    |         |
| 6,700.00                    | 6,562.37            | 6,538.33            | 6,538.15            | 33.15           | 27.94       | -78.42                | -2,817.42                         | -630.92    | 3,699.32             | 3,639.31              | 60.01                   | 61.642            |                    |         |
| 6,750.00                    | 6,610.80            | 6,591.89            | 6,591.70            | 33.34           | 28.17       | -74.01                | -2,817.08                         | -631.89    | 3,696.38             | 3,635.94              | 60.43                   | 61.165            |                    |         |
| 6,800.00                    | 6,658.14            | 6,642.47            | 6,642.27            | 33.53           | 28.39       | -71.84                | -2,816.73                         | -632.74    | 3,691.50             | 3,630.65              | 60.84                   | 60.673            |                    |         |
| 6,850.00                    | 6,704.11            | 6,691.26            | 6,691.06            | 33.74           | 28.59       | -70.85                | -2,816.40                         | -633.47    | 3,684.77             | 3,623.52              | 61.25                   | 60.158            |                    |         |
| 6,900.00                    | 6,748.42            | 6,744.25            | 6,744.04            | 33.97           | 28.82       | -70.66                | -2,816.01                         | -634.20    | 3,676.26             | 3,614.57              | 61.69                   | 59.588            |                    |         |
| 6,950.00                    | 6,790.79            | 6,796.24            | 6,796.02            | 34.21           | 29.04       | -71.00                | -2,815.50                         | -634.85    | 3,666.03             | 3,603.88              | 62.15                   | 58.989            |                    |         |
| 7,000.00                    | 6,830.97            | 6,848.71            | 6,848.49            | 34.48           | 29.26       | -71.78                | -2,814.85                         | -635.46    | 3,654.18             | 3,591.56              | 62.62                   | 58.352            |                    |         |
| 7,050.00                    | 6,868.71            | 6,898.31            | 6,898.08            | 34.77           | 29.47       | -72.89                | -2,814.05                         | -636.02    | 3,640.87             | 3,577.76              | 63.11                   | 57.693            |                    |         |
| 7,100.00                    | 6,903.77            | 6,936.86            | 6,936.62            | 35.09           | 29.63       | -74.17                | -2,813.32                         | -636.51    | 3,626.28             | 3,562.72              | 63.56                   | 57.049            |                    |         |
| 7,150.00                    | 6,935.93            | 6,972.27            | 6,972.01            | 35.44           | 29.78       | -75.66                | -2,812.57                         | -637.06    | 3,610.64             | 3,546.60              | 64.04                   | 56.382            |                    |         |
| 7,200.00                    | 6,965.01            | 7,005.24            | 7,004.96            | 35.83           | 29.92       | -77.33                | -2,811.80                         | -637.66    | 3,594.10             | 3,529.56              | 64.54                   | 55.689            |                    |         |
| 7,250.00                    | 6,990.82            | 7,038.24            | 7,037.95            | 36.26           | 30.06       | -79.17                | -2,810.94                         | -638.33    | 3,576.82             | 3,511.73              | 65.08                   | 54.959            |                    |         |
| 7,300.00                    | 7,013.20            | 7,067.23            | 7,066.92            | 36.72           | 30.19       | -81.10                | -2,810.12                         | -638.96    | 3,558.97             | 3,493.32              | 65.65                   | 54.212            |                    |         |
| 7,350.00                    | 7,032.02            | 7,092.00            | 7,091.67            | 37.23           | 30.29       | -83.08                | -2,809.35                         | -639.54    | 3,540.74             | 3,474.50              | 66.24                   | 53.451            |                    |         |
| 7,400.00                    | 7,047.15            | 7,112.36            | 7,112.01            | 37.77           | 30.38       | -85.07                | -2,808.69                         | -640.04    | 3,522.31             | 3,455.45              | 66.86                   | 52.682            |                    |         |
| 7,450.00                    | 7,058.51            | 7,122.47            | 7,122.11            | 38.34           | 30.42       | -86.94                | -2,808.37                         | -640.28    | 3,503.87             | 3,436.40              | 67.47                   | 51.931            |                    |         |
| 7,500.00                    | 7,066.02            | 7,131.19            | 7,130.84            | 38.95           | 30.46       | -88.80                | -2,808.08                         | -640.49    | 3,485.58             | 3,417.46              | 68.12                   | 51.170            |                    |         |
| 7,550.00                    | 7,069.64            | 7,136.04            | 7,135.67            | 39.58           | 30.48       | -90.60                | -2,807.93                         | -640.61    | 3,467.57             | 3,398.79              | 68.78                   | 50.417            |                    |         |
| 7,571.20                    | 7,070.00            | 7,136.91            | 7,136.54            | 39.85           | 30.49       | -91.34                | -2,807.90                         | -640.63    | 3,460.05             | 3,390.99              | 69.06                   | 50.102            |                    |         |
| 7,600.00                    | 7,070.00            | 7,137.61            | 7,137.25            | 40.23           | 30.49       | -91.35                | -2,807.87                         | -640.65    | 3,450.00             | 3,380.55              | 69.45                   | 49.674            |                    |         |
| 7,700.00                    | 7,070.01            | 7,140.06            | 7,139.69            | 41.64           | 30.50       | -91.39                | -2,807.79                         | -640.71    | 3,416.76             | 3,345.83              | 70.93                   | 48.169            |                    |         |
| 7,800.00                    | 7,070.02            | 7,142.51            | 7,142.14            | 43.20           | 30.51       | -91.43                | -2,807.71                         | -640.77    | 3,386.15             | 3,313.57              | 72.58                   | 46.654            |                    |         |
| 7,900.00                    | 7,070.03            | 7,144.96            | 7,144.59            | 44.89           | 30.52       | -91.48                | -2,807.64                         | -640.83    | 3,358.23             | 3,283.85              | 74.38                   | 45.151            |                    |         |
| 8,000.00                    | 7,070.04            | 7,147.41            | 7,147.03            | 46.69           | 30.53       | -91.52                | -2,807.56                         | -640.89    | 3,333.08             | 3,256.77              | 76.31                   | 43.677            |                    |         |
| 8,100.00                    | 7,070.05            | 7,149.85            | 7,149.48            | 48.60           | 30.54       | -91.56                | -2,807.48                         | -640.95    | 3,310.76             | 3,232.40              | 78.36                   | 42.250            |                    |         |
| 8,200.00                    | 7,070.05            | 7,152.30            | 7,151.93            | 50.59           | 30.55       | -91.61                | -2,807.40                         | -641.01    | 3,291.32             | 3,210.81              | 80.51                   | 40.880            |                    |         |
| 8,300.00                    | 7,070.06            | 7,154.75            | 7,154.37            | 52.66           | 30.57       | -91.65                | -2,807.32                         | -641.07    | 3,274.83             | 3,192.08              | 82.75                   | 39.577            |                    |         |
| 8,400.00                    | 7,070.07            | 7,157.20            | 7,156.82            | 54.81           | 30.58       | -91.69                | -2,807.24                         | -641.13    | 3,261.31             | 3,176.27              | 85.04                   | 38.348            |                    |         |
| 8,500.00                    | 7,070.08            | 7,159.65            | 7,159.26            | 57.02           | 30.59       | -91.74                | -2,807.16                         | -641.19    | 3,250.81             | 3,163.42              | 87.39                   | 37.197            |                    |         |
| 8,600.00                    | 7,070.09            | 7,162.09            | 7,161.71            | 59.28           | 30.60       | -91.78                | -2,807.08                         | -641.25    | 3,243.37             | 3,153.59              | 89.78                   | 36.127            |                    |         |
| 8,700.00                    | 7,070.10            | 7,164.54            | 7,164.16            | 61.60           | 30.61       | -91.82                | -2,807.00                         | -641.31    | 3,238.99             | 3,146.81              | 92.18                   | 35.139            |                    |         |
| 8,791.95                    | 7,070.11            | 7,166.79            | 7,166.41            | 63.76           | 30.62       | -91.86                | -2,806.93                         | -641.36    | 3,237.69             | 3,143.29              | 94.39                   | 34.301            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                    | 7,070.11            | 7,166.99            | 7,166.60            | 63.95           | 30.62       | -91.87                | -2,806.92                         | -641.37    | 3,237.70             | 3,143.11              | 94.58                   | 34.231            |                    |         |
| 8,900.00                    | 7,070.12            | 7,169.44            | 7,169.05            | 66.35           | 30.63       | -91.91                | -2,806.84                         | -641.43    | 3,239.49             | 3,142.51              | 96.98                   | 33.404            |                    |         |
| 9,000.00                    | 7,070.13            | 7,171.89            | 7,171.49            | 68.79           | 30.64       | -91.95                | -2,806.76                         | -641.49    | 3,244.36             | 3,145.00              | 99.36                   | 32.654            |                    |         |
| 9,100.00                    | 7,070.13            | 7,174.34            | 7,173.94            | 71.25           | 30.65       | -92.00                | -2,806.68                         | -641.55    | 3,252.30             | 3,150.60              | 101.70                  | 31.979            |                    |         |
| 9,200.00                    | 7,070.14            | 7,176.78            | 7,176.39            | 73.74           | 30.66       | -92.04                | -2,806.60                         | -641.61    | 3,263.28             | 3,159.28              | 104.00                  | 31.377            |                    |         |
| 9,300.00                    | 7,070.15            | 7,179.23            | 7,178.83            | 76.26           | 30.67       | -92.08                | -2,806.52                         | -641.67    | 3,277.28             | 3,171.03              | 106.25                  | 30.844            |                    |         |
| 9,400.00                    | 7,070.16            | 7,181.68            | 7,181.28            | 78.80           | 30.68       | -92.13                | -2,806.44                         | -641.73    | 3,294.25             | 3,185.81              | 108.45                  | 30.377            |                    |         |
| 9,500.00                    | 7,070.17            | 7,184.13            | 7,183.73            | 81.37           | 30.69       | -92.17                | -2,806.36                         | -641.79    | 3,314.16             | 3,203.59              | 110.57                  | 29.973            |                    |         |
| 9,600.00                    | 7,070.18            | 7,186.58            | 7,186.17            | 83.95           | 30.70       | -92.21                | -2,806.28                         | -641.85    | 3,336.94             | 3,224.31              | 112.63                  | 29.629            |                    |         |
| 9,700.00                    | 7,070.19            | 7,189.02            | 7,188.62            | 86.55           | 30.71       | -92.26                | -2,806.20                         | -641.91    | 3,362.54             | 3,247.94              | 114.60                  | 29.340            |                    |         |
| 9,800.00                    | 7,070.20            | 7,191.47            | 7,191.06            | 89.17           | 30.73       | -92.30                | -2,806.12                         | -641.97    | 3,390.89             | 3,274.39              | 116.50                  | 29.105            |                    |         |
| 9,900.00                    | 7,070.21            | 7,193.92            | 7,193.51            | 91.80           | 30.74       | -92.34                | -2,806.04                         | -642.03    | 3,421.94             | 3,303.62              | 118.32                  | 28.921            |                    |         |
| 10,000.00                   | 7,070.21            | 7,196.37            | 7,195.96            | 94.44           | 30.75       | -92.39                | -2,805.96                         | -642.09    | 3,455.59             | 3,335.54              | 120.06                  | 28.783            |                    |         |
| 10,100.00                   | 7,070.22            | 7,198.82            | 7,198.40            | 97.10           | 30.76       | -92.43                | -2,805.88                         | -642.14    | 3,491.79             | 3,370.08              | 121.70                  | 28.691            |                    |         |
| 10,200.00                   | 7,070.23            | 7,201.27            | 7,200.85            | 99.77           | 30.77       | -92.47                | -2,805.80                         | -642.20    | 3,530.44             | 3,407.17              | 123.27                  | 28.640            |                    |         |
| 10,300.00                   | 7,070.24            | 7,203.71            | 7,203.29            | 102.44          | 30.78       | -92.52                | -2,805.73                         | -642.26    | 3,571.48             | 3,446.73              | 124.75                  | 28.629 SF         |                    |         |
| 10,400.00                   | 7,070.25            | 7,206.16            | 7,205.74            | 105.13          | 30.79       | -92.56                | -2,805.65                         | -642.32    | 3,614.82             | 3,488.67              | 126.15                  | 28.655            |                    |         |
| 10,500.00                   | 7,070.26            | 7,208.61            | 7,208.19            | 107.83          | 30.80       | -92.60                | -2,805.57                         | -642.38    | 3,660.37             | 3,532.90              | 127.47                  | 28.716            |                    |         |
| 10,600.00                   | 7,070.27            | 7,211.06            | 7,210.63            | 110.53          | 30.81       | -92.65                | -2,805.49                         | -642.44    | 3,708.06             | 3,579.35              | 128.70                  | 28.811            |                    |         |
| 10,700.00                   | 7,070.28            | 7,213.51            | 7,213.08            | 113.24          | 30.82       | -92.69                | -2,805.41                         | -642.50    | 3,757.80             | 3,627.94              | 129.87                  | 28.936            |                    |         |
| 10,800.00                   | 7,070.28            | 7,215.95            | 7,215.53            | 115.96          | 30.83       | -92.73                | -2,805.33                         | -642.56    | 3,809.52             | 3,678.57              | 130.95                  | 29.090            |                    |         |
| 10,900.00                   | 7,070.29            | 7,218.40            | 7,217.97            | 118.69          | 30.84       | -92.78                | -2,805.25                         | -642.62    | 3,863.14             | 3,731.16              | 131.97                  | 29.272            |                    |         |
| 11,000.00                   | 7,070.30            | 7,220.85            | 7,220.42            | 121.42          | 30.85       | -92.82                | -2,805.17                         | -642.68    | 3,918.57             | 3,785.65              | 132.92                  | 29.480            |                    |         |
| 11,100.00                   | 7,070.31            | 7,223.30            | 7,222.86            | 124.16          | 30.86       | -92.86                | -2,805.09                         | -642.74    | 3,975.74             | 3,841.94              | 133.81                  | 29.713            |                    |         |
| 11,200.00                   | 7,070.32            | 7,225.75            | 7,225.31            | 126.90          | 30.88       | -92.91                | -2,805.01                         | -642.80    | 4,034.58             | 3,899.95              | 134.63                  | 29.968            |                    |         |
| 11,300.00                   | 7,070.33            | 7,228.20            | 7,227.76            | 129.65          | 30.89       | -92.95                | -2,804.93                         | -642.86    | 4,095.02             | 3,959.62              | 135.39                  | 30.246            |                    |         |
| 11,400.00                   | 7,070.34            | 7,230.64            | 7,230.20            | 132.40          | 30.90       | -92.99                | -2,804.85                         | -642.92    | 4,156.98             | 4,020.88              | 136.10                  | 30.543            |                    |         |
| 11,500.00                   | 7,070.35            | 7,233.09            | 7,232.65            | 135.16          | 30.91       | -93.04                | -2,804.77                         | -642.98    | 4,220.40             | 4,083.64              | 136.76                  | 30.860            |                    |         |
| 11,600.00                   | 7,070.36            | 7,235.54            | 7,235.09            | 137.92          | 30.92       | -93.08                | -2,804.69                         | -643.04    | 4,285.21             | 4,147.85              | 137.37                  | 31.196            |                    |         |
| 11,700.00                   | 7,070.36            | 7,237.99            | 7,237.54            | 140.69          | 30.93       | -93.12                | -2,804.61                         | -643.10    | 4,351.36             | 4,213.43              | 137.93                  | 31.548            |                    |         |
| 11,800.00                   | 7,070.37            | 7,240.44            | 7,239.99            | 143.46          | 30.94       | -93.17                | -2,804.53                         | -643.16    | 4,418.77             | 4,280.33              | 138.44                  | 31.917            |                    |         |
| 11,900.00                   | 7,070.38            | 7,242.88            | 7,242.43            | 146.23          | 30.95       | -93.21                | -2,804.45                         | -643.22    | 4,487.40             | 4,348.48              | 138.92                  | 32.302            |                    |         |
| 12,000.00                   | 7,070.39            | 7,245.33            | 7,244.88            | 149.01          | 30.96       | -93.25                | -2,804.37                         | -643.28    | 4,557.20             | 4,417.84              | 139.36                  | 32.701            |                    |         |
| 12,100.00                   | 7,070.40            | 7,247.78            | 7,247.33            | 151.79          | 30.97       | -93.30                | -2,804.29                         | -643.34    | 4,628.09             | 4,488.33              | 139.76                  | 33.114            |                    |         |
| 12,200.00                   | 7,070.41            | 7,250.23            | 7,249.77            | 154.57          | 30.98       | -93.34                | -2,804.21                         | -643.40    | 4,700.05             | 4,559.92              | 140.13                  | 33.540            |                    |         |
| 12,300.00                   | 7,070.42            | 7,252.68            | 7,252.22            | 157.35          | 30.99       | -93.38                | -2,804.13                         | -643.46    | 4,773.01             | 4,632.54              | 140.47                  | 33.978            |                    |         |
| 12,400.00                   | 7,070.43            | 7,255.13            | 7,254.66            | 160.14          | 31.00       | -93.43                | -2,804.05                         | -643.52    | 4,846.94             | 4,706.16              | 140.78                  | 34.428            |                    |         |
| 12,500.00                   | 7,070.44            | 7,257.57            | 7,257.11            | 162.93          | 31.01       | -93.47                | -2,803.97                         | -643.58    | 4,921.79             | 4,780.72              | 141.07                  | 34.890            |                    |         |
| 12,600.00                   | 7,070.44            | 7,260.02            | 7,259.56            | 165.72          | 31.03       | -93.51                | -2,803.89                         | -643.64    | 4,997.52             | 4,856.19              | 141.33                  | 35.362            |                    |         |
| 12,700.00                   | 7,070.45            | 7,262.47            | 7,262.00            | 168.52          | 31.04       | -93.56                | -2,803.82                         | -643.70    | 5,074.08             | 4,932.52              | 141.56                  | 35.844            |                    |         |
| 12,800.00                   | 7,070.46            | 7,264.92            | 7,264.45            | 171.32          | 31.05       | -93.60                | -2,803.74                         | -643.76    | 5,151.45             | 5,009.68              | 141.77                  | 36.335            |                    |         |
| 12,900.00                   | 7,070.47            | 7,267.37            | 7,266.89            | 174.11          | 31.06       | -93.64                | -2,803.66                         | -643.82    | 5,229.59             | 5,087.62              | 141.97                  | 36.836            |                    |         |
| 13,000.00                   | 7,070.48            | 7,269.81            | 7,269.34            | 176.92          | 31.07       | -93.69                | -2,803.58                         | -643.88    | 5,308.45             | 5,166.31              | 142.14                  | 37.345            |                    |         |
| 13,100.00                   | 7,070.49            | 7,272.26            | 7,271.79            | 179.72          | 31.08       | -93.73                | -2,803.50                         | -643.94    | 5,388.02             | 5,245.72              | 142.30                  | 37.863            |                    |         |
| 13,200.00                   | 7,070.50            | 7,274.71            | 7,274.23            | 182.52          | 31.09       | -93.77                | -2,803.42                         | -644.00    | 5,468.26             | 5,325.82              | 142.45                  | 38.388            |                    |         |
| 13,300.00                   | 7,070.51            | 7,277.16            | 7,276.68            | 185.33          | 31.10       | -93.82                | -2,803.34                         | -644.06    | 5,549.14             | 5,406.57              | 142.57                  | 38.921            |                    |         |
| 13,400.00                   | 7,070.52            | 7,279.61            | 7,279.13            | 188.14          | 31.11       | -93.86                | -2,803.26                         | -644.12    | 5,630.63             | 5,487.94              | 142.69                  | 39.461            |                    |         |
| 13,500.00                   | 7,070.52            | 7,282.06            | 7,281.57            | 190.95          | 31.12       | -93.90                | -2,803.18                         | -644.18    | 5,712.71             | 5,569.92              | 142.79                  | 40.008            |                    |         |
| 13,600.00                   | 7,070.53            | 7,284.50            | 7,284.02            | 193.76          | 31.13       | -93.95                | -2,803.10                         | -644.24    | 5,795.35             | 5,652.47              | 142.88                  | 40.561            |                    |         |
| 13,700.00                   | 7,070.54            | 7,286.95            | 7,286.46            | 196.57          | 31.14       | -93.99                | -2,803.02                         | -644.30    | 5,878.53             | 5,735.57              | 142.96                  | 41.121            |                    |         |
| 13,800.00                   | 7,070.55            | 7,289.40            | 7,288.91            | 199.38          | 31.15       | -94.03                | -2,802.94                         | -644.36    | 5,962.23             | 5,819.20              | 143.03                  | 41.686            |                    |         |
| 13,900.00                   | 7,070.56            | 7,291.85            | 7,291.36            | 202.20          | 31.16       | -94.08                | -2,802.86                         | -644.42    | 6,046.42             | 5,903.33              | 143.09                  | 42.256            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                   | 7,070.57            | 7,294.30            | 7,293.80            | 205.01          | 31.18       | -94.12                | -2,802.78                         | -644.47    | 6,131.08             | 5,987.94              | 143.14                  | 42.833            |                    |         |
| 14,100.00                   | 7,070.58            | 7,296.74            | 7,296.25            | 207.83          | 31.19       | -94.16                | -2,802.70                         | -644.53    | 6,216.20             | 6,073.01              | 143.18                  | 43.414            |                    |         |
| 14,200.00                   | 7,070.59            | 7,299.19            | 7,298.69            | 210.65          | 31.20       | -94.20                | -2,802.62                         | -644.59    | 6,301.75             | 6,158.53              | 143.22                  | 44.000            |                    |         |
| 14,300.00                   | 7,070.60            | 7,301.64            | 7,301.14            | 213.47          | 31.21       | -94.25                | -2,802.54                         | -644.65    | 6,387.73             | 6,244.47              | 143.25                  | 44.591            |                    |         |
| 14,400.00                   | 7,070.60            | 7,304.09            | 7,303.59            | 216.29          | 31.22       | -94.29                | -2,802.46                         | -644.71    | 6,474.10             | 6,330.82              | 143.28                  | 45.186            |                    |         |
| 14,500.00                   | 7,070.61            | 7,306.54            | 7,306.03            | 219.11          | 31.23       | -94.33                | -2,802.38                         | -644.77    | 6,560.86             | 6,417.57              | 143.30                  | 45.785            |                    |         |
| 14,600.00                   | 7,070.62            | 7,308.99            | 7,308.48            | 221.94          | 31.24       | -94.38                | -2,802.30                         | -644.83    | 6,648.00             | 6,504.68              | 143.31                  | 46.389            |                    |         |
| 14,700.00                   | 7,070.63            | 7,311.43            | 7,310.93            | 224.76          | 31.25       | -94.42                | -2,802.22                         | -644.89    | 6,735.48             | 6,592.16              | 143.32                  | 46.996            |                    |         |
| 14,800.00                   | 7,070.64            | 7,313.88            | 7,313.37            | 227.58          | 31.26       | -94.46                | -2,802.14                         | -644.95    | 6,823.32             | 6,679.99              | 143.33                  | 47.607            |                    |         |
| 14,900.00                   | 7,070.65            | 7,316.33            | 7,315.82            | 230.41          | 31.27       | -94.51                | -2,802.06                         | -645.01    | 6,911.48             | 6,768.15              | 143.33                  | 48.222            |                    |         |
| 15,000.00                   | 7,070.66            | 7,318.78            | 7,318.26            | 233.24          | 31.28       | -94.55                | -2,801.99                         | -645.07    | 6,999.96             | 6,856.63              | 143.33                  | 48.840            |                    |         |
| 15,100.00                   | 7,070.67            | 7,321.23            | 7,320.71            | 236.06          | 31.29       | -94.59                | -2,801.91                         | -645.13    | 7,088.74             | 6,945.42              | 143.32                  | 49.461            |                    |         |
| 15,200.00                   | 7,070.68            | 7,323.67            | 7,323.16            | 238.89          | 31.30       | -94.64                | -2,801.83                         | -645.19    | 7,177.82             | 7,034.51              | 143.31                  | 50.085            |                    |         |
| 15,300.00                   | 7,070.68            | 7,326.12            | 7,325.60            | 241.72          | 31.32       | -94.68                | -2,801.75                         | -645.25    | 7,267.18             | 7,123.88              | 143.30                  | 50.712            |                    |         |
| 15,400.00                   | 7,070.69            | 7,328.57            | 7,328.05            | 244.55          | 31.33       | -94.72                | -2,801.67                         | -645.31    | 7,356.82             | 7,213.53              | 143.29                  | 51.343            |                    |         |
| 15,500.00                   | 7,070.70            | 7,331.02            | 7,330.49            | 247.38          | 31.34       | -94.77                | -2,801.59                         | -645.37    | 7,446.72             | 7,303.44              | 143.27                  | 51.975            |                    |         |
| 15,600.00                   | 7,070.71            | 7,333.47            | 7,332.94            | 250.21          | 31.35       | -94.81                | -2,801.51                         | -645.43    | 7,536.87             | 7,393.61              | 143.26                  | 52.611            |                    |         |
| 15,700.00                   | 7,070.72            | 7,335.92            | 7,335.39            | 253.04          | 31.36       | -94.85                | -2,801.43                         | -645.49    | 7,627.27             | 7,484.03              | 143.24                  | 53.249            |                    |         |
| 15,800.00                   | 7,070.73            | 7,338.36            | 7,337.83            | 255.87          | 31.37       | -94.90                | -2,801.35                         | -645.55    | 7,717.90             | 7,574.68              | 143.22                  | 53.889            |                    |         |
| 15,900.00                   | 7,070.74            | 7,340.81            | 7,340.28            | 258.71          | 31.38       | -94.94                | -2,801.27                         | -645.61    | 7,808.76             | 7,665.56              | 143.20                  | 54.532            |                    |         |
| 16,000.00                   | 7,070.75            | 7,343.26            | 7,342.72            | 261.54          | 31.39       | -94.98                | -2,801.19                         | -645.67    | 7,899.84             | 7,756.67              | 143.17                  | 55.176            |                    |         |
| 16,100.00                   | 7,070.76            | 7,345.71            | 7,345.17            | 264.37          | 31.40       | -95.03                | -2,801.11                         | -645.73    | 7,991.13             | 7,847.98              | 143.15                  | 55.823            |                    |         |
| 16,200.00                   | 7,070.76            | 7,348.16            | 7,347.62            | 267.21          | 31.41       | -95.07                | -2,801.03                         | -645.79    | 8,082.63             | 7,939.51              | 143.13                  | 56.472            |                    |         |
| 16,300.00                   | 7,070.77            | 7,350.60            | 7,350.06            | 270.04          | 31.42       | -95.11                | -2,800.95                         | -645.85    | 8,174.33             | 8,031.23              | 143.10                  | 57.123            |                    |         |
| 16,400.00                   | 7,070.78            | 7,353.05            | 7,352.51            | 272.88          | 31.43       | -95.16                | -2,800.87                         | -645.91    | 8,266.22             | 8,123.14              | 143.08                  | 57.775            |                    |         |
| 16,500.00                   | 7,070.79            | 7,355.50            | 7,354.96            | 275.71          | 31.44       | -95.20                | -2,800.79                         | -645.97    | 8,358.29             | 8,215.24              | 143.05                  | 58.430            |                    |         |
| 16,600.00                   | 7,070.80            | 7,357.95            | 7,357.40            | 278.55          | 31.45       | -95.24                | -2,800.71                         | -646.03    | 8,450.55             | 8,307.52              | 143.02                  | 59.086            |                    |         |
| 16,700.00                   | 7,070.81            | 7,360.40            | 7,359.85            | 281.39          | 31.47       | -95.28                | -2,800.63                         | -646.09    | 8,542.97             | 8,399.98              | 143.00                  | 59.743            |                    |         |
| 16,800.00                   | 7,070.82            | 7,362.84            | 7,362.29            | 284.22          | 31.48       | -95.33                | -2,800.55                         | -646.15    | 8,635.57             | 8,492.60              | 142.97                  | 60.402            |                    |         |
| 16,900.00                   | 7,070.83            | 7,365.29            | 7,364.74            | 287.06          | 31.49       | -95.37                | -2,800.47                         | -646.21    | 8,728.33             | 8,585.39              | 142.94                  | 61.063            |                    |         |
| 17,000.00                   | 7,070.84            | 7,367.74            | 7,367.19            | 289.90          | 31.50       | -95.41                | -2,800.39                         | -646.27    | 8,821.24             | 8,678.33              | 142.91                  | 61.724            |                    |         |
| 17,100.00                   | 7,070.84            | 7,370.19            | 7,369.63            | 292.74          | 31.51       | -95.46                | -2,800.31                         | -646.33    | 8,914.31             | 8,771.43              | 142.89                  | 62.388            |                    |         |
| 17,200.00                   | 7,070.85            | 7,372.64            | 7,372.08            | 295.58          | 31.52       | -95.50                | -2,800.23                         | -646.39    | 9,007.53             | 8,864.67              | 142.86                  | 63.052            |                    |         |
| 17,300.00                   | 7,070.86            | 7,375.09            | 7,374.52            | 298.42          | 31.53       | -95.54                | -2,800.15                         | -646.45    | 9,100.89             | 8,958.06              | 142.83                  | 63.718            |                    |         |
| 17,400.00                   | 7,070.87            | 7,377.53            | 7,376.97            | 301.26          | 31.54       | -95.59                | -2,800.08                         | -646.51    | 9,194.39             | 9,051.58              | 142.80                  | 64.384            |                    |         |
| 17,500.00                   | 7,070.88            | 7,379.98            | 7,379.42            | 304.10          | 31.55       | -95.63                | -2,800.00                         | -646.57    | 9,288.02             | 9,145.24              | 142.78                  | 65.052            |                    |         |
| 17,600.00                   | 7,070.89            | 7,382.43            | 7,381.86            | 306.94          | 31.56       | -95.67                | -2,799.92                         | -646.63    | 9,381.78             | 9,239.03              | 142.75                  | 65.721            |                    |         |
| 17,700.00                   | 7,070.90            | 7,384.88            | 7,384.31            | 309.78          | 31.57       | -95.72                | -2,799.84                         | -646.69    | 9,475.68             | 9,332.95              | 142.73                  | 66.391            |                    |         |
| 17,800.00                   | 7,070.91            | 7,387.33            | 7,386.76            | 312.62          | 31.58       | -95.76                | -2,799.76                         | -646.75    | 9,569.69             | 9,426.99              | 142.70                  | 67.062            |                    |         |
| 17,900.00                   | 7,070.92            | 7,389.77            | 7,389.20            | 315.46          | 31.59       | -95.80                | -2,799.68                         | -646.81    | 9,663.82             | 9,521.15              | 142.67                  | 67.733            |                    |         |
| 18,000.00                   | 7,070.92            | 7,392.22            | 7,391.65            | 318.31          | 31.61       | -95.85                | -2,799.60                         | -646.86    | 9,758.07             | 9,615.42              | 142.65                  | 68.406            |                    |         |
| 18,100.00                   | 7,070.93            | 7,394.67            | 7,394.09            | 321.15          | 31.62       | -95.89                | -2,799.52                         | -646.92    | 9,852.44             | 9,709.81              | 142.63                  | 69.079            |                    |         |
| 18,200.00                   | 7,070.94            | 7,397.12            | 7,396.54            | 323.99          | 31.63       | -95.93                | -2,799.44                         | -646.98    | 9,946.91             | 9,804.31              | 142.60                  | 69.753            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -155.68               | -3,870.69                         | -1,749.50  | 4,247.89             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 60.00               | 60.00               | 3.28            | 3.44        | -155.68               | -3,870.69                         | -1,749.50  | 4,247.70             | 4,240.98              | 6.73                    | 631.360           |                    |         |
| 200.00                                  | 200.00              | 160.00              | 160.00              | 3.34            | 5.05        | -155.68               | -3,870.69                         | -1,749.50  | 4,247.70             | 4,239.32              | 8.39                    | 506.447           |                    |         |
| 300.00                                  | 300.00              | 260.00              | 260.00              | 3.44            | 8.03        | -155.68               | -3,870.69                         | -1,749.50  | 4,247.70             | 4,236.23              | 11.48                   | 370.128 CC        |                    |         |
| 400.00                                  | 399.98              | 359.98              | 359.98              | 3.60            | 11.31       | 131.82                | -3,870.69                         | -1,749.50  | 4,248.87             | 4,233.96              | 14.91                   | 284.994           |                    |         |
| 500.00                                  | 499.84              | 459.84              | 459.84              | 3.80            | 14.68       | 131.82                | -3,870.69                         | -1,749.50  | 4,252.36             | 4,233.88              | 18.48                   | 230.106           |                    |         |
| 600.00                                  | 599.45              | 559.45              | 559.45              | 4.04            | 18.08       | 131.82                | -3,870.69                         | -1,749.50  | 4,258.18             | 4,236.06              | 22.13                   | 192.436           |                    |         |
| 700.00                                  | 698.70              | 658.70              | 658.70              | 4.32            | 21.50       | 131.82                | -3,870.69                         | -1,749.50  | 4,266.34             | 4,240.52              | 25.82                   | 165.221           |                    |         |
| 800.00                                  | 797.47              | 757.47              | 757.47              | 4.63            | 24.91       | 131.82                | -3,870.69                         | -1,749.50  | 4,276.85             | 4,247.30              | 29.55                   | 144.756           |                    |         |
| 900.00                                  | 895.62              | 855.62              | 855.62              | 4.97            | 28.31       | 131.82                | -3,870.69                         | -1,749.50  | 4,289.70             | 4,256.42              | 33.29                   | 128.876           |                    |         |
| 924.00                                  | 919.08              | 879.08              | 879.08              | 5.06            | 29.13       | 131.81                | -3,870.69                         | -1,749.50  | 4,293.14             | 4,258.95              | 34.19                   | 125.580           |                    |         |
| 1,000.00                                | 993.28              | 953.28              | 953.28              | 5.34            | 31.70       | 131.97                | -3,870.69                         | -1,749.50  | 4,304.25             | 4,267.21              | 37.04                   | 116.209           |                    |         |
| 1,100.00                                | 1,090.92            | 1,050.92            | 1,050.92            | 5.73            | 35.10       | 132.19                | -3,870.69                         | -1,749.50  | 4,318.92             | 4,278.11              | 40.81                   | 105.824           |                    |         |
| 1,200.00                                | 1,188.56            | 1,148.56            | 1,148.56            | 6.15            | 38.49       | 132.39                | -3,870.69                         | -1,749.50  | 4,333.65             | 4,289.05              | 44.61                   | 97.156            |                    |         |
| 1,300.00                                | 1,286.19            | 1,246.19            | 1,246.19            | 6.57            | 41.89       | 132.60                | -3,870.69                         | -1,749.50  | 4,348.44             | 4,300.03              | 48.41                   | 89.819            |                    |         |
| 1,400.00                                | 1,383.83            | 1,343.83            | 1,343.83            | 7.01            | 45.29       | 132.81                | -3,870.69                         | -1,749.50  | 4,363.28             | 4,311.05              | 52.23                   | 83.533            |                    |         |
| 1,500.00                                | 1,481.47            | 1,441.47            | 1,441.47            | 7.46            | 48.69       | 133.01                | -3,870.69                         | -1,749.50  | 4,378.18             | 4,322.12              | 56.07                   | 78.091            |                    |         |
| 1,600.00                                | 1,579.10            | 1,539.10            | 1,539.10            | 7.91            | 52.09       | 133.22                | -3,870.69                         | -1,749.50  | 4,393.14             | 4,333.24              | 59.90                   | 73.335            |                    |         |
| 1,700.00                                | 1,676.74            | 1,636.74            | 1,636.74            | 8.37            | 55.49       | 133.42                | -3,870.69                         | -1,749.50  | 4,408.15             | 4,344.40              | 63.75                   | 69.146            |                    |         |
| 1,800.00                                | 1,774.38            | 1,734.38            | 1,734.38            | 8.84            | 58.89       | 133.62                | -3,870.69                         | -1,749.50  | 4,423.22             | 4,355.62              | 67.60                   | 65.428            |                    |         |
| 1,900.00                                | 1,872.02            | 1,832.02            | 1,832.02            | 9.31            | 62.30       | 133.82                | -3,870.69                         | -1,749.50  | 4,438.34             | 4,366.88              | 71.46                   | 62.108            |                    |         |
| 2,000.00                                | 1,969.65            | 1,929.65            | 1,929.65            | 9.79            | 65.70       | 134.02                | -3,870.69                         | -1,749.50  | 4,453.52             | 4,378.19              | 75.32                   | 59.125            |                    |         |
| 2,100.00                                | 2,067.29            | 2,027.29            | 2,027.29            | 10.27           | 69.11       | 134.21                | -3,870.69                         | -1,749.50  | 4,468.74             | 4,389.55              | 79.19                   | 56.432            |                    |         |
| 2,200.00                                | 2,164.93            | 2,124.93            | 2,124.93            | 10.75           | 72.51       | 134.41                | -3,870.69                         | -1,749.50  | 4,484.02             | 4,400.96              | 83.06                   | 53.987            |                    |         |
| 2,300.00                                | 2,262.56            | 2,222.56            | 2,222.56            | 11.24           | 75.92       | 134.60                | -3,870.69                         | -1,749.50  | 4,499.35             | 4,412.43              | 86.93                   | 51.760            |                    |         |
| 2,400.00                                | 2,360.20            | 2,320.20            | 2,320.20            | 11.73           | 79.32       | 134.80                | -3,870.69                         | -1,749.50  | 4,514.74             | 4,423.94              | 90.80                   | 49.721            |                    |         |
| 2,500.00                                | 2,457.84            | 2,417.84            | 2,417.84            | 12.22           | 82.73       | 134.99                | -3,870.69                         | -1,749.50  | 4,530.17             | 4,435.49              | 94.68                   | 47.849            |                    |         |
| 2,600.00                                | 2,555.48            | 2,515.48            | 2,515.48            | 12.71           | 86.13       | 135.18                | -3,870.69                         | -1,749.50  | 4,545.65             | 4,447.10              | 98.55                   | 46.124            |                    |         |
| 2,700.00                                | 2,653.11            | 2,613.11            | 2,613.11            | 13.20           | 89.54       | 135.37                | -3,870.69                         | -1,749.50  | 4,561.19             | 4,458.76              | 102.43                  | 44.529            |                    |         |
| 2,800.00                                | 2,750.75            | 2,710.75            | 2,710.75            | 13.70           | 92.94       | 135.56                | -3,870.69                         | -1,749.50  | 4,576.77             | 4,470.46              | 106.31                  | 43.050            |                    |         |
| 2,900.00                                | 2,848.39            | 2,808.39            | 2,808.39            | 14.19           | 96.35       | 135.74                | -3,870.69                         | -1,749.50  | 4,592.40             | 4,482.21              | 110.19                  | 41.676            |                    |         |
| 3,000.00                                | 2,946.02            | 2,906.02            | 2,906.02            | 14.69           | 99.76       | 135.93                | -3,870.69                         | -1,749.50  | 4,608.08             | 4,494.01              | 114.07                  | 40.395            |                    |         |
| 3,100.00                                | 3,043.66            | 3,003.66            | 3,003.66            | 15.19           | 103.16      | 136.11                | -3,870.69                         | -1,749.50  | 4,623.81             | 4,505.85              | 117.96                  | 39.199            |                    |         |
| 3,200.00                                | 3,141.30            | 3,101.30            | 3,101.30            | 15.69           | 106.57      | 136.29                | -3,870.69                         | -1,749.50  | 4,639.59             | 4,517.75              | 121.84                  | 38.079            |                    |         |
| 3,300.00                                | 3,238.94            | 3,201.06            | 3,198.94            | 16.19           | 110.05      | 136.48                | -3,870.69                         | -1,749.50  | 4,655.41             | 4,529.61              | 125.80                  | 37.006            |                    |         |
| 3,400.00                                | 3,336.57            | 3,303.43            | 3,296.57            | 16.69           | 113.62      | 136.66                | -3,870.69                         | -1,749.50  | 4,671.28             | 4,541.43              | 129.85                  | 35.974            |                    |         |
| 3,500.00                                | 3,434.21            | 3,405.79            | 3,394.21            | 17.19           | 117.20      | 136.84                | -3,870.69                         | -1,749.50  | 4,687.19             | 4,553.29              | 133.90                  | 35.005            |                    |         |
| 3,600.00                                | 3,531.85            | 3,508.15            | 3,491.85            | 17.69           | 120.77      | 137.01                | -3,870.69                         | -1,749.50  | 4,703.15             | 4,565.20              | 137.95                  | 34.093            |                    |         |
| 3,700.00                                | 3,629.48            | 3,589.48            | 3,589.48            | 18.20           | 123.61      | 137.19                | -3,870.69                         | -1,749.50  | 4,719.16             | 4,577.89              | 141.27                  | 33.406            |                    |         |
| 3,800.00                                | 3,727.12            | 3,687.12            | 3,687.12            | 18.70           | 127.01      | 137.37                | -3,870.69                         | -1,749.50  | 4,735.21             | 4,590.05              | 145.15                  | 32.622            |                    |         |
| 3,900.00                                | 3,824.76            | 3,784.76            | 3,784.76            | 19.21           | 130.42      | 137.54                | -3,870.69                         | -1,749.50  | 4,751.30             | 4,602.26              | 149.04                  | 31.879            |                    |         |
| 4,000.00                                | 3,922.40            | 3,882.40            | 3,882.40            | 19.71           | 133.83      | 137.72                | -3,870.69                         | -1,749.50  | 4,767.44             | 4,614.51              | 152.93                  | 31.174            |                    |         |
| 4,100.00                                | 4,020.03            | 3,980.03            | 3,980.03            | 20.21           | 137.24      | 137.89                | -3,870.69                         | -1,749.50  | 4,783.62             | 4,626.80              | 156.82                  | 30.505            |                    |         |
| 4,200.00                                | 4,117.67            | 4,077.67            | 4,077.67            | 20.72           | 140.64      | 138.06                | -3,870.69                         | -1,749.50  | 4,799.84             | 4,639.14              | 160.70                  | 29.868            |                    |         |
| 4,300.00                                | 4,215.31            | 4,175.31            | 4,175.31            | 21.23           | 144.05      | 138.23                | -3,870.69                         | -1,749.50  | 4,816.11             | 4,651.52              | 164.59                  | 29.261            |                    |         |
| 4,400.00                                | 4,312.94            | 4,272.94            | 4,272.94            | 21.73           | 147.46      | 138.40                | -3,870.69                         | -1,749.50  | 4,832.41             | 4,663.93              | 168.48                  | 28.682            |                    |         |
| 4,500.00                                | 4,410.58            | 4,370.58            | 4,370.58            | 22.24           | 150.87      | 138.57                | -3,870.69                         | -1,749.50  | 4,848.76             | 4,676.40              | 172.37                  | 28.130            |                    |         |
| 4,600.00                                | 4,508.22            | 4,468.22            | 4,468.22            | 22.75           | 154.28      | 138.73                | -3,870.69                         | -1,749.50  | 4,865.15             | 4,688.90              | 176.26                  | 27.603            |                    |         |
| 4,700.00                                | 4,605.86            | 4,565.86            | 4,565.86            | 23.25           | 157.68      | 138.90                | -3,870.69                         | -1,749.50  | 4,881.58             | 4,701.44              | 180.15                  | 27.098            |                    |         |
| 4,800.00                                | 4,703.49            | 4,663.49            | 4,663.49            | 23.76           | 161.09      | 139.06                | -3,870.69                         | -1,749.50  | 4,898.05             | 4,714.02              | 184.03                  | 26.615            |                    |         |
| 4,900.00                                | 4,801.13            | 4,761.13            | 4,761.13            | 24.27           | 164.50      | 139.23                | -3,870.69                         | -1,749.50  | 4,914.57             | 4,726.64              | 187.92                  | 26.152            |                    |         |
| 5,000.00                                | 4,898.77            | 4,858.77            | 4,858.77            | 24.77           | 167.91      | 139.39                | -3,870.69                         | -1,749.50  | 4,931.12             | 4,739.30              | 191.81                  | 25.708            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 4,956.40            | 4,956.40            | 25.28           | 171.31      | 139.55                | -3,870.69                         | -1,749.50  | 4,947.70             | 4,752.01              | 195.70                  | 25.282            |                    |         |
| 5,200.00                                | 5,094.04            | 5,054.04            | 5,054.04            | 25.79           | 174.72      | 139.71                | -3,870.69                         | -1,749.50  | 4,964.33             | 4,764.74              | 199.59                  | 24.873            |                    |         |
| 5,300.00                                | 5,191.68            | 5,151.68            | 5,151.68            | 26.30           | 178.13      | 139.87                | -3,870.69                         | -1,749.50  | 4,981.00             | 4,777.52              | 203.48                  | 24.480            |                    |         |
| 5,400.00                                | 5,289.32            | 5,249.32            | 5,249.32            | 26.81           | 181.54      | 140.03                | -3,870.69                         | -1,749.50  | 4,997.70             | 4,790.34              | 207.36                  | 24.101            |                    |         |
| 5,500.00                                | 5,386.95            | 5,346.95            | 5,346.95            | 27.32           | 184.95      | 140.18                | -3,870.69                         | -1,749.50  | 5,014.44             | 4,803.19              | 211.25                  | 23.737            |                    |         |
| 5,600.00                                | 5,484.59            | 5,444.59            | 5,444.59            | 27.83           | 188.35      | 140.34                | -3,870.69                         | -1,749.50  | 5,031.22             | 4,816.08              | 215.14                  | 23.386            |                    |         |
| 5,700.00                                | 5,582.23            | 5,542.23            | 5,542.23            | 28.33           | 191.76      | 140.50                | -3,870.69                         | -1,749.50  | 5,048.04             | 4,829.01              | 219.03                  | 23.047            |                    |         |
| 5,800.00                                | 5,679.87            | 5,639.87            | 5,639.87            | 28.84           | 195.17      | 140.65                | -3,870.69                         | -1,749.50  | 5,064.89             | 4,841.97              | 222.92                  | 22.721            |                    |         |
| 5,900.00                                | 5,777.50            | 5,737.50            | 5,737.50            | 29.35           | 198.58      | 140.80                | -3,870.69                         | -1,749.50  | 5,081.78             | 4,854.97              | 226.81                  | 22.406            |                    |         |
| 6,000.00                                | 5,875.14            | 5,835.14            | 5,835.14            | 29.86           | 201.99      | 140.95                | -3,870.69                         | -1,749.50  | 5,098.70             | 4,868.00              | 230.70                  | 22.101            |                    |         |
| 6,100.00                                | 5,972.78            | 5,932.78            | 5,932.78            | 30.37           | 205.39      | 141.11                | -3,870.69                         | -1,749.50  | 5,115.66             | 4,881.07              | 234.58                  | 21.807            |                    |         |
| 6,200.00                                | 6,070.41            | 6,030.41            | 6,030.41            | 30.88           | 208.80      | 141.26                | -3,870.69                         | -1,749.50  | 5,132.65             | 4,894.18              | 238.47                  | 21.523            |                    |         |
| 6,300.00                                | 6,168.05            | 6,128.05            | 6,128.05            | 31.39           | 212.21      | 141.40                | -3,870.69                         | -1,749.50  | 5,149.68             | 4,907.32              | 242.36                  | 21.248            |                    |         |
| 6,400.00                                | 6,265.69            | 6,225.69            | 6,225.69            | 31.90           | 215.62      | 141.55                | -3,870.69                         | -1,749.50  | 5,166.74             | 4,920.49              | 246.25                  | 20.982            |                    |         |
| 6,439.09                                | 6,303.85            | 6,263.85            | 6,263.85            | 32.10           | 216.95      | 141.61                | -3,870.69                         | -1,749.50  | 5,173.42             | 4,925.65              | 247.77                  | 20.880            |                    |         |
| 6,450.00                                | 6,314.53            | 6,274.53            | 6,274.53            | 32.16           | 217.32      | 143.24                | -3,870.69                         | -1,749.50  | 5,175.23             | 4,927.04              | 248.19                  | 20.852            |                    |         |
| 6,500.00                                | 6,363.83            | 6,323.83            | 6,323.83            | 32.39           | 219.04      | 155.22                | -3,870.69                         | -1,749.50  | 5,182.22             | 4,932.08              | 250.14                  | 20.717            |                    |         |
| 6,550.00                                | 6,413.58            | 6,373.58            | 6,373.58            | 32.60           | 220.78      | -171.83               | -3,870.69                         | -1,749.50  | 5,187.01             | 4,934.93              | 252.09                  | 20.576            |                    |         |
| 6,600.00                                | 6,463.45            | 6,423.45            | 6,423.45            | 32.79           | 222.52      | -110.83               | -3,870.69                         | -1,749.50  | 5,189.57             | 4,935.54              | 254.02                  | 20.430            |                    |         |
| 6,650.00                                | 6,513.15            | 6,473.15            | 6,473.15            | 32.97           | 224.26      | -83.36                | -3,870.69                         | -1,749.50  | 5,189.87             | 4,933.93              | 255.94                  | 20.278            |                    |         |
| 6,700.00                                | 6,562.37            | 6,522.37            | 6,522.37            | 33.15           | 225.97      | -73.59                | -3,870.69                         | -1,749.50  | 5,187.94             | 4,930.10              | 257.84                  | 20.121            |                    |         |
| 6,750.00                                | 6,610.80            | 6,570.80            | 6,570.80            | 33.34           | 227.67      | -69.20                | -3,870.69                         | -1,749.50  | 5,183.79             | 4,924.09              | 259.71                  | 19.960            |                    |         |
| 6,800.00                                | 6,658.14            | 6,618.14            | 6,618.14            | 33.53           | 229.32      | -67.05                | -3,870.69                         | -1,749.50  | 5,177.49             | 4,915.94              | 261.54                  | 19.796            |                    |         |
| 6,850.00                                | 6,704.11            | 6,664.11            | 6,664.11            | 33.74           | 230.92      | -66.08                | -3,870.69                         | -1,749.50  | 5,169.08             | 4,905.74              | 263.33                  | 19.629            |                    |         |
| 6,900.00                                | 6,748.42            | 6,708.42            | 6,708.42            | 33.97           | 232.47      | -65.86                | -3,870.69                         | -1,749.50  | 5,158.65             | 4,893.57              | 265.07                  | 19.461            |                    |         |
| 6,950.00                                | 6,790.79            | 6,750.79            | 6,750.79            | 34.21           | 233.95      | -66.18                | -3,870.69                         | -1,749.50  | 5,146.30             | 4,879.55              | 266.76                  | 19.292            |                    |         |
| 7,000.00                                | 6,830.97            | 6,809.03            | 6,790.97            | 34.48           | 235.98      | -66.90                | -3,870.69                         | -1,749.50  | 5,132.15             | 4,863.15              | 269.01                  | 19.078            |                    |         |
| 7,050.00                                | 6,868.71            | 6,828.71            | 6,828.71            | 34.77           | 236.67      | -67.97                | -3,870.69                         | -1,749.50  | 5,116.32             | 4,846.39              | 269.93                  | 18.954            |                    |         |
| 7,100.00                                | 6,903.77            | 6,863.77            | 6,863.77            | 35.09           | 237.89      | -69.32                | -3,870.69                         | -1,749.50  | 5,098.95             | 4,827.54              | 271.41                  | 18.787            |                    |         |
| 7,150.00                                | 6,935.93            | 6,904.07            | 6,895.93            | 35.44           | 239.30      | -70.93                | -3,870.69                         | -1,749.50  | 5,080.19             | 4,807.10              | 273.10                  | 18.602            |                    |         |
| 7,200.00                                | 6,965.01            | 6,925.01            | 6,925.01            | 35.83           | 240.03      | -72.75                | -3,870.69                         | -1,749.50  | 5,060.20             | 4,786.06              | 274.14                  | 18.458            |                    |         |
| 7,250.00                                | 6,990.82            | 6,950.82            | 6,950.82            | 36.26           | 240.93      | -74.76                | -3,870.69                         | -1,749.50  | 5,039.14             | 4,763.75              | 275.39                  | 18.298            |                    |         |
| 7,300.00                                | 7,013.20            | 6,973.20            | 6,973.20            | 36.72           | 241.71      | -76.93                | -3,870.69                         | -1,749.50  | 5,017.18             | 4,740.63              | 276.56                  | 18.142            |                    |         |
| 7,350.00                                | 7,032.02            | 7,007.98            | 6,992.02            | 37.23           | 242.93      | -79.21                | -3,870.69                         | -1,749.50  | 4,994.50             | 4,716.30              | 278.20                  | 17.953            |                    |         |
| 7,400.00                                | 7,047.15            | 7,007.15            | 7,007.15            | 37.77           | 242.90      | -81.60                | -3,870.69                         | -1,749.50  | 4,971.25             | 4,692.62              | 278.63                  | 17.842            |                    |         |
| 7,450.00                                | 7,058.51            | 7,018.51            | 7,018.51            | 38.34           | 243.29      | -84.04                | -3,870.69                         | -1,749.50  | 4,947.63             | 4,668.10              | 279.53                  | 17.700            |                    |         |
| 7,500.00                                | 7,066.02            | 7,026.02            | 7,026.02            | 38.95           | 243.56      | -86.50                | -3,870.69                         | -1,749.50  | 4,923.78             | 4,643.45              | 280.33                  | 17.564            |                    |         |
| 7,550.00                                | 7,069.64            | 7,029.64            | 7,029.64            | 39.58           | 243.68      | -88.96                | -3,870.69                         | -1,749.50  | 4,899.88             | 4,618.86              | 281.02                  | 17.436            |                    |         |
| 7,571.20                                | 7,070.00            | 7,030.00            | 7,030.00            | 39.85           | 243.69      | -90.00                | -3,870.69                         | -1,749.50  | 4,889.77             | 4,608.49              | 281.28                  | 17.384            |                    |         |
| 7,600.00                                | 7,070.00            | 7,030.00            | 7,030.00            | 40.23           | 243.69      | -90.00                | -3,870.69                         | -1,749.50  | 4,876.12             | 4,594.49              | 281.63                  | 17.314            |                    |         |
| 7,700.00                                | 7,070.01            | 7,030.01            | 7,030.01            | 41.64           | 243.69      | -90.00                | -3,870.69                         | -1,749.50  | 4,829.75             | 4,546.80              | 282.95                  | 17.069            |                    |         |
| 7,800.00                                | 7,070.02            | 7,030.02            | 7,030.02            | 43.20           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,785.01             | 4,500.58              | 284.43                  | 16.823            |                    |         |
| 7,900.00                                | 7,070.03            | 7,030.03            | 7,030.03            | 44.89           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,741.97             | 4,455.90              | 286.06                  | 16.577            |                    |         |
| 8,000.00                                | 7,070.04            | 7,030.04            | 7,030.04            | 46.69           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,700.66             | 4,412.81              | 287.84                  | 16.331            |                    |         |
| 8,100.00                                | 7,070.05            | 7,030.05            | 7,030.05            | 48.60           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,661.13             | 4,371.37              | 289.75                  | 16.087            |                    |         |
| 8,200.00                                | 7,070.05            | 7,030.05            | 7,030.05            | 50.59           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,623.42             | 4,331.64              | 291.78                  | 15.845            |                    |         |
| 8,300.00                                | 7,070.06            | 7,030.06            | 7,030.06            | 52.66           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,587.58             | 4,293.66              | 293.92                  | 15.608            |                    |         |
| 8,400.00                                | 7,070.07            | 7,030.07            | 7,030.07            | 54.81           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,553.66             | 4,257.49              | 296.17                  | 15.375            |                    |         |
| 8,500.00                                | 7,070.08            | 7,030.08            | 7,030.08            | 57.02           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,521.70             | 4,223.20              | 298.50                  | 15.148            |                    |         |
| 8,600.00                                | 7,070.09            | 7,030.09            | 7,030.09            | 59.28           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,491.73             | 4,190.82              | 300.91                  | 14.927            |                    |         |
| 8,700.00                                | 7,070.10            | 7,030.10            | 7,030.10            | 61.60           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,463.81             | 4,160.42              | 303.39                  | 14.713            |                    |         |
| 8,800.00                                | 7,070.11            | 7,030.11            | 7,030.11            | 63.95           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,437.96             | 4,132.03              | 305.93                  | 14.506            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,030.12            | 7,030.12            | 66.35           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,414.23             | 4,105.70              | 308.53                  | 14.307            |                    |         |
| 9,000.00                                | 7,070.13            | 7,030.13            | 7,030.13            | 68.79           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,392.64             | 4,081.48              | 311.16                  | 14.117            |                    |         |
| 9,100.00                                | 7,070.13            | 7,030.13            | 7,030.13            | 71.25           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,373.24             | 4,059.40              | 313.83                  | 13.935            |                    |         |
| 9,200.00                                | 7,070.14            | 7,030.14            | 7,030.14            | 73.74           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,356.04             | 4,039.51              | 316.53                  | 13.762            |                    |         |
| 9,300.00                                | 7,070.15            | 7,030.15            | 7,030.15            | 76.26           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,341.09             | 4,021.84              | 319.25                  | 13.598            |                    |         |
| 9,400.00                                | 7,070.16            | 7,030.16            | 7,030.16            | 78.80           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,328.39             | 4,006.42              | 321.97                  | 13.443            |                    |         |
| 9,500.00                                | 7,070.17            | 7,030.17            | 7,030.17            | 81.37           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,317.97             | 3,993.27              | 324.70                  | 13.298            |                    |         |
| 9,600.00                                | 7,070.18            | 7,030.18            | 7,030.18            | 83.95           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,309.85             | 3,982.42              | 327.42                  | 13.163            |                    |         |
| 9,700.00                                | 7,070.19            | 7,030.19            | 7,030.19            | 86.55           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,304.03             | 3,973.90              | 330.13                  | 13.037            |                    |         |
| 9,800.00                                | 7,070.20            | 7,030.20            | 7,030.20            | 89.17           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,300.53             | 3,967.71              | 332.83                  | 12.921            |                    |         |
| 9,900.00                                | 7,070.21            | 7,030.21            | 7,030.21            | 91.80           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,299.36             | 3,963.86              | 335.50                  | 12.815            |                    |         |
| 9,900.44                                | 7,070.21            | 7,030.21            | 7,030.21            | 91.81           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,299.36             | 3,963.85              | 335.51                  | 12.814            |                    |         |
| 10,000.00                               | 7,070.21            | 7,030.21            | 7,030.21            | 94.44           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,300.51             | 3,962.38              | 338.13                  | 12.718 ES         |                    |         |
| 10,100.00                               | 7,070.22            | 7,030.22            | 7,030.22            | 97.10           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,303.99             | 3,963.26              | 340.73                  | 12.632            |                    |         |
| 10,200.00                               | 7,070.23            | 7,030.23            | 7,030.23            | 99.77           | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,309.78             | 3,966.49              | 343.29                  | 12.554            |                    |         |
| 10,300.00                               | 7,070.24            | 7,030.24            | 7,030.24            | 102.44          | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,317.89             | 3,972.08              | 345.81                  | 12.486            |                    |         |
| 10,400.00                               | 7,070.25            | 7,030.25            | 7,030.25            | 105.13          | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,328.29             | 3,980.02              | 348.27                  | 12.428            |                    |         |
| 10,500.00                               | 7,070.26            | 7,030.26            | 7,030.26            | 107.83          | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,340.97             | 3,990.29              | 350.67                  | 12.379            |                    |         |
| 10,600.00                               | 7,070.27            | 7,030.27            | 7,030.27            | 110.53          | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,355.90             | 4,002.89              | 353.02                  | 12.339            |                    |         |
| 10,700.00                               | 7,070.28            | 7,030.28            | 7,030.28            | 113.24          | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,373.08             | 4,017.78              | 355.30                  | 12.308            |                    |         |
| 10,800.00                               | 7,070.28            | 7,030.28            | 7,030.28            | 115.96          | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,392.46             | 4,034.94              | 357.52                  | 12.286            |                    |         |
| 10,900.00                               | 7,070.29            | 7,030.29            | 7,030.29            | 118.69          | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,414.03             | 4,054.36              | 359.67                  | 12.272            |                    |         |
| 11,000.00                               | 7,070.30            | 7,030.30            | 7,030.30            | 121.42          | 243.70      | -90.00                | -3,870.69                         | -1,749.50  | 4,437.74             | 4,075.99              | 361.75                  | 12.267 SF         |                    |         |
| 11,100.00                               | 7,070.31            | 7,030.31            | 7,030.31            | 124.16          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,463.57             | 4,099.81              | 363.76                  | 12.271            |                    |         |
| 11,200.00                               | 7,070.32            | 7,030.32            | 7,030.32            | 126.90          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,491.48             | 4,125.78              | 365.70                  | 12.282            |                    |         |
| 11,300.00                               | 7,070.33            | 7,030.33            | 7,030.33            | 129.65          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,521.42             | 4,153.86              | 367.56                  | 12.301            |                    |         |
| 11,400.00                               | 7,070.34            | 7,030.34            | 7,030.34            | 132.40          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,553.37             | 4,184.02              | 369.35                  | 12.328            |                    |         |
| 11,500.00                               | 7,070.35            | 7,030.35            | 7,030.35            | 135.16          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,587.28             | 4,216.20              | 371.07                  | 12.362            |                    |         |
| 11,600.00                               | 7,070.36            | 7,030.36            | 7,030.36            | 137.92          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,623.10             | 4,250.38              | 372.72                  | 12.404            |                    |         |
| 11,700.00                               | 7,070.36            | 7,030.36            | 7,030.36            | 140.69          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,660.79             | 4,286.49              | 374.29                  | 12.452            |                    |         |
| 11,800.00                               | 7,070.37            | 7,030.37            | 7,030.37            | 143.46          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,700.30             | 4,324.51              | 375.79                  | 12.508            |                    |         |
| 11,900.00                               | 7,070.38            | 7,030.38            | 7,030.38            | 146.23          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,741.60             | 4,364.37              | 377.22                  | 12.570            |                    |         |
| 12,000.00                               | 7,070.39            | 7,030.39            | 7,030.39            | 149.01          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,784.63             | 4,406.04              | 378.59                  | 12.638            |                    |         |
| 12,100.00                               | 7,070.40            | 7,030.40            | 7,030.40            | 151.79          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,829.35             | 4,449.46              | 379.88                  | 12.713            |                    |         |
| 12,200.00                               | 7,070.41            | 7,030.41            | 7,030.41            | 154.57          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,875.70             | 4,494.59              | 381.11                  | 12.793            |                    |         |
| 12,300.00                               | 7,070.42            | 7,030.42            | 7,030.42            | 157.35          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,923.66             | 4,541.38              | 382.27                  | 12.880            |                    |         |
| 12,400.00                               | 7,070.43            | 7,030.43            | 7,030.43            | 160.14          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 4,973.16             | 4,589.78              | 383.38                  | 12.972            |                    |         |
| 12,500.00                               | 7,070.44            | 7,030.44            | 7,030.44            | 162.93          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,024.16             | 4,639.75              | 384.42                  | 13.070            |                    |         |
| 12,600.00                               | 7,070.44            | 7,030.44            | 7,030.44            | 165.72          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,076.63             | 4,691.22              | 385.40                  | 13.172            |                    |         |
| 12,700.00                               | 7,070.45            | 7,030.45            | 7,030.45            | 168.52          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,130.50             | 4,744.17              | 386.33                  | 13.280            |                    |         |
| 12,800.00                               | 7,070.46            | 7,030.46            | 7,030.46            | 171.32          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,185.75             | 4,798.54              | 387.20                  | 13.393            |                    |         |
| 12,900.00                               | 7,070.47            | 7,030.47            | 7,030.47            | 174.11          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,242.32             | 4,854.29              | 388.02                  | 13.510            |                    |         |
| 13,000.00                               | 7,070.48            | 7,030.48            | 7,030.48            | 176.92          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,300.17             | 4,911.38              | 388.79                  | 13.632            |                    |         |
| 13,100.00                               | 7,070.49            | 7,030.49            | 7,030.49            | 179.72          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,359.26             | 4,969.75              | 389.52                  | 13.759            |                    |         |
| 13,200.00                               | 7,070.50            | 7,030.50            | 7,030.50            | 182.52          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,419.56             | 5,029.36              | 390.19                  | 13.889            |                    |         |
| 13,300.00                               | 7,070.51            | 7,030.51            | 7,030.51            | 185.33          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,481.01             | 5,090.19              | 390.83                  | 14.024            |                    |         |
| 13,400.00                               | 7,070.52            | 7,030.52            | 7,030.52            | 188.14          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,543.59             | 5,152.17              | 391.42                  | 14.163            |                    |         |
| 13,500.00                               | 7,070.52            | 7,030.52            | 7,030.52            | 190.95          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,607.26             | 5,215.29              | 391.97                  | 14.305            |                    |         |
| 13,600.00                               | 7,070.53            | 7,030.53            | 7,030.53            | 193.76          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,671.97             | 5,279.49              | 392.49                  | 14.451            |                    |         |
| 13,700.00                               | 7,070.54            | 7,030.54            | 7,030.54            | 196.57          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,737.70             | 5,344.73              | 392.96                  | 14.601            |                    |         |
| 13,800.00                               | 7,070.55            | 7,030.55            | 7,030.55            | 199.38          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,804.40             | 5,410.99              | 393.41                  | 14.754            |                    |         |
| 13,900.00                               | 7,070.56            | 7,030.56            | 7,030.56            | 202.20          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,872.05             | 5,478.23              | 393.82                  | 14.910            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,030.57            | 7,030.57            | 205.01          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 5,940.61             | 5,546.41              | 394.20                  | 15.070            |                    |         |
| 14,100.00                               | 7,070.58            | 7,030.58            | 7,030.58            | 207.83          | 243.71      | -90.00                | -3,870.69                         | -1,749.50  | 6,010.06             | 5,615.50              | 394.56                  | 15.232            |                    |         |
| 14,200.00                               | 7,070.59            | 7,030.59            | 7,030.59            | 210.65          | 243.71      | -90.01                | -3,870.69                         | -1,749.50  | 6,080.36             | 5,685.48              | 394.88                  | 15.398            |                    |         |
| 14,300.00                               | 7,070.60            | 7,030.60            | 7,030.60            | 213.47          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,151.47             | 5,756.30              | 395.18                  | 15.566            |                    |         |
| 14,400.00                               | 7,070.60            | 7,030.60            | 7,030.60            | 216.29          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,223.39             | 5,827.93              | 395.45                  | 15.737            |                    |         |
| 14,500.00                               | 7,070.61            | 7,030.61            | 7,030.61            | 219.11          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,296.07             | 5,900.36              | 395.71                  | 15.911            |                    |         |
| 14,600.00                               | 7,070.62            | 7,030.62            | 7,030.62            | 221.94          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,369.49             | 5,973.55              | 395.93                  | 16.087            |                    |         |
| 14,700.00                               | 7,070.63            | 7,030.63            | 7,030.63            | 224.76          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,443.62             | 6,047.48              | 396.14                  | 16.266            |                    |         |
| 14,800.00                               | 7,070.64            | 7,030.64            | 7,030.64            | 227.58          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,518.45             | 6,122.12              | 396.33                  | 16.447            |                    |         |
| 14,900.00                               | 7,070.65            | 7,030.65            | 7,030.65            | 230.41          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,593.95             | 6,197.44              | 396.50                  | 16.630            |                    |         |
| 15,000.00                               | 7,070.66            | 7,030.66            | 7,030.66            | 233.24          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,670.08             | 6,273.43              | 396.66                  | 16.816            |                    |         |
| 15,100.00                               | 7,070.67            | 7,030.67            | 7,030.67            | 236.06          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,746.85             | 6,350.05              | 396.80                  | 17.003            |                    |         |
| 15,200.00                               | 7,070.68            | 7,030.68            | 7,030.68            | 238.89          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,824.21             | 6,427.29              | 396.92                  | 17.193            |                    |         |
| 15,300.00                               | 7,070.68            | 7,030.68            | 7,030.68            | 241.72          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,902.16             | 6,505.13              | 397.03                  | 17.385            |                    |         |
| 15,400.00                               | 7,070.69            | 7,030.69            | 7,030.69            | 244.55          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 6,980.66             | 6,583.54              | 397.12                  | 17.578            |                    |         |
| 15,500.00                               | 7,070.70            | 7,030.70            | 7,030.70            | 247.38          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,059.72             | 6,662.51              | 397.20                  | 17.774            |                    |         |
| 15,600.00                               | 7,070.71            | 7,030.71            | 7,030.71            | 250.21          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,139.29             | 6,742.02              | 397.27                  | 17.971            |                    |         |
| 15,700.00                               | 7,070.72            | 7,030.72            | 7,030.72            | 253.04          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,219.38             | 6,822.04              | 397.33                  | 18.170            |                    |         |
| 15,800.00                               | 7,070.73            | 7,030.73            | 7,030.73            | 255.87          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,299.95             | 6,902.57              | 397.38                  | 18.370            |                    |         |
| 15,900.00                               | 7,070.74            | 7,030.74            | 7,030.74            | 258.71          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,381.00             | 6,983.58              | 397.42                  | 18.572            |                    |         |
| 16,000.00                               | 7,070.75            | 7,030.75            | 7,030.75            | 261.54          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,462.52             | 7,065.07              | 397.45                  | 18.776            |                    |         |
| 16,100.00                               | 7,070.76            | 7,030.76            | 7,030.76            | 264.37          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,544.47             | 7,147.00              | 397.47                  | 18.981            |                    |         |
| 16,200.00                               | 7,070.76            | 7,030.76            | 7,030.76            | 267.21          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,626.86             | 7,229.37              | 397.49                  | 19.188            |                    |         |
| 16,300.00                               | 7,070.77            | 7,030.77            | 7,030.77            | 270.04          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,709.66             | 7,312.17              | 397.49                  | 19.396            |                    |         |
| 16,400.00                               | 7,070.78            | 7,030.78            | 7,030.78            | 272.88          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,792.87             | 7,395.38              | 397.49                  | 19.605            |                    |         |
| 16,500.00                               | 7,070.79            | 7,030.79            | 7,030.79            | 275.71          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,876.47             | 7,478.98              | 397.48                  | 19.816            |                    |         |
| 16,600.00                               | 7,070.80            | 7,030.80            | 7,030.80            | 278.55          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 7,960.44             | 7,562.97              | 397.47                  | 20.028            |                    |         |
| 16,700.00                               | 7,070.81            | 7,030.81            | 7,030.81            | 281.39          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 8,044.78             | 7,647.33              | 397.45                  | 20.241            |                    |         |
| 16,800.00                               | 7,070.82            | 7,030.82            | 7,030.82            | 284.22          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 8,129.48             | 7,732.05              | 397.43                  | 20.455            |                    |         |
| 16,900.00                               | 7,070.83            | 7,030.83            | 7,030.83            | 287.06          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 8,214.52             | 7,817.12              | 397.40                  | 20.671            |                    |         |
| 17,000.00                               | 7,070.84            | 7,030.84            | 7,030.84            | 289.90          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 8,299.90             | 7,902.53              | 397.36                  | 20.887            |                    |         |
| 17,100.00                               | 7,070.84            | 7,030.84            | 7,030.84            | 292.74          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 8,385.59             | 7,988.27              | 397.33                  | 21.105            |                    |         |
| 17,200.00                               | 7,070.85            | 7,030.85            | 7,030.85            | 295.58          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 8,471.61             | 8,074.32              | 397.28                  | 21.324            |                    |         |
| 17,300.00                               | 7,070.86            | 7,030.86            | 7,030.86            | 298.42          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 8,557.92             | 8,160.68              | 397.24                  | 21.544            |                    |         |
| 17,400.00                               | 7,070.87            | 7,030.87            | 7,030.87            | 301.26          | 243.72      | -90.01                | -3,870.69                         | -1,749.50  | 8,644.53             | 8,247.34              | 397.19                  | 21.764            |                    |         |
| 17,500.00                               | 7,070.88            | 7,030.88            | 7,030.88            | 304.10          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 8,731.43             | 8,334.29              | 397.14                  | 21.986            |                    |         |
| 17,600.00                               | 7,070.89            | 7,030.89            | 7,030.89            | 306.94          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 8,818.60             | 8,421.52              | 397.08                  | 22.208            |                    |         |
| 17,700.00                               | 7,070.90            | 7,030.90            | 7,030.90            | 309.78          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 8,906.05             | 8,509.02              | 397.03                  | 22.432            |                    |         |
| 17,800.00                               | 7,070.91            | 7,030.91            | 7,030.91            | 312.62          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 8,993.75             | 8,596.78              | 396.97                  | 22.656            |                    |         |
| 17,900.00                               | 7,070.92            | 7,030.92            | 7,030.92            | 315.46          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,081.71             | 8,684.81              | 396.91                  | 22.881            |                    |         |
| 18,000.00                               | 7,070.92            | 7,030.92            | 7,030.92            | 318.31          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,169.92             | 8,773.08              | 396.84                  | 23.107            |                    |         |
| 18,100.00                               | 7,070.93            | 7,030.93            | 7,030.93            | 321.15          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,258.36             | 8,861.59              | 396.78                  | 23.334            |                    |         |
| 18,200.00                               | 7,070.94            | 7,030.94            | 7,030.94            | 323.99          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,347.04             | 8,950.33              | 396.71                  | 23.561            |                    |         |
| 18,300.00                               | 7,070.95            | 7,030.95            | 7,030.95            | 326.83          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,435.95             | 9,039.31              | 396.64                  | 23.790            |                    |         |
| 18,400.00                               | 7,070.96            | 7,030.96            | 7,030.96            | 329.68          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,525.07             | 9,128.50              | 396.57                  | 24.018            |                    |         |
| 18,500.00                               | 7,070.97            | 7,030.97            | 7,030.97            | 332.52          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,614.41             | 9,217.91              | 396.50                  | 24.248            |                    |         |
| 18,600.00                               | 7,070.98            | 7,030.98            | 7,030.98            | 335.36          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,703.96             | 9,307.53              | 396.43                  | 24.478            |                    |         |
| 18,700.00                               | 7,070.99            | 7,030.99            | 7,030.99            | 338.21          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,793.71             | 9,397.35              | 396.36                  | 24.709            |                    |         |
| 18,800.00                               | 7,070.99            | 7,030.99            | 7,030.99            | 341.05          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,883.66             | 9,487.37              | 396.28                  | 24.941            |                    |         |
| 18,858.54                               | 7,071.00            | 7,031.00            | 7,031.00            | 342.72          | 243.73      | -90.01                | -3,870.69                         | -1,749.50  | 9,936.40             | 9,540.16              | 396.24                  | 25.077            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 342-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 0.00 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 0.00        | 144.84                | -717.67                           | 505.60     | 877.95               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 93.55               | 93.55               | 3.28            | 0.21        | 144.86                | -717.71                           | 505.13     | 877.65               | 874.16                | 3.49                    | 251.330           |                    |         |
| 200.00                       | 200.00              | 198.64              | 198.62              | 3.34            | 0.44        | 144.95                | -717.82                           | 503.50     | 876.85               | 873.07                | 3.78                    | 232.148           |                    |         |
| 300.00                       | 300.00              | 303.68              | 303.62              | 3.44            | 0.68        | 145.11                | -718.00                           | 500.69     | 875.46               | 871.34                | 4.12                    | 212.526           |                    |         |
| 400.00                       | 399.98              | 416.57              | 416.45              | 3.60            | 1.09        | 72.97                 | -717.47                           | 496.98     | 872.70               | 868.01                | 4.70                    | 185.788           |                    |         |
| 500.00                       | 499.84              | 522.66              | 522.48              | 3.80            | 1.55        | 73.45                 | -714.61                           | 494.40     | 867.58               | 862.22                | 5.36                    | 161.801           |                    |         |
| 600.00                       | 599.45              | 626.56              | 626.28              | 4.04            | 2.00        | 74.13                 | -710.86                           | 492.28     | 860.99               | 854.94                | 6.05                    | 142.229           |                    |         |
| 700.00                       | 698.70              | 730.13              | 729.73              | 4.32            | 2.45        | 75.03                 | -706.20                           | 490.59     | 853.05               | 846.27                | 6.78                    | 125.841           |                    |         |
| 800.00                       | 797.47              | 833.30              | 832.75              | 4.63            | 2.90        | 76.14                 | -700.66                           | 489.30     | 843.85               | 836.32                | 7.53                    | 111.998           |                    |         |
| 900.00                       | 895.62              | 933.02              | 932.29              | 4.97            | 3.33        | 77.47                 | -694.90                           | 488.23     | 833.86               | 825.55                | 8.31                    | 100.385           |                    |         |
| 924.00                       | 919.08              | 957.90              | 957.13              | 5.06            | 3.44        | 77.84                 | -693.42                           | 487.90     | 831.32               | 822.82                | 8.50                    | 97.783            |                    |         |
| 1,000.00                     | 993.28              | 1,032.53            | 1,031.61            | 5.34            | 3.77        | 78.88                 | -688.97                           | 486.53     | 823.22               | 814.12                | 9.11                    | 90.380            |                    |         |
| 1,100.00                     | 1,090.92            | 1,140.67            | 1,139.54            | 5.73            | 4.25        | 80.56                 | -683.58                           | 482.62     | 813.06               | 803.08                | 9.98                    | 81.489            |                    |         |
| 1,200.00                     | 1,188.56            | 1,270.66            | 1,268.90            | 6.15            | 4.83        | 82.79                 | -674.21                           | 474.02     | 800.19               | 789.22                | 10.97                   | 72.952            |                    |         |
| 1,300.00                     | 1,286.19            | 1,402.32            | 1,399.27            | 6.57            | 5.42        | 85.15                 | -659.67                           | 462.91     | 783.97               | 771.99                | 11.97                   | 65.479            |                    |         |
| 1,400.00                     | 1,383.83            | 1,528.09            | 1,522.98            | 7.01            | 6.00        | 87.45                 | -640.28                           | 451.23     | 764.25               | 751.31                | 12.95                   | 59.020            |                    |         |
| 1,500.00                     | 1,481.47            | 1,627.87            | 1,620.70            | 7.46            | 6.46        | 89.23                 | -621.87                           | 442.97     | 742.93               | 729.10                | 13.83                   | 53.725            |                    |         |
| 1,600.00                     | 1,579.10            | 1,736.35            | 1,726.67            | 7.91            | 6.96        | 91.20                 | -600.32                           | 434.46     | 721.12               | 706.37                | 14.75                   | 48.902            |                    |         |
| 1,700.00                     | 1,676.74            | 1,823.78            | 1,812.03            | 8.37            | 7.37        | 92.96                 | -583.18                           | 426.57     | 699.93               | 684.31                | 15.61                   | 44.829            |                    |         |
| 1,800.00                     | 1,774.38            | 1,914.78            | 1,901.04            | 8.84            | 7.80        | 94.95                 | -566.25                           | 418.06     | 680.44               | 663.94                | 16.50                   | 41.229            |                    |         |
| 1,900.00                     | 1,872.02            | 2,016.96            | 2,001.00            | 9.31            | 8.29        | 97.19                 | -546.79                           | 409.70     | 661.78               | 644.35                | 17.43                   | 37.964            |                    |         |
| 2,000.00                     | 1,969.65            | 2,107.14            | 2,089.09            | 9.79            | 8.72        | 99.24                 | -528.91                           | 402.55     | 643.36               | 625.02                | 18.34                   | 35.079            |                    |         |
| 2,100.00                     | 2,067.29            | 2,199.34            | 2,179.36            | 10.27           | 9.16        | 101.49                | -511.76                           | 394.84     | 627.05               | 607.79                | 19.26                   | 32.554            |                    |         |
| 2,200.00                     | 2,164.93            | 2,300.98            | 2,278.85            | 10.75           | 9.64        | 103.98                | -492.30                           | 387.62     | 611.49               | 591.29                | 20.21                   | 30.264            |                    |         |
| 2,300.00                     | 2,262.56            | 2,390.93            | 2,366.87            | 11.24           | 10.07       | 106.17                | -474.51                           | 382.41     | 596.53               | 575.40                | 21.13                   | 28.229            |                    |         |
| 2,400.00                     | 2,360.20            | 2,487.03            | 2,461.11            | 11.73           | 10.53       | 108.61                | -456.51                           | 376.94     | 583.66               | 561.59                | 22.07                   | 26.445            |                    |         |
| 2,500.00                     | 2,457.84            | 2,595.27            | 2,567.01            | 12.22           | 11.05       | 111.42                | -434.85                           | 371.31     | 570.70               | 547.68                | 23.03                   | 24.785            |                    |         |
| 2,600.00                     | 2,555.48            | 2,685.08            | 2,654.72            | 12.71           | 11.48       | 113.87                | -416.11                           | 366.56     | 558.10               | 534.13                | 23.97                   | 23.287            |                    |         |
| 2,700.00                     | 2,653.11            | 2,783.70            | 2,751.06            | 13.20           | 11.95       | 116.75                | -395.97                           | 360.42     | 547.30               | 522.38                | 24.92                   | 21.965            |                    |         |
| 2,800.00                     | 2,750.75            | 2,872.70            | 2,837.93            | 13.70           | 12.39       | 119.55                | -377.76                           | 353.85     | 538.09               | 512.23                | 25.86                   | 20.808            |                    |         |
| 2,900.00                     | 2,848.39            | 2,964.14            | 2,927.30            | 14.19           | 12.83       | 122.54                | -359.85                           | 346.48     | 531.48               | 504.68                | 26.80                   | 19.832            |                    |         |
| 3,000.00                     | 2,946.02            | 3,047.36            | 3,008.79            | 14.69           | 13.24       | 125.32                | -344.60                           | 339.45     | 527.92               | 500.21                | 27.71                   | 19.054            |                    |         |
| 3,040.20                     | 2,985.27            | 3,081.10            | 3,041.96            | 14.89           | 13.40       | 126.42                | -339.02                           | 336.68     | 527.63               | 499.56                | 28.06                   | 18.801 CC, ES     |                    |         |
| 3,100.00                     | 3,043.66            | 3,132.73            | 3,092.79            | 15.19           | 13.64       | 128.08                | -331.02                           | 332.54     | 528.22               | 499.63                | 28.59                   | 18.475            |                    |         |
| 3,200.00                     | 3,141.30            | 3,227.15            | 3,185.99            | 15.69           | 14.09       | 131.00                | -317.51                           | 325.65     | 531.35               | 501.85                | 29.50                   | 18.014            |                    |         |
| 3,300.00                     | 3,238.94            | 3,316.60            | 3,274.48            | 16.19           | 14.50       | 133.57                | -305.52                           | 320.40     | 536.20               | 505.84                | 30.36                   | 17.660            |                    |         |
| 3,400.00                     | 3,336.57            | 3,404.00            | 3,361.18            | 16.69           | 14.90       | 135.92                | -295.64                           | 315.59     | 543.98               | 512.78                | 31.20                   | 17.438            |                    |         |
| 3,500.00                     | 3,434.21            | 3,491.58            | 3,448.28            | 17.19           | 15.29       | 138.07                | -287.62                           | 311.29     | 554.40               | 522.39                | 32.01                   | 17.321            |                    |         |
| 3,600.00                     | 3,531.85            | 3,586.31            | 3,542.68            | 17.69           | 15.71       | 140.17                | -280.75                           | 307.19     | 567.02               | 534.16                | 32.86                   | 17.254            |                    |         |
| 3,700.00                     | 3,629.48            | 3,683.77            | 3,639.93            | 18.20           | 16.13       | 142.00                | -274.81                           | 305.14     | 580.12               | 546.39                | 33.73                   | 17.198            |                    |         |
| 3,800.00                     | 3,727.12            | 3,780.40            | 3,736.48            | 18.70           | 16.53       | 143.44                | -270.89                           | 305.52     | 593.95               | 559.36                | 34.59                   | 17.171            |                    |         |
| 3,900.00                     | 3,824.76            | 3,878.72            | 3,834.74            | 19.21           | 16.94       | 144.74                | -267.60                           | 306.71     | 608.20               | 572.74                | 35.46                   | 17.153            |                    |         |
| 4,000.00                     | 3,922.40            | 3,969.56            | 3,925.53            | 19.71           | 17.32       | 145.88                | -264.88                           | 307.73     | 623.10               | 586.84                | 36.26                   | 17.185            |                    |         |
| 4,100.00                     | 4,020.03            | 4,059.76            | 4,015.71            | 20.21           | 17.69       | 146.97                | -263.11                           | 307.82     | 639.66               | 602.61                | 37.05                   | 17.265            |                    |         |
| 4,200.00                     | 4,117.67            | 4,156.12            | 4,112.06            | 20.72           | 18.10       | 148.07                | -261.77                           | 307.43     | 657.23               | 619.33                | 37.90                   | 17.342            |                    |         |
| 4,300.00                     | 4,215.31            | 4,243.49            | 4,199.42            | 21.23           | 18.45       | 149.00                | -261.04                           | 307.05     | 675.48               | 636.83                | 38.65                   | 17.478            |                    |         |
| 4,400.00                     | 4,312.94            | 4,330.60            | 4,286.52            | 21.73           | 18.80       | 149.85                | -261.82                           | 305.78     | 695.80               | 656.43                | 39.37                   | 17.671            |                    |         |
| 4,500.00                     | 4,410.58            | 4,425.14            | 4,381.03            | 22.24           | 19.17       | 150.71                | -263.41                           | 303.97     | 717.18               | 677.00                | 40.18                   | 17.851            |                    |         |
| 4,600.00                     | 4,508.22            | 4,519.79            | 4,475.64            | 22.75           | 19.54       | 151.44                | -265.83                           | 302.84     | 738.82               | 697.84                | 40.98                   | 18.029            |                    |         |
| 4,700.00                     | 4,605.86            | 4,619.99            | 4,575.77            | 23.25           | 19.93       | 152.09                | -269.30                           | 302.17     | 760.85               | 719.00                | 41.84                   | 18.183            |                    |         |
| 4,800.00                     | 4,703.49            | 4,731.20            | 4,686.96            | 23.76           | 20.36       | 152.83                | -271.62                           | 301.81     | 781.78               | 738.95                | 42.83                   | 18.255            |                    |         |
| 4,900.00                     | 4,801.13            | 4,835.16            | 4,790.91            | 24.27           | 20.77       | 153.52                | -272.36                           | 302.19     | 801.38               | 757.65                | 43.73                   | 18.326            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 342-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 0.00 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                     | 4,898.77            | 4,932.28            | 4,888.03            | 24.77           | 21.15       | 154.12                | -272.95                           | 302.85     | 820.77               | 776.21                | 44.57                   | 18.416            |                    |         |
| 5,100.00                     | 4,996.40            | 5,025.73            | 4,981.48            | 25.28           | 21.53       | 154.67                | -273.75                           | 303.31     | 840.56               | 795.19                | 45.37                   | 18.525            |                    |         |
| 5,200.00                     | 5,094.04            | 5,122.10            | 5,077.84            | 25.79           | 21.91       | 155.21                | -274.86                           | 303.62     | 860.75               | 814.54                | 46.21                   | 18.628            |                    |         |
| 5,300.00                     | 5,191.68            | 5,212.82            | 5,168.55            | 26.30           | 22.27       | 155.72                | -275.78                           | 303.24     | 881.45               | 834.47                | 46.99                   | 18.759            |                    |         |
| 5,400.00                     | 5,289.32            | 5,325.77            | 5,281.49            | 26.81           | 22.74       | 156.43                | -275.57                           | 302.20     | 901.86               | 853.86                | 48.00                   | 18.789            |                    |         |
| 5,500.00                     | 5,386.95            | 5,421.26            | 5,376.98            | 27.32           | 23.15       | 157.04                | -274.37                           | 301.50     | 921.53               | 872.68                | 48.85                   | 18.864            |                    |         |
| 5,600.00                     | 5,484.59            | 5,505.89            | 5,461.58            | 27.83           | 23.51       | 157.60                | -273.32                           | 299.93     | 942.16               | 892.57                | 49.59                   | 18.999            |                    |         |
| 5,700.00                     | 5,582.23            | 5,613.30            | 5,568.98            | 28.33           | 23.96       | 158.21                | -272.77                           | 298.62     | 962.85               | 912.30                | 50.55                   | 19.046            |                    |         |
| 5,800.00                     | 5,679.87            | 5,705.63            | 5,661.30            | 28.84           | 24.33       | 158.59                | -273.89                           | 298.93     | 983.50               | 932.13                | 51.36                   | 19.149            |                    |         |
| 5,900.00                     | 5,777.50            | 5,802.99            | 5,758.64            | 29.35           | 24.73       | 158.95                | -275.65                           | 299.01     | 1,004.73             | 952.51                | 52.21                   | 19.243            |                    |         |
| 6,000.00                     | 5,875.14            | 5,921.99            | 5,877.64            | 29.86           | 25.21       | 159.41                | -275.99                           | 300.51     | 1,024.07             | 970.79                | 53.27                   | 19.224            |                    |         |
| 6,100.00                     | 5,972.78            | 6,015.05            | 5,970.69            | 30.37           | 25.60       | 159.79                | -275.70                           | 301.45     | 1,043.40             | 989.30                | 54.09                   | 19.288            |                    |         |
| 6,200.00                     | 6,070.41            | 6,109.60            | 6,065.23            | 30.88           | 25.99       | 160.18                | -275.24                           | 302.02     | 1,063.00             | 1,008.07              | 54.93                   | 19.351            |                    |         |
| 6,300.00                     | 6,168.05            | 6,201.57            | 6,157.20            | 31.39           | 26.37       | 160.53                | -275.20                           | 302.29     | 1,083.15             | 1,027.40              | 55.74                   | 19.431            |                    |         |
| 6,400.00                     | 6,265.69            | 6,295.58            | 6,251.21            | 31.90           | 26.76       | 160.87                | -275.66                           | 302.42     | 1,103.78             | 1,047.21              | 56.57                   | 19.512            |                    |         |
| 6,439.09                     | 6,303.85            | 6,333.07            | 6,288.70            | 32.10           | 26.91       | 161.00                | -275.83                           | 302.38     | 1,111.92             | 1,055.02              | 56.90                   | 19.542            |                    |         |
| 6,450.00                     | 6,314.53            | 6,343.55            | 6,299.18            | 32.16           | 26.95       | 162.63                | -275.87                           | 302.36     | 1,114.12             | 1,057.13              | 56.99                   | 19.550            |                    |         |
| 6,500.00                     | 6,363.83            | 7,889.42            | 7,240.43            | 32.39           | 37.77       | 130.80                | -259.30                           | 1,181.33   | 1,095.86             | 1,049.30              | 46.55                   | 23.540            |                    |         |
| 6,550.00                     | 6,413.58            | 7,895.00            | 7,240.69            | 32.60           | 37.85       | 157.78                | -259.21                           | 1,186.90   | 1,058.08             | 1,009.87              | 48.21                   | 21.948            |                    |         |
| 6,600.00                     | 6,463.45            | 7,896.23            | 7,240.75            | 32.79           | 37.88       | -146.42               | -259.19                           | 1,188.13   | 1,021.12             | 971.23                | 49.90                   | 20.465            |                    |         |
| 6,650.00                     | 6,513.15            | 7,895.00            | 7,240.69            | 32.97           | 37.85       | -123.42               | -259.21                           | 1,186.90   | 985.34               | 933.72                | 51.61                   | 19.091            |                    |         |
| 6,700.00                     | 6,562.37            | 7,889.64            | 7,240.44            | 33.15           | 37.77       | -117.19               | -259.29                           | 1,181.56   | 951.08               | 897.73                | 53.35                   | 17.827            |                    |         |
| 6,750.00                     | 6,610.80            | 7,882.03            | 7,240.10            | 33.34           | 37.65       | -115.54               | -259.43                           | 1,173.95   | 918.67               | 863.58                | 55.09                   | 16.675            |                    |         |
| 6,800.00                     | 6,658.14            | 7,871.26            | 7,239.64            | 33.53           | 37.48       | -115.28               | -259.64                           | 1,163.20   | 888.43               | 831.62                | 56.82                   | 15.637            |                    |         |
| 6,850.00                     | 6,704.11            | 7,857.36            | 7,239.08            | 33.74           | 37.26       | -115.39               | -259.95                           | 1,149.31   | 860.65               | 802.15                | 58.49                   | 14.714            |                    |         |
| 6,900.00                     | 6,748.42            | 7,840.34            | 7,238.45            | 33.97           | 36.99       | -115.49               | -260.38                           | 1,132.31   | 835.54               | 775.44                | 60.10                   | 13.903            |                    |         |
| 6,950.00                     | 6,790.79            | 7,820.26            | 7,237.79            | 34.21           | 36.67       | -115.41               | -260.96                           | 1,112.24   | 813.29               | 751.69                | 61.60                   | 13.203            |                    |         |
| 7,000.00                     | 6,830.97            | 7,795.86            | 7,237.10            | 34.48           | 36.29       | -115.03               | -261.77                           | 1,087.87   | 794.01               | 731.05                | 62.96                   | 12.611            |                    |         |
| 7,050.00                     | 6,868.71            | 7,763.06            | 7,236.15            | 34.77           | 35.82       | -114.10               | -262.91                           | 1,055.10   | 777.56               | 713.40                | 64.16                   | 12.119            |                    |         |
| 7,100.00                     | 6,903.77            | 7,727.43            | 7,235.02            | 35.09           | 35.31       | -112.99               | -264.13                           | 1,019.51   | 763.76               | 698.57                | 65.19                   | 11.716            |                    |         |
| 7,150.00                     | 6,935.93            | 7,666.89            | 7,232.94            | 35.44           | 34.50       | -110.66               | -265.47                           | 959.03     | 752.18               | 686.31                | 65.87                   | 11.419            |                    |         |
| 7,200.00                     | 6,965.01            | 7,617.56            | 7,231.03            | 35.83           | 33.90       | -109.04               | -265.10                           | 909.73     | 741.64               | 675.09                | 66.55                   | 11.145            |                    |         |
| 7,250.00                     | 6,990.82            | 7,575.43            | 7,228.58            | 36.26           | 33.39       | -107.79               | -264.74                           | 867.67     | 732.80               | 665.63                | 67.17                   | 10.909            |                    |         |
| 7,300.00                     | 7,013.20            | 7,510.21            | 7,221.45            | 36.72           | 32.72       | -105.55               | -264.41                           | 802.90     | 725.19               | 657.54                | 67.65                   | 10.720            |                    |         |
| 7,350.00                     | 7,032.02            | 7,456.75            | 7,209.14            | 37.23           | 32.20       | -103.59               | -264.77                           | 750.90     | 718.26               | 650.04                | 68.22                   | 10.528            |                    |         |
| 7,400.00                     | 7,047.15            | 7,415.12            | 7,196.75            | 37.77           | 31.85       | -102.08               | -265.56                           | 711.17     | 712.84               | 644.00                | 68.84                   | 10.356            |                    |         |
| 7,450.00                     | 7,058.51            | 7,373.68            | 7,182.52            | 38.34           | 31.50       | -100.52               | -266.83                           | 672.28     | 709.04               | 639.65                | 69.39                   | 10.219            |                    |         |
| 7,500.00                     | 7,066.02            | 7,329.01            | 7,164.52            | 38.95           | 31.20       | -98.75                | -268.65                           | 631.45     | 706.63               | 636.71                | 69.93                   | 10.105            |                    |         |
| 7,550.00                     | 7,069.64            | 7,291.48            | 7,147.00            | 39.58           | 30.93       | -97.19                | -270.47                           | 598.31     | 705.47               | 635.05                | 70.42                   | 10.018            |                    |         |
| 7,571.20                     | 7,070.00            | 7,260.19            | 7,130.76            | 39.85           | 30.77       | -95.84                | -272.17                           | 571.63     | 705.32               | 634.73                | 70.59                   | 9.992             |                    |         |
| 7,600.00                     | 7,070.00            | 7,221.71            | 7,108.15            | 40.23           | 30.56       | -94.00                | -273.75                           | 540.55     | 704.97               | 634.18                | 70.79                   | 9.959             |                    |         |
| 7,640.88                     | 7,070.00            | 7,179.36            | 7,080.12            | 40.81           | 30.35       | -91.72                | -274.84                           | 508.85     | 704.60               | 633.50                | 71.10                   | 9.910             |                    |         |
| 7,700.00                     | 7,070.01            | 7,141.84            | 7,053.14            | 41.64           | 30.19       | -89.52                | -275.72                           | 482.80     | 705.94               | 634.32                | 71.62                   | 9.857 SF          |                    |         |
| 7,800.00                     | 7,070.02            | 7,086.99            | 7,010.74            | 43.20           | 29.96       | -86.09                | -277.28                           | 448.08     | 715.14               | 642.71                | 72.42                   | 9.875             |                    |         |
| 7,900.00                     | 7,070.03            | 7,025.23            | 6,959.66            | 44.89           | 29.71       | -82.01                | -278.22                           | 413.41     | 733.08               | 660.26                | 72.81                   | 10.068            |                    |         |
| 8,000.00                     | 7,070.04            | 6,979.74            | 6,920.23            | 46.69           | 29.53       | -78.90                | -277.93                           | 390.74     | 760.05               | 686.93                | 73.11                   | 10.396            |                    |         |
| 8,100.00                     | 7,070.05            | 6,945.10            | 6,889.33            | 48.60           | 29.40       | -76.50                | -277.42                           | 375.09     | 796.39               | 723.06                | 73.33                   | 10.860            |                    |         |
| 8,200.00                     | 7,070.05            | 6,915.95            | 6,862.81            | 50.59           | 29.29       | -74.47                | -276.83                           | 363.02     | 841.46               | 768.04                | 73.42                   | 11.460            |                    |         |
| 8,300.00                     | 7,070.06            | 6,904.00            | 6,851.81            | 52.66           | 29.24       | -73.64                | -276.55                           | 358.36     | 894.43               | 820.78                | 73.65                   | 12.145            |                    |         |
| 8,400.00                     | 7,070.07            | 6,877.50            | 6,827.17            | 54.81           | 29.14       | -71.81                | -276.12                           | 348.61     | 954.03               | 880.55                | 73.48                   | 12.984            |                    |         |
| 8,500.00                     | 7,070.08            | 6,862.41            | 6,813.00            | 57.02           | 29.08       | -70.77                | -276.06                           | 343.43     | 1,019.52             | 946.12                | 73.40                   | 13.890            |                    |         |
| 8,600.00                     | 7,070.09            | 6,848.76            | 6,800.10            | 59.28           | 29.03       | -69.85                | -276.13                           | 338.96     | 1,089.82             | 1,016.55              | 73.27                   | 14.874            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 342-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 0.00 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,812.00            | 6,765.02            | 61.60           | 28.88       | -67.40                | -276.87                           | 328.03     | 1,164.77             | 1,091.94              | 72.83                   | 15.994            |                    |         |
| 8,800.00                     | 7,070.11            | 6,812.00            | 6,765.02            | 63.95           | 28.88       | -67.40                | -276.87                           | 328.03     | 1,241.92             | 1,169.11              | 72.81                   | 17.057            |                    |         |
| 8,900.00                     | 7,070.12            | 6,812.00            | 6,765.02            | 66.35           | 28.88       | -67.40                | -276.87                           | 328.03     | 1,322.13             | 1,249.39              | 72.73                   | 18.178            |                    |         |
| 9,000.00                     | 7,070.13            | 6,812.00            | 6,765.02            | 68.79           | 28.88       | -67.40                | -276.87                           | 328.03     | 1,404.88             | 1,332.26              | 72.62                   | 19.345            |                    |         |
| 9,100.00                     | 7,070.13            | 6,812.00            | 6,765.02            | 71.25           | 28.88       | -67.40                | -276.87                           | 328.03     | 1,489.75             | 1,417.26              | 72.49                   | 20.550            |                    |         |
| 9,200.00                     | 7,070.14            | 6,781.93            | 6,735.96            | 73.74           | 28.76       | -65.44                | -277.56                           | 320.33     | 1,575.68             | 1,503.51              | 72.17                   | 21.832            |                    |         |
| 9,300.00                     | 7,070.15            | 6,772.97            | 6,727.24            | 76.26           | 28.73       | -64.86                | -277.67                           | 318.26     | 1,663.33             | 1,591.34              | 71.99                   | 23.103            |                    |         |
| 9,400.00                     | 7,070.16            | 6,764.86            | 6,719.32            | 78.80           | 28.70       | -64.34                | -277.72                           | 316.48     | 1,752.20             | 1,680.37              | 71.83                   | 24.394            |                    |         |
| 9,500.00                     | 7,070.17            | 6,757.49            | 6,712.12            | 81.37           | 28.67       | -63.87                | -277.74                           | 314.94     | 1,842.12             | 1,770.44              | 71.67                   | 25.701            |                    |         |
| 9,600.00                     | 7,070.18            | 6,750.76            | 6,705.53            | 83.95           | 28.64       | -63.44                | -277.72                           | 313.60     | 1,932.96             | 1,861.43              | 71.53                   | 27.023            |                    |         |
| 9,700.00                     | 7,070.19            | 6,718.00            | 6,673.27            | 86.55           | 28.51       | -61.37                | -277.29                           | 307.93     | 2,025.15             | 1,953.89              | 71.25                   | 28.421            |                    |         |
| 9,800.00                     | 7,070.20            | 6,718.00            | 6,673.27            | 89.17           | 28.51       | -61.37                | -277.29                           | 307.93     | 2,117.28             | 2,046.11              | 71.17                   | 29.751            |                    |         |
| 9,900.00                     | 7,070.21            | 6,718.00            | 6,673.27            | 91.80           | 28.51       | -61.37                | -277.29                           | 307.93     | 2,210.09             | 2,139.01              | 71.08                   | 31.093            |                    |         |
| 10,000.00                    | 7,070.21            | 6,718.00            | 6,673.27            | 94.44           | 28.51       | -61.37                | -277.29                           | 307.93     | 2,303.51             | 2,232.52              | 70.99                   | 32.446            |                    |         |
| 10,100.00                    | 7,070.22            | 6,718.00            | 6,673.27            | 97.10           | 28.51       | -61.37                | -277.29                           | 307.93     | 2,397.46             | 2,326.55              | 70.91                   | 33.808            |                    |         |
| 10,200.00                    | 7,070.23            | 6,718.00            | 6,673.27            | 99.77           | 28.51       | -61.37                | -277.29                           | 307.93     | 2,491.88             | 2,421.04              | 70.84                   | 35.178            |                    |         |
| 10,300.00                    | 7,070.24            | 6,718.00            | 6,673.27            | 102.44          | 28.51       | -61.37                | -277.29                           | 307.93     | 2,586.72             | 2,515.95              | 70.76                   | 36.555            |                    |         |
| 10,400.00                    | 7,070.25            | 6,718.00            | 6,673.27            | 105.13          | 28.51       | -61.37                | -277.29                           | 307.93     | 2,681.93             | 2,611.24              | 70.69                   | 37.938            |                    |         |
| 10,500.00                    | 7,070.26            | 6,718.00            | 6,673.27            | 107.83          | 28.51       | -61.37                | -277.29                           | 307.93     | 2,777.48             | 2,706.85              | 70.63                   | 39.327            |                    |         |
| 10,600.00                    | 7,070.27            | 6,718.00            | 6,673.27            | 110.53          | 28.51       | -61.37                | -277.29                           | 307.93     | 2,873.33             | 2,802.77              | 70.56                   | 40.719            |                    |         |
| 10,700.00                    | 7,070.28            | 6,718.00            | 6,673.27            | 113.24          | 28.51       | -61.37                | -277.29                           | 307.93     | 2,969.46             | 2,898.95              | 70.51                   | 42.116            |                    |         |
| 10,800.00                    | 7,070.28            | 6,718.00            | 6,673.27            | 115.96          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,065.83             | 2,995.38              | 70.45                   | 43.516            |                    |         |
| 10,900.00                    | 7,070.29            | 6,718.00            | 6,673.27            | 118.69          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,162.43             | 3,092.03              | 70.40                   | 44.918            |                    |         |
| 11,000.00                    | 7,070.30            | 6,718.00            | 6,673.27            | 121.42          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,259.24             | 3,188.88              | 70.36                   | 46.323            |                    |         |
| 11,100.00                    | 7,070.31            | 6,718.00            | 6,673.27            | 124.16          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,356.23             | 3,285.91              | 70.32                   | 47.730            |                    |         |
| 11,200.00                    | 7,070.32            | 6,718.00            | 6,673.27            | 126.90          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,453.39             | 3,383.11              | 70.28                   | 49.139            |                    |         |
| 11,300.00                    | 7,070.33            | 6,718.00            | 6,673.27            | 129.65          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,550.71             | 3,480.47              | 70.24                   | 50.548            |                    |         |
| 11,400.00                    | 7,070.34            | 6,718.00            | 6,673.27            | 132.40          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,648.18             | 3,577.97              | 70.21                   | 51.959            |                    |         |
| 11,500.00                    | 7,070.35            | 6,718.00            | 6,673.27            | 135.16          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,745.78             | 3,675.59              | 70.19                   | 53.370            |                    |         |
| 11,600.00                    | 7,070.36            | 6,718.00            | 6,673.27            | 137.92          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,843.50             | 3,773.34              | 70.16                   | 54.781            |                    |         |
| 11,700.00                    | 7,070.36            | 6,718.00            | 6,673.27            | 140.69          | 28.51       | -61.37                | -277.29                           | 307.93     | 3,941.24             | 3,871.20              | 70.14                   | 56.193            |                    |         |
| 11,800.00                    | 7,070.37            | 6,718.00            | 6,673.27            | 143.46          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,039.28             | 3,969.16              | 70.12                   | 57.604            |                    |         |
| 11,900.00                    | 7,070.38            | 6,718.00            | 6,673.27            | 146.23          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,137.33             | 4,067.22              | 70.11                   | 59.015            |                    |         |
| 12,000.00                    | 7,070.39            | 6,718.00            | 6,673.27            | 149.01          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,235.46             | 4,165.36              | 70.09                   | 60.426            |                    |         |
| 12,100.00                    | 7,070.40            | 6,718.00            | 6,673.27            | 151.79          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,333.68             | 4,263.59              | 70.08                   | 61.836            |                    |         |
| 12,200.00                    | 7,070.41            | 6,718.00            | 6,673.27            | 154.57          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,431.97             | 4,361.90              | 70.08                   | 63.245            |                    |         |
| 12,300.00                    | 7,070.42            | 6,718.00            | 6,673.27            | 157.35          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,530.35             | 4,460.28              | 70.07                   | 64.653            |                    |         |
| 12,400.00                    | 7,070.43            | 6,718.00            | 6,673.27            | 160.14          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,628.79             | 4,558.72              | 70.07                   | 66.061            |                    |         |
| 12,500.00                    | 7,070.44            | 6,718.00            | 6,673.27            | 162.93          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,727.30             | 4,657.23              | 70.07                   | 67.466            |                    |         |
| 12,600.00                    | 7,070.44            | 6,718.00            | 6,673.27            | 165.72          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,825.87             | 4,755.80              | 70.07                   | 68.871            |                    |         |
| 12,700.00                    | 7,070.45            | 6,718.00            | 6,673.27            | 168.52          | 28.51       | -61.37                | -277.29                           | 307.93     | 4,924.49             | 4,854.42              | 70.08                   | 70.274            |                    |         |
| 12,800.00                    | 7,070.46            | 6,677.26            | 6,632.83            | 171.32          | 28.34       | -58.88                | -276.61                           | 303.13     | 5,021.61             | 4,951.59              | 70.03                   | 71.711            |                    |         |
| 12,900.00                    | 7,070.47            | 6,676.39            | 6,631.95            | 174.11          | 28.33       | -58.83                | -276.60                           | 303.05     | 5,120.28             | 5,050.25              | 70.03                   | 73.111            |                    |         |
| 13,000.00                    | 7,070.48            | 6,675.54            | 6,631.11            | 176.92          | 28.33       | -58.78                | -276.60                           | 302.98     | 5,219.00             | 5,148.95              | 70.04                   | 74.509            |                    |         |
| 13,100.00                    | 7,070.49            | 6,674.72            | 6,630.30            | 179.72          | 28.33       | -58.73                | -276.59                           | 302.92     | 5,317.76             | 5,247.71              | 70.06                   | 75.906            |                    |         |
| 13,200.00                    | 7,070.50            | 6,673.93            | 6,629.51            | 182.52          | 28.32       | -58.68                | -276.58                           | 302.85     | 5,416.57             | 5,346.50              | 70.07                   | 77.300            |                    |         |
| 13,300.00                    | 7,070.51            | 6,673.16            | 6,628.74            | 185.33          | 28.32       | -58.64                | -276.57                           | 302.79     | 5,515.42             | 5,445.33              | 70.09                   | 78.692            |                    |         |
| 13,400.00                    | 7,070.52            | 6,672.42            | 6,628.00            | 188.14          | 28.32       | -58.59                | -276.57                           | 302.74     | 5,614.31             | 5,544.21              | 70.11                   | 80.082            |                    |         |
| 13,500.00                    | 7,070.52            | 6,671.70            | 6,627.29            | 190.95          | 28.31       | -58.55                | -276.56                           | 302.68     | 5,713.24             | 5,643.11              | 70.13                   | 81.470            |                    |         |
| 13,600.00                    | 7,070.53            | 6,671.01            | 6,626.59            | 193.76          | 28.31       | -58.51                | -276.55                           | 302.63     | 5,812.20             | 5,742.05              | 70.15                   | 82.856            |                    |         |
| 13,700.00                    | 7,070.54            | 6,670.33            | 6,625.92            | 196.57          | 28.31       | -58.47                | -276.55                           | 302.58     | 5,911.20             | 5,841.03              | 70.17                   | 84.239            |                    |         |
| 13,800.00                    | 7,070.55            | 6,669.68            | 6,625.26            | 199.38          | 28.31       | -58.43                | -276.54                           | 302.53     | 6,010.23             | 5,940.03              | 70.20                   | 85.619            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 342-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 0.00 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,669.04            | 6,624.63            | 202.20          | 28.30       | -58.39                | -276.54                           | 302.49     | 6,109.29             | 6,039.07              | 70.22                   | 86.997            |                    |         |
| 14,000.00                    | 7,070.57            | 6,668.42            | 6,624.01            | 205.01          | 28.30       | -58.36                | -276.53                           | 302.45     | 6,208.38             | 6,138.13              | 70.25                   | 88.373            |                    |         |
| 14,100.00                    | 7,070.58            | 6,667.82            | 6,623.42            | 207.83          | 28.30       | -58.32                | -276.53                           | 302.40     | 6,307.50             | 6,237.22              | 70.28                   | 89.746            |                    |         |
| 14,200.00                    | 7,070.59            | 6,667.24            | 6,622.83            | 210.65          | 28.30       | -58.29                | -276.52                           | 302.36     | 6,406.64             | 6,336.33              | 70.31                   | 91.116            |                    |         |
| 14,300.00                    | 7,070.60            | 6,625.00            | 6,580.63            | 213.47          | 28.12       | -55.87                | -276.45                           | 300.98     | 6,507.40             | 6,437.10              | 70.30                   | 92.563            |                    |         |
| 14,400.00                    | 7,070.60            | 6,625.00            | 6,580.63            | 216.29          | 28.12       | -55.87                | -276.45                           | 300.98     | 6,606.55             | 6,536.22              | 70.34                   | 93.926            |                    |         |
| 14,500.00                    | 7,070.61            | 6,625.00            | 6,580.63            | 219.11          | 28.12       | -55.87                | -276.45                           | 300.98     | 6,705.73             | 6,635.36              | 70.37                   | 95.287            |                    |         |
| 14,600.00                    | 7,070.62            | 6,625.00            | 6,580.63            | 221.94          | 28.12       | -55.87                | -276.45                           | 300.98     | 6,804.93             | 6,734.52              | 70.41                   | 96.644            |                    |         |
| 14,700.00                    | 7,070.63            | 6,625.00            | 6,580.63            | 224.76          | 28.12       | -55.87                | -276.45                           | 300.98     | 6,904.15             | 6,833.70              | 70.45                   | 97.998            |                    |         |
| 14,800.00                    | 7,070.64            | 6,625.00            | 6,580.63            | 227.58          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,003.40             | 6,932.91              | 70.49                   | 99.350            |                    |         |
| 14,900.00                    | 7,070.65            | 6,625.00            | 6,580.63            | 230.41          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,102.67             | 7,032.13              | 70.53                   | 100.698           |                    |         |
| 15,000.00                    | 7,070.66            | 6,625.00            | 6,580.63            | 233.24          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,201.95             | 7,131.37              | 70.58                   | 102.043           |                    |         |
| 15,100.00                    | 7,070.67            | 6,625.00            | 6,580.63            | 236.06          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,301.26             | 7,230.64              | 70.62                   | 103.385           |                    |         |
| 15,200.00                    | 7,070.68            | 6,625.00            | 6,580.63            | 238.89          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,400.58             | 7,329.92              | 70.67                   | 104.724           |                    |         |
| 15,300.00                    | 7,070.68            | 6,625.00            | 6,580.63            | 241.72          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,499.93             | 7,429.21              | 70.71                   | 106.060           |                    |         |
| 15,400.00                    | 7,070.69            | 6,625.00            | 6,580.63            | 244.55          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,599.29             | 7,528.52              | 70.76                   | 107.392           |                    |         |
| 15,500.00                    | 7,070.70            | 6,625.00            | 6,580.63            | 247.38          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,698.66             | 7,627.85              | 70.81                   | 108.720           |                    |         |
| 15,600.00                    | 7,070.71            | 6,625.00            | 6,580.63            | 250.21          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,798.06             | 7,727.19              | 70.86                   | 110.046           |                    |         |
| 15,700.00                    | 7,070.72            | 6,625.00            | 6,580.63            | 253.04          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,897.46             | 7,826.55              | 70.91                   | 111.368           |                    |         |
| 15,800.00                    | 7,070.73            | 6,625.00            | 6,580.63            | 255.87          | 28.12       | -55.87                | -276.45                           | 300.98     | 7,996.89             | 7,925.92              | 70.97                   | 112.686           |                    |         |
| 15,900.00                    | 7,070.74            | 6,625.00            | 6,580.63            | 258.71          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,096.32             | 8,025.30              | 71.02                   | 114.001           |                    |         |
| 16,000.00                    | 7,070.75            | 6,625.00            | 6,580.63            | 261.54          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,195.77             | 8,124.70              | 71.07                   | 115.312           |                    |         |
| 16,100.00                    | 7,070.76            | 6,625.00            | 6,580.63            | 264.37          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,295.24             | 8,224.11              | 71.13                   | 116.620           |                    |         |
| 16,200.00                    | 7,070.76            | 6,625.00            | 6,580.63            | 267.21          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,394.71             | 8,323.53              | 71.19                   | 117.924           |                    |         |
| 16,300.00                    | 7,070.77            | 6,625.00            | 6,580.63            | 270.04          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,494.20             | 8,422.96              | 71.25                   | 119.225           |                    |         |
| 16,400.00                    | 7,070.78            | 6,625.00            | 6,580.63            | 272.88          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,593.70             | 8,522.40              | 71.30                   | 120.521           |                    |         |
| 16,500.00                    | 7,070.79            | 6,625.00            | 6,580.63            | 275.71          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,693.22             | 8,621.85              | 71.36                   | 121.814           |                    |         |
| 16,600.00                    | 7,070.80            | 6,625.00            | 6,580.63            | 278.55          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,792.74             | 8,721.31              | 71.43                   | 123.104           |                    |         |
| 16,700.00                    | 7,070.81            | 6,625.00            | 6,580.63            | 281.39          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,892.27             | 8,820.79              | 71.49                   | 124.389           |                    |         |
| 16,800.00                    | 7,070.82            | 6,625.00            | 6,580.63            | 284.22          | 28.12       | -55.87                | -276.45                           | 300.98     | 8,991.82             | 8,920.27              | 71.55                   | 125.671           |                    |         |
| 16,900.00                    | 7,070.83            | 6,625.00            | 6,580.63            | 287.06          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,091.37             | 9,019.76              | 71.61                   | 126.948           |                    |         |
| 17,000.00                    | 7,070.84            | 6,625.00            | 6,580.63            | 289.90          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,190.94             | 9,119.26              | 71.68                   | 128.222           |                    |         |
| 17,100.00                    | 7,070.84            | 6,625.00            | 6,580.63            | 292.74          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,290.51             | 9,218.76              | 71.75                   | 129.492           |                    |         |
| 17,200.00                    | 7,070.85            | 6,625.00            | 6,580.63            | 295.58          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,390.09             | 9,318.28              | 71.81                   | 130.758           |                    |         |
| 17,300.00                    | 7,070.86            | 6,625.00            | 6,580.63            | 298.42          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,489.68             | 9,417.80              | 71.88                   | 132.021           |                    |         |
| 17,400.00                    | 7,070.87            | 6,625.00            | 6,580.63            | 301.26          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,589.28             | 9,517.33              | 71.95                   | 133.279           |                    |         |
| 17,500.00                    | 7,070.88            | 6,625.00            | 6,580.63            | 304.10          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,688.89             | 9,616.87              | 72.02                   | 134.533           |                    |         |
| 17,600.00                    | 7,070.89            | 6,625.00            | 6,580.63            | 306.94          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,788.51             | 9,716.42              | 72.09                   | 135.783           |                    |         |
| 17,700.00                    | 7,070.90            | 6,625.00            | 6,580.63            | 309.78          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,888.13             | 9,815.97              | 72.16                   | 137.029           |                    |         |
| 17,800.00                    | 7,070.91            | 6,625.00            | 6,580.63            | 312.62          | 28.12       | -55.87                | -276.45                           | 300.98     | 9,987.76             | 9,915.53              | 72.23                   | 138.271           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 170-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 139.73                | -597.82                           | 506.43     | 783.57               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 91.55               | 91.54               | 3.28            | 3.29        | 139.82                | -598.51                           | 505.38     | 783.35               | 776.77                | 6.57                    | 119.211           |                    |         |
| 200.00                       | 200.00              | 195.48              | 195.38              | 3.34            | 3.32        | 140.13                | -600.84                           | 501.78     | 782.83               | 776.18                | 6.65                    | 117.644           |                    |         |
| 300.00                       | 300.00              | 306.88              | 306.71              | 3.44            | 3.43        | 140.38                | -601.70                           | 498.17     | 781.36               | 774.49                | 6.87                    | 113.708           |                    |         |
| 400.00                       | 399.98              | 437.21              | 436.91              | 3.60            | 3.63        | 68.12                 | -597.60                           | 494.77     | 776.66               | 769.40                | 7.25                    | 107.070           |                    |         |
| 500.00                       | 499.84              | 565.73              | 565.00              | 3.80            | 3.90        | 68.79                 | -589.47                           | 487.99     | 766.44               | 758.68                | 7.76                    | 98.720            |                    |         |
| 600.00                       | 599.45              | 663.33              | 662.07              | 4.04            | 4.15        | 69.65                 | -581.73                           | 481.60     | 753.05               | 744.81                | 8.24                    | 91.380            |                    |         |
| 700.00                       | 698.70              | 845.64              | 841.85              | 4.32            | 4.71        | 71.95                 | -560.91                           | 461.21     | 732.63               | 723.43                | 9.20                    | 79.614            |                    |         |
| 800.00                       | 797.47              | 928.79              | 923.16              | 4.63            | 5.00        | 73.66                 | -548.35                           | 449.21     | 707.19               | 697.46                | 9.73                    | 72.668            |                    |         |
| 900.00                       | 895.62              | 1,002.98            | 996.15              | 4.97            | 5.26        | 75.44                 | -538.60                           | 440.17     | 684.04               | 673.77                | 10.28                   | 66.568            |                    |         |
| 924.00                       | 919.08              | 1,021.19            | 1,014.12            | 5.06            | 5.32        | 75.91                 | -536.48                           | 438.11     | 678.87               | 668.45                | 10.42                   | 65.174            |                    |         |
| 1,000.00                     | 993.28              | 1,082.37            | 1,074.61            | 5.34            | 5.55        | 77.23                 | -530.18                           | 431.49     | 663.68               | 652.78                | 10.90                   | 60.913            |                    |         |
| 1,100.00                     | 1,090.92            | 1,179.42            | 1,170.62            | 5.73            | 5.92        | 79.46                 | -520.94                           | 420.75     | 645.05               | 633.41                | 11.64                   | 55.438            |                    |         |
| 1,200.00                     | 1,188.56            | 1,278.71            | 1,268.73            | 6.15            | 6.31        | 81.87                 | -510.80                           | 409.32     | 626.64               | 614.23                | 12.42                   | 50.462            |                    |         |
| 1,300.00                     | 1,286.19            | 1,369.80            | 1,358.80            | 6.57            | 6.68        | 84.12                 | -501.27                           | 399.74     | 609.57               | 596.38                | 13.19                   | 46.197            |                    |         |
| 1,400.00                     | 1,383.83            | 1,465.26            | 1,453.27            | 7.01            | 7.07        | 86.57                 | -491.42                           | 390.11     | 593.91               | 579.90                | 14.01                   | 42.384            |                    |         |
| 1,500.00                     | 1,481.47            | 1,564.80            | 1,551.72            | 7.46            | 7.48        | 89.23                 | -480.60                           | 380.19     | 578.99               | 564.13                | 14.87                   | 38.950            |                    |         |
| 1,600.00                     | 1,579.10            | 1,660.01            | 1,645.83            | 7.91            | 7.88        | 91.85                 | -469.57                           | 370.82     | 564.72               | 549.00                | 15.72                   | 35.925            |                    |         |
| 1,700.00                     | 1,676.74            | 1,750.51            | 1,735.41            | 8.37            | 8.27        | 94.39                 | -459.64                           | 362.76     | 552.55               | 535.98                | 16.57                   | 33.344            |                    |         |
| 1,800.00                     | 1,774.38            | 1,847.01            | 1,830.97            | 8.84            | 8.68        | 97.21                 | -449.31                           | 354.09     | 541.98               | 524.53                | 17.45                   | 31.050            |                    |         |
| 1,900.00                     | 1,872.02            | 1,947.71            | 1,930.57            | 9.31            | 9.11        | 100.26                | -437.67                           | 344.95     | 532.00               | 513.64                | 18.36                   | 28.973            |                    |         |
| 2,000.00                     | 1,969.65            | 2,033.85            | 2,015.87            | 9.79            | 9.49        | 102.89                | -428.13                           | 337.75     | 524.08               | 504.85                | 19.23                   | 27.257            |                    |         |
| 2,100.00                     | 2,067.29            | 2,114.54            | 2,096.01            | 10.27           | 9.83        | 105.37                | -421.09                           | 331.48     | 519.97               | 499.91                | 20.07                   | 25.914            |                    |         |
| 2,154.82                     | 2,120.82            | 2,160.96            | 2,142.21            | 10.53           | 10.03       | 106.77                | -418.00                           | 328.20     | 519.44               | 498.92                | 20.53                   | 25.307 CC         |                    |         |
| 2,200.00                     | 2,164.93            | 2,199.58            | 2,180.70            | 10.75           | 10.19       | 107.90                | -415.83                           | 325.87     | 519.79               | 498.89                | 20.90                   | 24.866 ES         |                    |         |
| 2,300.00                     | 2,262.56            | 2,282.59            | 2,263.51            | 11.24           | 10.53       | 110.27                | -412.58                           | 321.28     | 523.18               | 501.47                | 21.71                   | 24.096            |                    |         |
| 2,400.00                     | 2,360.20            | 2,366.82            | 2,347.63            | 11.73           | 10.87       | 112.57                | -411.49                           | 317.04     | 530.29               | 507.79                | 22.50                   | 23.567            |                    |         |
| 2,500.00                     | 2,457.84            | 2,466.39            | 2,447.15            | 12.22           | 11.27       | 114.98                | -411.71                           | 314.25     | 539.72               | 516.34                | 23.38                   | 23.081            |                    |         |
| 2,600.00                     | 2,555.48            | 2,554.27            | 2,534.99            | 12.71           | 11.62       | 117.06                | -411.66                           | 311.57     | 549.89               | 525.71                | 24.18                   | 22.745            |                    |         |
| 2,700.00                     | 2,653.11            | 2,645.79            | 2,626.47            | 13.20           | 11.97       | 119.01                | -413.71                           | 309.78     | 562.81               | 537.83                | 24.98                   | 22.534            |                    |         |
| 2,800.00                     | 2,750.75            | 2,762.79            | 2,743.44            | 13.70           | 12.42       | 121.09                | -415.77                           | 310.72     | 575.45               | 549.48                | 25.97                   | 22.161            |                    |         |
| 2,900.00                     | 2,848.39            | 2,860.29            | 2,840.93            | 14.19           | 12.82       | 122.96                | -414.75                           | 310.00     | 586.29               | 559.46                | 26.84                   | 21.848            |                    |         |
| 3,000.00                     | 2,946.02            | 2,945.13            | 2,925.76            | 14.69           | 13.16       | 124.47                | -415.00                           | 309.61     | 598.92               | 571.32                | 27.60                   | 21.703            |                    |         |
| 3,100.00                     | 3,043.66            | 3,050.93            | 3,031.54            | 15.19           | 13.56       | 126.07                | -416.84                           | 311.09     | 612.83               | 584.33                | 28.50                   | 21.504            |                    |         |
| 3,200.00                     | 3,141.30            | 3,158.00            | 3,138.58            | 15.69           | 13.98       | 127.62                | -416.88                           | 313.05     | 625.38               | 595.97                | 29.41                   | 21.263            |                    |         |
| 3,300.00                     | 3,238.94            | 3,253.56            | 3,234.13            | 16.19           | 14.37       | 129.08                | -415.97                           | 313.67     | 637.87               | 607.61                | 30.26                   | 21.080            |                    |         |
| 3,400.00                     | 3,336.57            | 3,347.18            | 3,327.76            | 16.69           | 14.75       | 130.52                | -415.26                           | 313.44     | 651.28               | 620.19                | 31.10                   | 20.944            |                    |         |
| 3,500.00                     | 3,434.21            | 3,446.06            | 3,426.63            | 17.19           | 15.17       | 132.00                | -414.50                           | 312.88     | 665.26               | 633.28                | 31.97                   | 20.806            |                    |         |
| 3,600.00                     | 3,531.85            | 3,542.03            | 3,522.59            | 17.69           | 15.57       | 133.42                | -413.70                           | 311.95     | 679.77               | 646.94                | 32.83                   | 20.706            |                    |         |
| 3,700.00                     | 3,629.48            | 3,640.82            | 3,621.36            | 18.20           | 15.98       | 134.88                | -412.37                           | 310.35     | 694.56               | 660.85                | 33.70                   | 20.608            |                    |         |
| 3,800.00                     | 3,727.12            | 3,736.79            | 3,717.32            | 18.70           | 16.37       | 136.07                | -412.38                           | 310.50     | 710.07               | 675.53                | 34.54                   | 20.556            |                    |         |
| 3,900.00                     | 3,824.76            | 3,846.18            | 3,826.69            | 19.21           | 16.80       | 137.21                | -412.42                           | 312.82     | 724.94               | 689.46                | 35.48                   | 20.434            |                    |         |
| 4,000.00                     | 3,922.40            | 3,942.80            | 3,923.27            | 19.71           | 17.19       | 138.19                | -411.57                           | 315.29     | 739.04               | 702.72                | 36.32                   | 20.346            |                    |         |
| 4,100.00                     | 4,020.03            | 4,027.71            | 4,008.16            | 20.21           | 17.53       | 139.00                | -411.94                           | 317.17     | 754.64               | 717.55                | 37.08                   | 20.351            |                    |         |
| 4,200.00                     | 4,117.67            | 4,112.78            | 4,093.20            | 20.72           | 17.87       | 139.76                | -413.75                           | 318.33     | 772.24               | 734.41                | 37.83                   | 20.415            |                    |         |
| 4,300.00                     | 4,215.31            | 4,202.13            | 4,182.50            | 21.23           | 18.23       | 140.50                | -416.72                           | 319.32     | 791.15               | 752.54                | 38.60                   | 20.495            |                    |         |
| 4,400.00                     | 4,312.94            | 4,286.53            | 4,266.82            | 21.73           | 18.57       | 141.24                | -420.09                           | 318.84     | 811.64               | 772.31                | 39.33                   | 20.638            |                    |         |
| 4,500.00                     | 4,410.58            | 4,384.09            | 4,364.28            | 22.24           | 18.96       | 142.19                | -423.41                           | 316.04     | 833.15               | 792.97                | 40.18                   | 20.735            |                    |         |
| 4,600.00                     | 4,508.22            | 4,505.76            | 4,485.90            | 22.75           | 19.46       | 143.38                | -425.46                           | 313.13     | 853.26               | 812.00                | 41.26                   | 20.681            |                    |         |
| 4,700.00                     | 4,605.86            | 4,625.66            | 4,605.80            | 23.25           | 19.95       | 144.40                | -425.56                           | 313.30     | 870.83               | 828.54                | 42.29                   | 20.591            |                    |         |
| 4,800.00                     | 4,703.49            | 4,732.36            | 4,712.47            | 23.76           | 20.39       | 145.20                | -424.63                           | 315.40     | 886.73               | 843.52                | 43.22                   | 20.518            |                    |         |
| 4,900.00                     | 4,801.13            | 4,833.26            | 4,813.33            | 24.27           | 20.81       | 145.88                | -423.87                           | 318.38     | 902.28               | 858.17                | 44.10                   | 20.459            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 170-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                     | 4,898.77            | 4,916.57            | 4,896.61            | 24.77           | 21.15       | 146.44                | -423.46                           | 320.32     | 918.54               | 873.68                | 44.86                   | 20.475            |                    |         |
| 5,100.00                     | 4,996.40            | 5,000.73            | 4,980.77            | 25.28           | 21.50       | 147.07                | -423.37                           | 320.46     | 936.54               | 890.92                | 45.61                   | 20.531            |                    |         |
| 5,200.00                     | 5,094.04            | 5,091.19            | 5,071.22            | 25.79           | 21.88       | 147.72                | -424.02                           | 319.87     | 955.82               | 909.41                | 46.41                   | 20.594            |                    |         |
| 5,300.00                     | 5,191.68            | 5,184.70            | 5,164.72            | 26.30           | 22.26       | 148.35                | -425.16                           | 319.12     | 975.70               | 928.47                | 47.24                   | 20.656            |                    |         |
| 5,400.00                     | 5,289.32            | 5,274.28            | 5,254.28            | 26.81           | 22.63       | 148.93                | -426.74                           | 318.26     | 996.21               | 948.19                | 48.02                   | 20.744            |                    |         |
| 5,500.00                     | 5,386.95            | 5,371.94            | 5,351.91            | 27.32           | 23.04       | 149.57                | -428.39                           | 316.34     | 1,017.43             | 968.54                | 48.89                   | 20.812            |                    |         |
| 5,600.00                     | 5,484.59            | 5,496.86            | 5,476.80            | 27.83           | 23.57       | 150.43                | -428.48                           | 314.16     | 1,037.54             | 987.55                | 49.99                   | 20.754            |                    |         |
| 5,700.00                     | 5,582.23            | 5,601.82            | 5,581.76            | 28.33           | 24.01       | 151.10                | -427.23                           | 313.95     | 1,055.80             | 1,004.88              | 50.92                   | 20.734            |                    |         |
| 5,800.00                     | 5,679.87            | 5,695.57            | 5,675.49            | 28.84           | 24.41       | 151.72                | -425.52                           | 313.25     | 1,074.10             | 1,022.34              | 51.76                   | 20.751            |                    |         |
| 5,900.00                     | 5,777.50            | 5,795.48            | 5,775.39            | 29.35           | 24.84       | 152.32                | -424.48                           | 313.05     | 1,092.70             | 1,040.05              | 52.65                   | 20.755            |                    |         |
| 6,000.00                     | 5,875.14            | 5,897.24            | 5,877.14            | 29.86           | 25.26       | 152.84                | -423.65                           | 314.08     | 1,110.69             | 1,057.14              | 53.55                   | 20.742            |                    |         |
| 6,100.00                     | 5,972.78            | 5,979.90            | 5,959.80            | 30.37           | 25.61       | 153.25                | -423.60                           | 314.61     | 1,129.55             | 1,075.26              | 54.29                   | 20.806            |                    |         |
| 6,200.00                     | 6,070.41            | 6,064.40            | 6,044.29            | 30.88           | 25.96       | 153.62                | -424.76                           | 314.69     | 1,149.81             | 1,094.77              | 55.04                   | 20.891            |                    |         |
| 6,300.00                     | 6,168.05            | 7,647.00            | 6,963.19            | 31.39           | 37.91       | 115.07                | -415.58                           | 1,223.23   | 1,126.54             | 1,075.27              | 51.28                   | 21.969            |                    |         |
| 6,400.00                     | 6,265.69            | 7,662.56            | 6,962.53            | 31.90           | 38.18       | 114.04                | -415.19                           | 1,238.77   | 1,062.74             | 1,007.88              | 54.87                   | 19.369            |                    |         |
| 6,439.09                     | 6,303.85            | 7,666.88            | 6,962.37            | 32.10           | 38.26       | 113.75                | -415.10                           | 1,243.09   | 1,039.32             | 983.02                | 56.30                   | 18.462            |                    |         |
| 6,450.00                     | 6,314.53            | 7,668.05            | 6,962.33            | 32.16           | 38.28       | 114.45                | -415.07                           | 1,244.25   | 1,032.93             | 976.24                | 56.70                   | 18.218            |                    |         |
| 6,500.00                     | 6,363.83            | 7,671.92            | 6,962.19            | 32.39           | 38.35       | 122.49                | -414.99                           | 1,248.12   | 1,004.52             | 945.99                | 58.52                   | 17.164            |                    |         |
| 6,550.00                     | 6,413.58            | 7,673.29            | 6,962.15            | 32.60           | 38.38       | 152.12                | -414.96                           | 1,249.49   | 977.72               | 917.41                | 60.31                   | 16.212            |                    |         |
| 6,600.00                     | 6,463.45            | 7,672.00            | 6,962.19            | 32.79           | 38.35       | -149.53               | -414.99                           | 1,248.20   | 952.86               | 890.84                | 62.02                   | 15.363            |                    |         |
| 6,650.00                     | 6,513.15            | 7,667.93            | 6,962.33            | 32.97           | 38.28       | -124.03               | -415.07                           | 1,244.14   | 930.24               | 866.61                | 63.63                   | 14.619            |                    |         |
| 6,700.00                     | 6,562.37            | 7,660.96            | 6,962.59            | 33.15           | 38.16       | -115.53               | -415.23                           | 1,237.17   | 910.12               | 845.00                | 65.12                   | 13.976            |                    |         |
| 6,750.00                     | 6,610.80            | 7,647.00            | 6,963.19            | 33.34           | 37.91       | -111.46               | -415.58                           | 1,223.23   | 892.71               | 826.32                | 66.39                   | 13.446            |                    |         |
| 6,800.00                     | 6,658.14            | 7,635.91            | 6,963.72            | 33.53           | 37.72       | -109.35               | -415.88                           | 1,212.15   | 878.10               | 810.52                | 67.58                   | 12.993            |                    |         |
| 6,850.00                     | 6,704.11            | 7,616.53            | 6,964.66            | 33.74           | 37.40       | -107.46               | -416.44                           | 1,192.81   | 866.31               | 797.82                | 68.49                   | 12.648            |                    |         |
| 6,900.00                     | 6,748.42            | 7,593.87            | 6,965.82            | 33.97           | 37.03       | -105.72               | -417.14                           | 1,170.18   | 857.28               | 788.09                | 69.19                   | 12.390            |                    |         |
| 6,950.00                     | 6,790.79            | 7,568.04            | 6,967.20            | 34.21           | 36.60       | -103.96               | -418.00                           | 1,144.41   | 850.88               | 781.21                | 69.68                   | 12.212            |                    |         |
| 7,000.00                     | 6,830.97            | 7,538.16            | 6,968.86            | 34.48           | 36.13       | -102.08               | -419.07                           | 1,114.59   | 846.89               | 776.93                | 69.97                   | 12.104            |                    |         |
| 7,050.00                     | 6,868.71            | 7,504.41            | 6,970.73            | 34.77           | 35.62       | -100.07               | -420.31                           | 1,080.92   | 844.99               | 774.91                | 70.08                   | 12.057            |                    |         |
| 7,078.64                     | 6,889.13            | 7,483.89            | 6,971.86            | 34.95           | 35.31       | -98.91                | -421.09                           | 1,060.44   | 844.72               | 774.64                | 70.09                   | 12.052 SF         |                    |         |
| 7,100.00                     | 6,903.77            | 7,470.36            | 6,972.59            | 35.09           | 35.09       | -98.13                | -421.60                           | 1,046.94   | 844.85               | 774.78                | 70.07                   | 12.057            |                    |         |
| 7,150.00                     | 6,935.93            | 7,420.71            | 6,975.19            | 35.44           | 34.42       | -95.66                | -423.38                           | 997.40     | 846.01               | 776.16                | 69.85                   | 12.112            |                    |         |
| 7,200.00                     | 6,965.01            | 7,369.20            | 6,977.49            | 35.83           | 33.72       | -93.33                | -424.63                           | 945.95     | 847.73               | 778.19                | 69.54                   | 12.190            |                    |         |
| 7,250.00                     | 6,990.82            | 7,310.90            | 6,977.04            | 36.26           | 33.02       | -90.89                | -425.23                           | 887.69     | 849.54               | 780.34                | 69.20                   | 12.277            |                    |         |
| 7,300.00                     | 7,013.20            | 7,257.49            | 6,970.86            | 36.72           | 32.39       | -88.59                | -424.91                           | 834.66     | 851.28               | 782.40                | 68.88                   | 12.358            |                    |         |
| 7,350.00                     | 7,032.02            | 7,207.83            | 6,960.66            | 37.23           | 31.87       | -86.44                | -423.88                           | 786.09     | 853.07               | 784.44                | 68.63                   | 12.429            |                    |         |
| 7,400.00                     | 7,047.15            | 7,159.37            | 6,946.83            | 37.77           | 31.38       | -84.35                | -422.20                           | 739.69     | 854.91               | 786.52                | 68.39                   | 12.500            |                    |         |
| 7,450.00                     | 7,058.51            | 7,110.41            | 6,929.59            | 38.34           | 30.95       | -82.30                | -419.73                           | 693.94     | 856.63               | 788.47                | 68.16                   | 12.568            |                    |         |
| 7,500.00                     | 7,066.02            | 7,071.05            | 6,913.48            | 38.95           | 30.61       | -80.67                | -417.21                           | 658.12     | 858.23               | 790.14                | 68.09                   | 12.604            |                    |         |
| 7,550.00                     | 7,069.64            | 7,042.95            | 6,900.62            | 39.58           | 30.41       | -79.49                | -415.55                           | 633.20     | 860.30               | 792.04                | 68.26                   | 12.603            |                    |         |
| 7,571.20                     | 7,070.00            | 7,031.11            | 6,894.86            | 39.85           | 30.32       | -79.00                | -414.93                           | 622.87     | 861.35               | 793.00                | 68.35                   | 12.602            |                    |         |
| 7,600.00                     | 7,070.00            | 7,015.29            | 6,886.83            | 40.23           | 30.21       | -78.47                | -414.17                           | 609.25     | 863.08               | 794.61                | 68.47                   | 12.605            |                    |         |
| 7,700.00                     | 7,070.01            | 6,962.01            | 6,857.26            | 41.64           | 29.86       | -76.52                | -412.19                           | 565.00     | 873.12               | 804.18                | 68.95                   | 12.664            |                    |         |
| 7,800.00                     | 7,070.02            | 6,912.77            | 6,826.69            | 43.20           | 29.57       | -74.55                | -410.93                           | 526.45     | 889.62               | 820.17                | 69.45                   | 12.809            |                    |         |
| 7,900.00                     | 7,070.03            | 6,861.73            | 6,792.04            | 44.89           | 29.30       | -72.36                | -409.98                           | 488.99     | 912.76               | 842.90                | 69.85                   | 13.067            |                    |         |
| 8,000.00                     | 7,070.04            | 6,812.40            | 6,756.27            | 46.69           | 29.06       | -70.14                | -408.80                           | 455.05     | 942.05               | 871.87                | 70.18                   | 13.423            |                    |         |
| 8,100.00                     | 7,070.05            | 6,801.00            | 6,747.71            | 48.60           | 29.01       | -69.62                | -408.48                           | 447.53     | 978.37               | 907.25                | 71.12                   | 13.756            |                    |         |
| 8,200.00                     | 7,070.05            | 6,755.84            | 6,712.44            | 50.59           | 28.82       | -67.51                | -407.82                           | 419.36     | 1,020.59             | 949.27                | 71.32                   | 14.309            |                    |         |
| 8,300.00                     | 7,070.06            | 6,733.68            | 6,694.35            | 52.66           | 28.72       | -66.47                | -407.97                           | 406.56     | 1,069.68             | 997.86                | 71.82                   | 14.894            |                    |         |
| 8,400.00                     | 7,070.07            | 6,707.00            | 6,671.95            | 54.81           | 28.61       | -65.21                | -408.55                           | 392.09     | 1,124.54             | 1,052.41              | 72.13                   | 15.591            |                    |         |
| 8,500.00                     | 7,070.08            | 6,707.00            | 6,671.95            | 57.02           | 28.61       | -65.21                | -408.55                           | 392.09     | 1,184.51             | 1,111.78              | 72.73                   | 16.287            |                    |         |
| 8,600.00                     | 7,070.09            | 6,707.00            | 6,671.95            | 59.28           | 28.61       | -65.21                | -408.55                           | 392.09     | 1,249.61             | 1,176.44              | 73.17                   | 17.079            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 170-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,669.33            | 6,639.16            | 61.60           | 28.46       | -63.43                | -410.23                           | 373.62     | 1,317.12             | 1,244.02              | 73.10                   | 18.019            |                    |         |
| 8,800.00                     | 7,070.11            | 6,657.42            | 6,628.53            | 63.95           | 28.41       | -62.88                | -410.99                           | 368.30     | 1,388.90             | 1,315.64              | 73.26                   | 18.958            |                    |         |
| 8,900.00                     | 7,070.12            | 6,646.57            | 6,618.75            | 66.35           | 28.37       | -62.37                | -411.78                           | 363.69     | 1,463.66             | 1,390.27              | 73.38                   | 19.946            |                    |         |
| 9,000.00                     | 7,070.13            | 6,612.00            | 6,586.99            | 68.79           | 28.23       | -60.79                | -414.88                           | 350.41     | 1,541.82             | 1,468.55              | 73.27                   | 21.043            |                    |         |
| 9,100.00                     | 7,070.13            | 6,612.00            | 6,586.99            | 71.25           | 28.23       | -60.79                | -414.88                           | 350.41     | 1,620.91             | 1,547.50              | 73.41                   | 22.080            |                    |         |
| 9,200.00                     | 7,070.14            | 6,612.00            | 6,586.99            | 73.74           | 28.23       | -60.79                | -414.88                           | 350.41     | 1,702.20             | 1,628.70              | 73.50                   | 23.158            |                    |         |
| 9,300.00                     | 7,070.15            | 6,612.00            | 6,586.99            | 76.26           | 28.23       | -60.79                | -414.88                           | 350.41     | 1,785.39             | 1,711.84              | 73.56                   | 24.272            |                    |         |
| 9,400.00                     | 7,070.16            | 6,612.00            | 6,586.99            | 78.80           | 28.23       | -60.79                | -414.88                           | 350.41     | 1,870.23             | 1,796.65              | 73.58                   | 25.418            |                    |         |
| 9,500.00                     | 7,070.17            | 6,612.00            | 6,586.99            | 81.37           | 28.23       | -60.79                | -414.88                           | 350.41     | 1,956.50             | 1,882.92              | 73.58                   | 26.591            |                    |         |
| 9,600.00                     | 7,070.18            | 6,612.00            | 6,586.99            | 83.95           | 28.23       | -60.79                | -414.88                           | 350.41     | 2,044.03             | 1,970.46              | 73.56                   | 27.787            |                    |         |
| 9,700.00                     | 7,070.19            | 6,612.00            | 6,586.99            | 86.55           | 28.23       | -60.79                | -414.88                           | 350.41     | 2,132.65             | 2,059.11              | 73.53                   | 29.003            |                    |         |
| 9,800.00                     | 7,070.20            | 6,572.65            | 6,549.88            | 89.17           | 28.07       | -59.02                | -418.65                           | 337.93     | 2,220.66             | 2,147.25              | 73.40                   | 30.253            |                    |         |
| 9,900.00                     | 7,070.21            | 6,566.65            | 6,544.13            | 91.80           | 28.05       | -58.75                | -419.17                           | 336.27     | 2,310.58             | 2,237.22              | 73.36                   | 31.496            |                    |         |
| 10,000.00                    | 7,070.21            | 6,561.09            | 6,538.79            | 94.44           | 28.03       | -58.50                | -419.64                           | 334.78     | 2,401.24             | 2,327.92              | 73.32                   | 32.752            |                    |         |
| 10,100.00                    | 7,070.22            | 6,555.92            | 6,533.81            | 97.10           | 28.01       | -58.27                | -420.07                           | 333.45     | 2,492.55             | 2,419.28              | 73.27                   | 34.018            |                    |         |
| 10,200.00                    | 7,070.23            | 6,518.00            | 6,496.93            | 99.77           | 27.85       | -56.59                | -422.90                           | 325.19     | 2,585.57             | 2,512.43              | 73.14                   | 35.349            |                    |         |
| 10,300.00                    | 7,070.24            | 6,518.00            | 6,496.93            | 102.44          | 27.85       | -56.59                | -422.90                           | 325.19     | 2,677.74             | 2,604.62              | 73.12                   | 36.622            |                    |         |
| 10,400.00                    | 7,070.25            | 6,518.00            | 6,496.93            | 105.13          | 27.85       | -56.59                | -422.90                           | 325.19     | 2,770.45             | 2,697.36              | 73.09                   | 37.904            |                    |         |
| 10,500.00                    | 7,070.26            | 6,518.00            | 6,496.93            | 107.83          | 27.85       | -56.59                | -422.90                           | 325.19     | 2,863.65             | 2,790.59              | 73.06                   | 39.195            |                    |         |
| 10,600.00                    | 7,070.27            | 6,518.00            | 6,496.93            | 110.53          | 27.85       | -56.59                | -422.90                           | 325.19     | 2,957.29             | 2,884.26              | 73.03                   | 40.494            |                    |         |
| 10,700.00                    | 7,070.28            | 6,518.00            | 6,496.93            | 113.24          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,051.34             | 2,978.34              | 73.00                   | 41.800            |                    |         |
| 10,800.00                    | 7,070.28            | 6,518.00            | 6,496.93            | 115.96          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,145.75             | 3,072.78              | 72.97                   | 43.112            |                    |         |
| 10,900.00                    | 7,070.29            | 6,518.00            | 6,496.93            | 118.69          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,240.50             | 3,167.56              | 72.94                   | 44.429            |                    |         |
| 11,000.00                    | 7,070.30            | 6,518.00            | 6,496.93            | 121.42          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,335.56             | 3,262.65              | 72.91                   | 45.751            |                    |         |
| 11,100.00                    | 7,070.31            | 6,518.00            | 6,496.93            | 124.16          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,430.89             | 3,358.02              | 72.88                   | 47.077            |                    |         |
| 11,200.00                    | 7,070.32            | 6,518.00            | 6,496.93            | 126.90          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,526.49             | 3,453.64              | 72.85                   | 48.407            |                    |         |
| 11,300.00                    | 7,070.33            | 6,518.00            | 6,496.93            | 129.65          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,622.32             | 3,549.50              | 72.83                   | 49.739            |                    |         |
| 11,400.00                    | 7,070.34            | 6,518.00            | 6,496.93            | 132.40          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,718.38             | 3,645.57              | 72.80                   | 51.075            |                    |         |
| 11,500.00                    | 7,070.35            | 6,518.00            | 6,496.93            | 135.16          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,814.63             | 3,741.85              | 72.78                   | 52.413            |                    |         |
| 11,600.00                    | 7,070.36            | 6,518.00            | 6,496.93            | 137.92          | 27.85       | -56.59                | -422.90                           | 325.19     | 3,911.07             | 3,838.31              | 72.76                   | 53.753            |                    |         |
| 11,700.00                    | 7,070.36            | 6,518.00            | 6,496.93            | 140.69          | 27.85       | -56.59                | -422.90                           | 325.19     | 4,007.69             | 3,934.95              | 72.74                   | 55.095            |                    |         |
| 11,800.00                    | 7,070.37            | 6,518.00            | 6,496.93            | 143.46          | 27.85       | -56.59                | -422.90                           | 325.19     | 4,104.47             | 4,031.75              | 72.73                   | 56.438            |                    |         |
| 11,900.00                    | 7,070.38            | 6,518.00            | 6,496.93            | 146.23          | 27.85       | -56.59                | -422.90                           | 325.19     | 4,201.40             | 4,128.69              | 72.71                   | 57.782            |                    |         |
| 12,000.00                    | 7,070.39            | 6,518.00            | 6,496.93            | 149.01          | 27.85       | -56.59                | -422.90                           | 325.19     | 4,298.47             | 4,225.78              | 72.70                   | 59.128            |                    |         |
| 12,100.00                    | 7,070.40            | 6,518.00            | 6,496.93            | 151.79          | 27.85       | -56.59                | -422.90                           | 325.19     | 4,395.68             | 4,322.99              | 72.69                   | 60.474            |                    |         |
| 12,200.00                    | 7,070.41            | 6,518.00            | 6,496.93            | 154.57          | 27.85       | -56.59                | -422.90                           | 325.19     | 4,493.00             | 4,420.32              | 72.68                   | 61.820            |                    |         |
| 12,300.00                    | 7,070.42            | 6,518.00            | 6,496.93            | 157.35          | 27.85       | -56.59                | -422.90                           | 325.19     | 4,590.44             | 4,517.77              | 72.67                   | 63.167            |                    |         |
| 12,400.00                    | 7,070.43            | 6,518.00            | 6,496.93            | 160.14          | 27.85       | -56.59                | -422.90                           | 325.19     | 4,687.99             | 4,615.32              | 72.67                   | 64.513            |                    |         |
| 12,500.00                    | 7,070.44            | 6,518.00            | 6,496.93            | 162.93          | 27.85       | -56.59                | -422.90                           | 325.19     | 4,785.64             | 4,712.98              | 72.66                   | 65.860            |                    |         |
| 12,600.00                    | 7,070.44            | 6,479.35            | 6,458.84            | 165.72          | 27.69       | -54.92                | -425.14                           | 319.08     | 4,882.33             | 4,809.67              | 72.66                   | 67.195            |                    |         |
| 12,700.00                    | 7,070.45            | 6,477.46            | 6,456.96            | 168.52          | 27.68       | -54.84                | -425.23                           | 318.82     | 4,980.06             | 4,907.40              | 72.66                   | 68.539            |                    |         |
| 12,800.00                    | 7,070.46            | 6,475.63            | 6,455.15            | 171.32          | 27.68       | -54.76                | -425.32                           | 318.59     | 5,077.87             | 5,005.21              | 72.66                   | 69.882            |                    |         |
| 12,900.00                    | 7,070.47            | 6,473.87            | 6,453.40            | 174.11          | 27.67       | -54.68                | -425.40                           | 318.36     | 5,175.76             | 5,103.10              | 72.67                   | 71.224            |                    |         |
| 13,000.00                    | 7,070.48            | 6,472.17            | 6,451.72            | 176.92          | 27.66       | -54.61                | -425.47                           | 318.15     | 5,273.73             | 5,201.06              | 72.68                   | 72.565            |                    |         |
| 13,100.00                    | 7,070.49            | 6,470.53            | 6,450.09            | 179.72          | 27.65       | -54.54                | -425.55                           | 317.95     | 5,371.77             | 5,299.09              | 72.68                   | 73.906            |                    |         |
| 13,200.00                    | 7,070.50            | 6,468.94            | 6,448.52            | 182.52          | 27.65       | -54.47                | -425.62                           | 317.76     | 5,469.88             | 5,397.18              | 72.69                   | 75.245            |                    |         |
| 13,300.00                    | 7,070.51            | 6,467.41            | 6,447.00            | 185.33          | 27.64       | -54.41                | -425.68                           | 317.58     | 5,568.05             | 5,495.34              | 72.71                   | 76.583            |                    |         |
| 13,400.00                    | 7,070.52            | 6,465.93            | 6,445.53            | 188.14          | 27.64       | -54.34                | -425.74                           | 317.40     | 5,666.28             | 5,593.56              | 72.72                   | 77.919            |                    |         |
| 13,500.00                    | 7,070.52            | 6,425.00            | 6,404.79            | 190.95          | 27.47       | -52.62                | -427.04                           | 313.76     | 5,765.66             | 5,692.94              | 72.71                   | 79.295            |                    |         |
| 13,600.00                    | 7,070.53            | 6,425.00            | 6,404.79            | 193.76          | 27.47       | -52.62                | -427.04                           | 313.76     | 5,863.92             | 5,791.19              | 72.73                   | 80.626            |                    |         |
| 13,700.00                    | 7,070.54            | 6,425.00            | 6,404.79            | 196.57          | 27.47       | -52.62                | -427.04                           | 313.76     | 5,962.25             | 5,889.50              | 72.75                   | 81.956            |                    |         |
| 13,800.00                    | 7,070.55            | 6,425.00            | 6,404.79            | 199.38          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,060.63             | 5,987.86              | 72.77                   | 83.285            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 170-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,425.00            | 6,404.79            | 202.20          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,159.06             | 6,086.27              | 72.79                   | 84.611            |                    |         |
| 14,000.00                    | 7,070.57            | 6,425.00            | 6,404.79            | 205.01          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,257.54             | 6,184.72              | 72.82                   | 85.936            |                    |         |
| 14,100.00                    | 7,070.58            | 6,425.00            | 6,404.79            | 207.83          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,356.07             | 6,283.23              | 72.84                   | 87.260            |                    |         |
| 14,200.00                    | 7,070.59            | 6,425.00            | 6,404.79            | 210.65          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,454.64             | 6,381.78              | 72.87                   | 88.581            |                    |         |
| 14,300.00                    | 7,070.60            | 6,425.00            | 6,404.79            | 213.47          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,553.26             | 6,480.37              | 72.89                   | 89.900            |                    |         |
| 14,400.00                    | 7,070.60            | 6,425.00            | 6,404.79            | 216.29          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,651.92             | 6,579.00              | 72.92                   | 91.218            |                    |         |
| 14,500.00                    | 7,070.61            | 6,425.00            | 6,404.79            | 219.11          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,750.62             | 6,677.67              | 72.95                   | 92.533            |                    |         |
| 14,600.00                    | 7,070.62            | 6,425.00            | 6,404.79            | 221.94          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,849.35             | 6,776.37              | 72.99                   | 93.846            |                    |         |
| 14,700.00                    | 7,070.63            | 6,425.00            | 6,404.79            | 224.76          | 27.47       | -52.62                | -427.04                           | 313.76     | 6,948.13             | 6,875.11              | 73.02                   | 95.157            |                    |         |
| 14,800.00                    | 7,070.64            | 6,425.00            | 6,404.79            | 227.58          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,046.93             | 6,973.88              | 73.05                   | 96.465            |                    |         |
| 14,900.00                    | 7,070.65            | 6,425.00            | 6,404.79            | 230.41          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,145.77             | 7,072.69              | 73.09                   | 97.771            |                    |         |
| 15,000.00                    | 7,070.66            | 6,425.00            | 6,404.79            | 233.24          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,244.65             | 7,171.52              | 73.12                   | 99.074            |                    |         |
| 15,100.00                    | 7,070.67            | 6,425.00            | 6,404.79            | 236.06          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,343.55             | 7,270.39              | 73.16                   | 100.375           |                    |         |
| 15,200.00                    | 7,070.68            | 6,425.00            | 6,404.79            | 238.89          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,442.48             | 7,369.28              | 73.20                   | 101.674           |                    |         |
| 15,300.00                    | 7,070.68            | 6,425.00            | 6,404.79            | 241.72          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,541.44             | 7,468.20              | 73.24                   | 102.970           |                    |         |
| 15,400.00                    | 7,070.69            | 6,425.00            | 6,404.79            | 244.55          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,640.43             | 7,567.15              | 73.28                   | 104.263           |                    |         |
| 15,500.00                    | 7,070.70            | 6,425.00            | 6,404.79            | 247.38          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,739.44             | 7,666.12              | 73.32                   | 105.553           |                    |         |
| 15,600.00                    | 7,070.71            | 6,425.00            | 6,404.79            | 250.21          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,838.48             | 7,765.11              | 73.37                   | 106.841           |                    |         |
| 15,700.00                    | 7,070.72            | 6,425.00            | 6,404.79            | 253.04          | 27.47       | -52.62                | -427.04                           | 313.76     | 7,937.54             | 7,864.13              | 73.41                   | 108.126           |                    |         |
| 15,800.00                    | 7,070.73            | 6,425.00            | 6,404.79            | 255.87          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,036.63             | 7,963.17              | 73.46                   | 109.408           |                    |         |
| 15,900.00                    | 7,070.74            | 6,425.00            | 6,404.79            | 258.71          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,135.73             | 8,062.23              | 73.50                   | 110.687           |                    |         |
| 16,000.00                    | 7,070.75            | 6,425.00            | 6,404.79            | 261.54          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,234.86             | 8,161.31              | 73.55                   | 111.963           |                    |         |
| 16,100.00                    | 7,070.76            | 6,425.00            | 6,404.79            | 264.37          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,334.01             | 8,260.41              | 73.60                   | 113.236           |                    |         |
| 16,200.00                    | 7,070.76            | 6,425.00            | 6,404.79            | 267.21          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,433.18             | 8,359.54              | 73.65                   | 114.506           |                    |         |
| 16,300.00                    | 7,070.77            | 6,425.00            | 6,404.79            | 270.04          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,532.37             | 8,458.67              | 73.70                   | 115.773           |                    |         |
| 16,400.00                    | 7,070.78            | 6,425.00            | 6,404.79            | 272.88          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,631.58             | 8,557.83              | 73.75                   | 117.037           |                    |         |
| 16,500.00                    | 7,070.79            | 6,425.00            | 6,404.79            | 275.71          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,730.81             | 8,657.00              | 73.80                   | 118.298           |                    |         |
| 16,600.00                    | 7,070.80            | 6,425.00            | 6,404.79            | 278.55          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,830.05             | 8,756.19              | 73.86                   | 119.556           |                    |         |
| 16,700.00                    | 7,070.81            | 6,425.00            | 6,404.79            | 281.39          | 27.47       | -52.62                | -427.04                           | 313.76     | 8,929.31             | 8,855.40              | 73.91                   | 120.810           |                    |         |
| 16,800.00                    | 7,070.82            | 6,425.00            | 6,404.79            | 284.22          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,028.59             | 8,954.62              | 73.97                   | 122.061           |                    |         |
| 16,900.00                    | 7,070.83            | 6,425.00            | 6,404.79            | 287.06          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,127.88             | 9,053.86              | 74.02                   | 123.309           |                    |         |
| 17,000.00                    | 7,070.84            | 6,425.00            | 6,404.79            | 289.90          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,227.19             | 9,153.11              | 74.08                   | 124.554           |                    |         |
| 17,100.00                    | 7,070.84            | 6,425.00            | 6,404.79            | 292.74          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,326.51             | 9,252.37              | 74.14                   | 125.795           |                    |         |
| 17,200.00                    | 7,070.85            | 6,425.00            | 6,404.79            | 295.58          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,425.85             | 9,351.65              | 74.20                   | 127.033           |                    |         |
| 17,300.00                    | 7,070.86            | 6,425.00            | 6,404.79            | 298.42          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,525.20             | 9,450.94              | 74.26                   | 128.267           |                    |         |
| 17,400.00                    | 7,070.87            | 6,425.00            | 6,404.79            | 301.26          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,624.57             | 9,550.24              | 74.32                   | 129.498           |                    |         |
| 17,500.00                    | 7,070.88            | 6,425.00            | 6,404.79            | 304.10          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,723.94             | 9,649.56              | 74.38                   | 130.726           |                    |         |
| 17,600.00                    | 7,070.89            | 6,425.00            | 6,404.79            | 306.94          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,823.33             | 9,748.89              | 74.45                   | 131.950           |                    |         |
| 17,700.00                    | 7,070.90            | 6,425.00            | 6,404.79            | 309.78          | 27.47       | -52.62                | -427.04                           | 313.76     | 9,922.74             | 9,848.22              | 74.51                   | 133.170           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 141-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 140.68                | -617.86                           | 506.15     | 798.79               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 75.11               | 75.11               | 3.28            | 3.28        | 140.69                | -618.45                           | 506.46     | 799.48               | 792.91                | 6.57                    | 121.684           |                    |         |
| 200.00                       | 200.00              | 168.38              | 168.34              | 3.34            | 3.31        | 140.73                | -620.71                           | 507.56     | 802.08               | 795.43                | 6.65                    | 120.641           |                    |         |
| 300.00                       | 300.00              | 293.73              | 293.67              | 3.44            | 3.42        | 140.85                | -622.79                           | 506.99     | 803.08               | 796.21                | 6.87                    | 116.906           |                    |         |
| 400.00                       | 399.98              | 433.94              | 433.73              | 3.60            | 3.64        | 68.90                 | -622.41                           | 500.99     | 799.61               | 792.33                | 7.27                    | 109.915           |                    |         |
| 500.00                       | 499.84              | 560.12              | 559.21              | 3.80            | 3.92        | 70.15                 | -620.22                           | 488.12     | 789.96               | 782.19                | 7.78                    | 101.548           |                    |         |
| 600.00                       | 599.45              | 653.40              | 651.77              | 4.04            | 4.16        | 71.53                 | -618.56                           | 476.65     | 778.23               | 769.98                | 8.24                    | 94.411            |                    |         |
| 700.00                       | 698.70              | 728.74              | 726.47              | 4.32            | 4.37        | 72.99                 | -619.12                           | 466.96     | 767.58               | 758.88                | 8.70                    | 88.195            |                    |         |
| 800.00                       | 797.47              | 795.00              | 792.20              | 4.63            | 4.57        | 74.48                 | -622.25                           | 459.15     | 760.34               | 751.14                | 9.20                    | 82.684            |                    |         |
| 900.00                       | 895.62              | 863.35              | 859.90              | 4.97            | 4.80        | 76.19                 | -628.05                           | 451.78     | 756.82               | 747.07                | 9.75                    | 77.604            |                    |         |
| 924.00                       | 919.08              | 880.05              | 876.41              | 5.06            | 4.86        | 76.63                 | -629.81                           | 450.03     | 756.51               | 746.62                | 9.89                    | 76.466            |                    |         |
| 944.38                       | 938.98              | 895.12              | 891.30              | 5.13            | 4.91        | 77.03                 | -631.52                           | 448.48     | 756.44               | 746.42                | 10.02                   | 75.504 CC, ES     |                    |         |
| 1,000.00                     | 993.28              | 940.81              | 936.48              | 5.34            | 5.06        | 78.23                 | -636.80                           | 444.15     | 756.91               | 746.53                | 10.38                   | 72.904            |                    |         |
| 1,100.00                     | 1,090.92            | 1,018.76            | 1,013.64            | 5.73            | 5.33        | 80.18                 | -646.17                           | 438.26     | 760.19               | 749.14                | 11.04                   | 68.836            |                    |         |
| 1,200.00                     | 1,188.56            | 1,091.61            | 1,085.76            | 6.15            | 5.59        | 81.86                 | -655.92                           | 435.20     | 767.33               | 755.62                | 11.70                   | 65.570            |                    |         |
| 1,300.00                     | 1,286.19            | 1,162.68            | 1,155.99            | 6.57            | 5.85        | 83.37                 | -666.77                           | 434.49     | 778.49               | 766.13                | 12.36                   | 62.983            |                    |         |
| 1,400.00                     | 1,383.83            | 1,247.56            | 1,239.64            | 7.01            | 6.16        | 85.04                 | -681.13                           | 435.38     | 792.81               | 779.73                | 13.08                   | 60.605            |                    |         |
| 1,500.00                     | 1,481.47            | 1,332.20            | 1,322.87            | 7.46            | 6.48        | 86.69                 | -696.49                           | 436.32     | 809.16               | 795.35                | 13.82                   | 58.567            |                    |         |
| 1,600.00                     | 1,579.10            | 1,419.88            | 1,408.86            | 7.91            | 6.83        | 88.39                 | -713.65                           | 436.71     | 827.49               | 812.91                | 14.58                   | 56.761            |                    |         |
| 1,700.00                     | 1,676.74            | 1,507.85            | 1,494.98            | 8.37            | 7.19        | 90.06                 | -731.56                           | 436.90     | 847.36               | 832.01                | 15.35                   | 55.190            |                    |         |
| 1,800.00                     | 1,774.38            | 1,598.50            | 1,583.60            | 8.84            | 7.58        | 91.71                 | -750.61                           | 437.22     | 868.69               | 852.54                | 16.15                   | 53.777            |                    |         |
| 1,900.00                     | 1,872.02            | 1,689.96            | 1,672.98            | 9.31            | 7.98        | 93.29                 | -769.98                           | 437.74     | 890.99               | 874.02                | 16.97                   | 52.512            |                    |         |
| 2,000.00                     | 1,969.65            | 1,783.04            | 1,763.84            | 9.79            | 8.39        | 94.82                 | -790.19                           | 438.47     | 914.51               | 896.71                | 17.80                   | 51.377            |                    |         |
| 2,100.00                     | 2,067.29            | 1,892.92            | 1,871.41            | 10.27           | 8.88        | 96.51                 | -812.58                           | 439.52     | 937.38               | 918.63                | 18.75                   | 49.989            |                    |         |
| 2,200.00                     | 2,164.93            | 1,994.88            | 1,971.41            | 10.75           | 9.35        | 98.00                 | -832.47                           | 440.46     | 960.04               | 940.38                | 19.66                   | 48.834            |                    |         |
| 2,300.00                     | 2,262.56            | 2,091.40            | 2,066.19            | 11.24           | 9.79        | 99.42                 | -850.73                           | 439.88     | 982.51               | 961.98                | 20.54                   | 47.841            |                    |         |
| 2,400.00                     | 2,360.20            | 2,188.00            | 2,161.03            | 11.73           | 10.23       | 100.75                | -869.08                           | 439.87     | 1,005.67             | 984.25                | 21.42                   | 46.950            |                    |         |
| 2,500.00                     | 2,457.84            | 2,283.88            | 2,255.24            | 12.22           | 10.68       | 101.98                | -886.88                           | 440.30     | 1,028.92             | 1,006.62              | 22.30                   | 46.135            |                    |         |
| 2,600.00                     | 2,555.48            | 2,379.04            | 2,348.71            | 12.71           | 11.12       | 103.23                | -904.69                           | 439.26     | 1,052.73             | 1,029.55              | 23.18                   | 45.409            |                    |         |
| 2,700.00                     | 2,653.11            | 2,479.72            | 2,447.67            | 13.20           | 11.59       | 104.49                | -923.21                           | 438.44     | 1,076.71             | 1,052.60              | 24.11                   | 44.664            |                    |         |
| 2,800.00                     | 2,750.75            | 2,576.33            | 2,542.72            | 13.70           | 12.04       | 105.62                | -940.52                           | 438.09     | 1,100.64             | 1,075.64              | 25.00                   | 44.019            |                    |         |
| 2,900.00                     | 2,848.39            | 2,677.08            | 2,641.87            | 14.19           | 12.52       | 106.72                | -958.36                           | 438.11     | 1,124.75             | 1,098.82              | 25.93                   | 43.372            |                    |         |
| 3,000.00                     | 2,946.02            | 2,767.80            | 2,731.19            | 14.69           | 12.94       | 107.75                | -974.16                           | 436.62     | 1,149.02             | 1,122.23              | 26.79                   | 42.890            |                    |         |
| 3,100.00                     | 3,043.66            | 2,854.22            | 2,816.16            | 15.19           | 13.35       | 108.77                | -989.63                           | 433.65     | 1,174.25             | 1,146.63              | 27.61                   | 42.523            |                    |         |
| 3,200.00                     | 3,141.30            | 2,944.56            | 2,904.90            | 15.69           | 13.79       | 109.78                | -1,006.32                         | 430.86     | 1,200.42             | 1,171.95              | 28.47                   | 42.164            |                    |         |
| 3,300.00                     | 3,238.94            | 3,040.99            | 2,999.62            | 16.19           | 14.25       | 110.80                | -1,024.23                         | 428.18     | 1,227.02             | 1,197.65              | 29.38                   | 41.771            |                    |         |
| 3,400.00                     | 3,336.57            | 3,135.38            | 3,092.37            | 16.69           | 14.70       | 111.72                | -1,041.64                         | 426.36     | 1,253.76             | 1,223.49              | 30.27                   | 41.425            |                    |         |
| 3,500.00                     | 3,434.21            | 3,230.18            | 3,185.51            | 17.19           | 15.16       | 112.60                | -1,059.22                         | 424.71     | 1,280.86             | 1,249.70              | 31.16                   | 41.105            |                    |         |
| 3,600.00                     | 3,531.85            | 3,326.38            | 3,289.91            | 17.69           | 15.67       | 113.51                | -1,078.61                         | 423.71     | 1,307.86             | 1,275.71              | 32.15                   | 40.682            |                    |         |
| 3,700.00                     | 3,629.48            | 3,423.69            | 3,387.67            | 18.20           | 16.14       | 114.28                | -1,096.12                         | 423.74     | 1,334.34             | 1,301.26              | 33.08                   | 40.335            |                    |         |
| 3,800.00                     | 3,727.12            | 3,523.81            | 3,484.27            | 18.70           | 16.61       | 115.00                | -1,113.29                         | 424.25     | 1,360.83             | 1,326.82              | 34.01                   | 40.017            |                    |         |
| 3,900.00                     | 3,824.76            | 3,624.40            | 3,583.27            | 19.21           | 17.14       | 115.77                | -1,131.98                         | 425.17     | 1,386.89             | 1,351.86              | 35.03                   | 39.593            |                    |         |
| 4,000.00                     | 3,922.40            | 3,724.45            | 3,689.09            | 19.71           | 17.60       | 116.47                | -1,147.32                         | 424.68     | 1,412.31             | 1,376.37              | 35.94                   | 39.294            |                    |         |
| 4,100.00                     | 4,020.03            | 3,828.71            | 3,785.41            | 20.21           | 17.92       | 116.99                | -1,158.44                         | 423.06     | 1,438.99             | 1,402.37              | 36.62                   | 39.298            |                    |         |
| 4,200.00                     | 4,117.67            | 3,887.25            | 3,832.63            | 20.72           | 18.30       | 117.60                | -1,172.54                         | 420.49     | 1,467.38             | 1,430.01              | 37.38                   | 39.257            |                    |         |
| 4,300.00                     | 4,215.31            | 3,968.90            | 3,912.77            | 21.23           | 18.70       | 118.21                | -1,187.89                         | 417.70     | 1,496.83             | 1,458.67              | 38.16                   | 39.221            |                    |         |
| 4,400.00                     | 4,312.94            | 4,055.41            | 3,997.57            | 21.73           | 19.12       | 118.86                | -1,204.65                         | 414.17     | 1,527.16             | 1,488.17              | 38.99                   | 39.167            |                    |         |
| 4,500.00                     | 4,410.58            | 4,141.04            | 4,081.45            | 22.24           | 19.54       | 119.46                | -1,221.58                         | 410.96     | 1,558.00             | 1,518.19              | 39.81                   | 39.135            |                    |         |
| 4,600.00                     | 4,508.22            | 4,231.47            | 4,169.90            | 22.75           | 19.99       | 120.06                | -1,240.09                         | 407.60     | 1,589.64             | 1,548.96              | 40.68                   | 39.080            |                    |         |
| 4,700.00                     | 4,605.86            | 4,341.58            | 4,277.74            | 23.25           | 20.54       | 120.74                | -1,262.12                         | 404.38     | 1,620.83             | 1,579.10              | 41.73                   | 38.845            |                    |         |
| 4,800.00                     | 4,703.49            | 4,430.36            | 4,364.78            | 23.76           | 20.98       | 121.26                | -1,279.46                         | 402.11     | 1,651.64             | 1,609.06              | 42.58                   | 38.791            |                    |         |
| 4,900.00                     | 4,801.13            | 4,510.70            | 4,443.36            | 24.27           | 21.38       | 121.68                | -1,296.15                         | 401.05     | 1,683.36             | 1,640.01              | 43.35                   | 38.829            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 141-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                     | 4,898.77            | 4,601.28            | 4,531.79            | 24.77           | 21.83       | 122.08                | -1,315.77                         | 400.84     | 1,715.72             | 1,671.49              | 44.23                   | 38.793            |                    |         |
| 5,100.00                     | 4,996.40            | 4,699.41            | 4,627.67            | 25.28           | 22.33       | 122.53                | -1,336.65                         | 400.16     | 1,747.92             | 1,702.75              | 45.17                   | 38.692            |                    |         |
| 5,200.00                     | 5,094.04            | 4,806.48            | 4,732.35            | 25.79           | 22.86       | 123.01                | -1,359.11                         | 398.92     | 1,780.13             | 1,733.92              | 46.20                   | 38.527            |                    |         |
| 5,300.00                     | 5,191.68            | 4,908.86            | 4,832.69            | 26.30           | 23.37       | 123.48                | -1,379.35                         | 397.53     | 1,811.30             | 1,764.12              | 47.19                   | 38.385            |                    |         |
| 5,400.00                     | 5,289.32            | 5,022.73            | 4,944.38            | 26.81           | 23.94       | 123.98                | -1,401.50                         | 395.91     | 1,842.37             | 1,794.10              | 48.27                   | 38.166            |                    |         |
| 5,500.00                     | 5,386.95            | 5,123.59            | 5,043.38            | 27.32           | 24.43       | 124.35                | -1,420.76                         | 396.56     | 1,872.52             | 1,823.28              | 49.24                   | 38.029            |                    |         |
| 5,600.00                     | 5,484.59            | 5,254.29            | 5,171.80            | 27.83           | 25.07       | 124.78                | -1,444.93                         | 398.65     | 1,901.93             | 1,851.47              | 50.46                   | 37.691            |                    |         |
| 5,700.00                     | 5,582.23            | 5,400.92            | 5,316.53            | 28.33           | 25.77       | 125.28                | -1,468.32                         | 401.31     | 1,928.92             | 1,877.13              | 51.78                   | 37.250            |                    |         |
| 5,800.00                     | 5,679.87            | 5,467.04            | 5,381.87            | 28.84           | 26.08       | 125.51                | -1,478.33                         | 402.30     | 1,955.42             | 1,902.96              | 52.46                   | 37.272            |                    |         |
| 5,900.00                     | 5,777.50            | 5,533.45            | 5,447.35            | 29.35           | 26.40       | 125.74                | -1,489.44                         | 402.66     | 1,983.65             | 1,930.51              | 53.14                   | 37.332            |                    |         |
| 6,000.00                     | 5,875.14            | 5,622.05            | 5,534.58            | 29.86           | 26.83       | 126.05                | -1,504.99                         | 402.57     | 2,012.91             | 1,958.92              | 53.99                   | 37.282            |                    |         |
| 6,100.00                     | 5,972.78            | 5,723.17            | 5,634.27            | 30.37           | 27.32       | 126.41                | -1,521.84                         | 402.17     | 2,041.53             | 1,986.58              | 54.96                   | 37.149            |                    |         |
| 6,200.00                     | 6,070.41            | 5,784.00            | 5,694.10            | 30.88           | 27.62       | 126.61                | -1,532.87                         | 402.28     | 2,071.35             | 2,015.79              | 55.57                   | 37.277            |                    |         |
| 6,300.00                     | 6,168.05            | 5,848.27            | 5,757.08            | 31.39           | 27.94       | 126.79                | -1,545.67                         | 402.67     | 2,102.69             | 2,046.49              | 56.20                   | 37.413            |                    |         |
| 6,400.00                     | 6,265.69            | 5,988.16            | 5,894.06            | 31.90           | 28.64       | 127.15                | -1,574.00                         | 404.01     | 2,134.49             | 2,076.96              | 57.54                   | 37.097            |                    |         |
| 6,439.09                     | 6,303.85            | 6,040.40            | 5,945.43            | 32.10           | 28.89       | 127.30                | -1,583.51                         | 404.38     | 2,146.17             | 2,088.14              | 58.03                   | 36.985            |                    |         |
| 6,450.00                     | 6,314.53            | 6,056.48            | 5,961.26            | 32.16           | 28.97       | 129.10                | -1,586.31                         | 404.44     | 2,149.33             | 2,091.16              | 58.18                   | 36.945            |                    |         |
| 6,500.00                     | 6,363.83            | 6,094.15            | 5,998.36            | 32.39           | 29.15       | 141.77                | -1,592.86                         | 404.54     | 2,163.06             | 2,104.52              | 58.53                   | 36.955            |                    |         |
| 6,550.00                     | 6,413.58            | 6,127.87            | 6,031.52            | 32.60           | 29.32       | 175.42                | -1,598.96                         | 404.60     | 2,175.75             | 2,116.92              | 58.83                   | 36.983            |                    |         |
| 6,600.00                     | 6,463.45            | 6,166.27            | 6,069.23            | 32.79           | 29.51       | -122.86               | -1,606.19                         | 404.65     | 2,187.33             | 2,128.18              | 59.16                   | 36.976            |                    |         |
| 6,650.00                     | 6,513.15            | 6,262.22            | 6,163.62            | 32.97           | 29.98       | -94.99                | -1,623.39                         | 405.19     | 2,196.99             | 2,137.00              | 59.98                   | 36.628            |                    |         |
| 6,700.00                     | 6,562.37            | 6,318.79            | 6,219.35            | 33.15           | 30.25       | -84.74                | -1,633.08                         | 406.22     | 2,204.58             | 2,144.12              | 60.46                   | 36.463            |                    |         |
| 6,750.00                     | 6,610.80            | 6,386.98            | 6,286.46            | 33.34           | 30.57       | -80.05                | -1,644.80                         | 408.91     | 2,210.40             | 2,149.36              | 61.04                   | 36.210            |                    |         |
| 6,800.00                     | 6,658.14            | 6,693.13            | 6,573.25            | 33.53           | 31.88       | -81.83                | -1,701.17                         | 490.18     | 2,213.11             | 2,149.99              | 63.12                   | 35.060            |                    |         |
| 6,850.00                     | 6,704.11            | 7,139.99            | 6,888.77            | 33.74           | 33.29       | -90.86                | -1,767.03                         | 790.90     | 2,211.30             | 2,145.91              | 65.39                   | 33.816            |                    |         |
| 6,900.00                     | 6,748.42            | 7,141.39            | 6,889.43            | 33.97           | 33.29       | -90.03                | -1,767.17                         | 792.12     | 2,207.05             | 2,141.27              | 65.78                   | 33.551            |                    |         |
| 6,950.00                     | 6,790.79            | 7,136.69            | 6,887.18            | 34.21           | 33.28       | -89.33                | -1,766.69                         | 788.02     | 2,203.40             | 2,137.28              | 66.12                   | 33.322            |                    |         |
| 7,000.00                     | 6,830.97            | 7,127.76            | 6,882.82            | 34.48           | 33.25       | -88.69                | -1,765.77                         | 780.28     | 2,200.36             | 2,133.93              | 66.43                   | 33.122            |                    |         |
| 7,050.00                     | 6,868.71            | 7,115.79            | 6,876.82            | 34.77           | 33.21       | -88.08                | -1,764.54                         | 770.01     | 2,197.90             | 2,131.19              | 66.72                   | 32.944            |                    |         |
| 7,100.00                     | 6,903.77            | 7,101.93            | 6,869.63            | 35.09           | 33.17       | -87.48                | -1,763.12                         | 758.24     | 2,196.01             | 2,129.02              | 66.99                   | 32.783            |                    |         |
| 7,150.00                     | 6,935.93            | 7,083.96            | 6,859.94            | 35.44           | 33.11       | -86.83                | -1,761.29                         | 743.22     | 2,194.62             | 2,127.36              | 67.26                   | 32.627            |                    |         |
| 7,200.00                     | 6,965.01            | 7,064.92            | 6,849.20            | 35.83           | 33.06       | -86.18                | -1,759.34                         | 727.62     | 2,193.70             | 2,126.15              | 67.55                   | 32.475            |                    |         |
| 7,250.00                     | 6,990.82            | 7,045.07            | 6,837.52            | 36.26           | 33.00       | -85.54                | -1,757.30                         | 711.70     | 2,193.18             | 2,125.33              | 67.85                   | 32.323            |                    |         |
| 7,300.00                     | 7,013.20            | 7,300.00            | 6,784.59            | 36.72           | 34.04       | -83.47                | -1,747.91                         | 652.28     | 2,192.71             | 2,123.14              | 69.57                   | 31.518            |                    |         |
| 7,350.00                     | 7,032.02            | 6,815.00            | 6,674.17            | 37.23           | 32.32       | -79.73                | -1,723.96                         | 554.43     | 2,192.00             | 2,124.91              | 67.09                   | 32.671            |                    |         |
| 7,400.00                     | 7,047.15            | 6,802.04            | 6,663.86            | 37.77           | 32.27       | -79.43                | -1,721.47                         | 546.97     | 2,190.66             | 2,123.15              | 67.51                   | 32.449            |                    |         |
| 7,450.00                     | 7,058.51            | 6,787.72            | 6,652.36            | 38.34           | 32.22       | -79.12                | -1,718.74                         | 538.90     | 2,189.37             | 2,121.41              | 67.96                   | 32.216            |                    |         |
| 7,500.00                     | 7,066.02            | 6,771.87            | 6,639.47            | 38.95           | 32.16       | -78.81                | -1,715.73                         | 530.18     | 2,188.08             | 2,119.65              | 68.44                   | 31.973            |                    |         |
| 7,550.00                     | 7,069.64            | 6,754.68            | 6,625.32            | 39.58           | 32.10       | -78.51                | -1,712.51                         | 520.96     | 2,186.75             | 2,117.82              | 68.93                   | 31.722            |                    |         |
| 7,571.20                     | 7,070.00            | 6,747.03            | 6,618.97            | 39.85           | 32.08       | -78.38                | -1,711.08                         | 516.94     | 2,186.16             | 2,117.01              | 69.15                   | 31.614            |                    |         |
| 7,600.00                     | 7,070.00            | 6,736.68            | 6,610.32            | 40.23           | 32.04       | -78.15                | -1,709.16                         | 511.59     | 2,185.50             | 2,116.04              | 69.45                   | 31.466            |                    |         |
| 7,647.00                     | 7,070.01            | 6,720.00            | 6,596.25            | 40.89           | 31.98       | -77.77                | -1,706.09                         | 503.17     | 2,185.08             | 2,115.09              | 70.00                   | 31.218            |                    |         |
| 7,700.00                     | 7,070.01            | 6,701.10            | 6,580.12            | 41.64           | 31.91       | -77.34                | -1,702.63                         | 493.95     | 2,185.62             | 2,115.02              | 70.60                   | 30.958            |                    |         |
| 7,800.00                     | 7,070.02            | 6,668.30            | 6,551.63            | 43.20           | 31.79       | -76.58                | -1,696.63                         | 478.86     | 2,189.55             | 2,117.67              | 71.87                   | 30.464            |                    |         |
| 7,900.00                     | 7,070.03            | 6,640.01            | 6,526.58            | 44.89           | 31.68       | -75.91                | -1,691.47                         | 466.76     | 2,197.41             | 2,124.14              | 73.27                   | 29.991            |                    |         |
| 8,000.00                     | 7,070.04            | 6,613.48            | 6,502.71            | 46.69           | 31.58       | -75.27                | -1,686.64                         | 456.23     | 2,209.27             | 2,134.54              | 74.73                   | 29.564            |                    |         |
| 8,100.00                     | 7,070.05            | 6,589.42            | 6,480.74            | 48.60           | 31.48       | -74.68                | -1,682.19                         | 447.51     | 2,225.12             | 2,148.88              | 76.24                   | 29.186            |                    |         |
| 8,200.00                     | 7,070.05            | 6,569.29            | 6,462.13            | 50.59           | 31.40       | -74.19                | -1,678.41                         | 440.83     | 2,244.98             | 2,167.19              | 77.79                   | 28.858            |                    |         |
| 8,300.00                     | 7,070.06            | 6,552.22            | 6,446.21            | 52.66           | 31.33       | -73.77                | -1,675.16                         | 435.62     | 2,268.82             | 2,189.46              | 79.36                   | 28.589            |                    |         |
| 8,400.00                     | 7,070.07            | 6,533.00            | 6,428.13            | 54.81           | 31.25       | -73.29                | -1,671.47                         | 430.24     | 2,296.57             | 2,215.71              | 80.87                   | 28.400            |                    |         |
| 8,500.00                     | 7,070.08            | 6,533.00            | 6,428.13            | 57.02           | 31.25       | -73.29                | -1,671.47                         | 430.24     | 2,328.15             | 2,245.62              | 82.53                   | 28.209            |                    |         |
| 8,600.00                     | 7,070.09            | 6,533.00            | 6,428.13            | 59.28           | 31.25       | -73.29                | -1,671.47                         | 430.24     | 2,363.53             | 2,279.40              | 84.13                   | 28.094            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 141-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,533.00            | 6,428.13            | 61.60           | 31.25       | -73.29                | -1,671.47                         | 430.24     | 2,402.56             | 2,316.91              | 85.65                   | 28.049            | SF                 |         |
| 8,800.00                     | 7,070.11            | 6,533.00            | 6,428.13            | 63.95           | 31.25       | -73.29                | -1,671.47                         | 430.24     | 2,445.06             | 2,357.97              | 87.10                   | 28.073            |                    |         |
| 8,900.00                     | 7,070.12            | 6,499.32            | 6,396.05            | 66.35           | 31.09       | -72.44                | -1,665.04                         | 422.29     | 2,490.02             | 2,401.91              | 88.11                   | 28.260            |                    |         |
| 9,000.00                     | 7,070.13            | 6,493.97            | 6,390.90            | 68.79           | 31.07       | -72.30                | -1,664.03                         | 421.21     | 2,538.60             | 2,449.27              | 89.34                   | 28.416            |                    |         |
| 9,100.00                     | 7,070.13            | 6,489.09            | 6,386.20            | 71.25           | 31.05       | -72.18                | -1,663.12                         | 420.27     | 2,590.10             | 2,499.62              | 90.49                   | 28.624            |                    |         |
| 9,200.00                     | 7,070.14            | 6,484.62            | 6,381.88            | 73.74           | 31.03       | -72.06                | -1,662.29                         | 419.45     | 2,644.35             | 2,552.79              | 91.56                   | 28.882            |                    |         |
| 9,300.00                     | 7,070.15            | 6,480.51            | 6,377.92            | 76.26           | 31.01       | -71.96                | -1,661.52                         | 418.73     | 2,701.18             | 2,608.63              | 92.55                   | 29.186            |                    |         |
| 9,400.00                     | 7,070.16            | 6,476.73            | 6,374.25            | 78.80           | 30.99       | -71.86                | -1,660.82                         | 418.09     | 2,760.44             | 2,666.97              | 93.47                   | 29.532            |                    |         |
| 9,500.00                     | 7,070.17            | 6,440.00            | 6,338.47            | 81.37           | 30.83       | -70.92                | -1,654.15                         | 413.20     | 2,822.91             | 2,728.93              | 93.98                   | 30.038            |                    |         |
| 9,600.00                     | 7,070.18            | 6,440.00            | 6,338.47            | 83.95           | 30.83       | -70.92                | -1,654.15                         | 413.20     | 2,886.42             | 2,791.62              | 94.80                   | 30.447            |                    |         |
| 9,700.00                     | 7,070.19            | 6,440.00            | 6,338.47            | 86.55           | 30.83       | -70.92                | -1,654.15                         | 413.20     | 2,951.95             | 2,856.39              | 95.56                   | 30.892            |                    |         |
| 9,800.00                     | 7,070.20            | 6,440.00            | 6,338.47            | 89.17           | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,019.38             | 2,923.12              | 96.26                   | 31.369            |                    |         |
| 9,900.00                     | 7,070.21            | 6,440.00            | 6,338.47            | 91.80           | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,088.57             | 2,991.67              | 96.89                   | 31.876            |                    |         |
| 10,000.00                    | 7,070.21            | 6,440.00            | 6,338.47            | 94.44           | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,159.41             | 3,061.93              | 97.48                   | 32.411            |                    |         |
| 10,100.00                    | 7,070.22            | 6,440.00            | 6,338.47            | 97.10           | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,231.79             | 3,133.77              | 98.02                   | 32.972            |                    |         |
| 10,200.00                    | 7,070.23            | 6,440.00            | 6,338.47            | 99.77           | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,305.62             | 3,207.11              | 98.51                   | 33.556            |                    |         |
| 10,300.00                    | 7,070.24            | 6,440.00            | 6,338.47            | 102.44          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,380.79             | 3,281.83              | 98.96                   | 34.163            |                    |         |
| 10,400.00                    | 7,070.25            | 6,440.00            | 6,338.47            | 105.13          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,457.21             | 3,357.84              | 99.37                   | 34.790            |                    |         |
| 10,500.00                    | 7,070.26            | 6,440.00            | 6,338.47            | 107.83          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,534.82             | 3,435.07              | 99.75                   | 35.437            |                    |         |
| 10,600.00                    | 7,070.27            | 6,440.00            | 6,338.47            | 110.53          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,613.52             | 3,513.43              | 100.10                  | 36.100            |                    |         |
| 10,700.00                    | 7,070.28            | 6,440.00            | 6,338.47            | 113.24          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,693.26             | 3,592.85              | 100.41                  | 36.781            |                    |         |
| 10,800.00                    | 7,070.28            | 6,440.00            | 6,338.47            | 115.96          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,773.96             | 3,673.26              | 100.70                  | 37.476            |                    |         |
| 10,900.00                    | 7,070.29            | 6,440.00            | 6,338.47            | 118.69          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,855.57             | 3,754.60              | 100.97                  | 38.185            |                    |         |
| 11,000.00                    | 7,070.30            | 6,440.00            | 6,338.47            | 121.42          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 3,938.02             | 3,836.81              | 101.21                  | 38.908            |                    |         |
| 11,100.00                    | 7,070.31            | 6,440.00            | 6,338.47            | 124.16          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,021.27             | 3,919.83              | 101.44                  | 39.643            |                    |         |
| 11,200.00                    | 7,070.32            | 6,440.00            | 6,338.47            | 126.90          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,105.27             | 4,003.63              | 101.64                  | 40.389            |                    |         |
| 11,300.00                    | 7,070.33            | 6,440.00            | 6,338.47            | 129.65          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,189.97             | 4,088.14              | 101.83                  | 41.147            |                    |         |
| 11,400.00                    | 7,070.34            | 6,440.00            | 6,338.47            | 132.40          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,275.33             | 4,173.33              | 102.00                  | 41.914            |                    |         |
| 11,500.00                    | 7,070.35            | 6,440.00            | 6,338.47            | 135.16          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,361.32             | 4,259.15              | 102.16                  | 42.690            |                    |         |
| 11,600.00                    | 7,070.36            | 6,440.00            | 6,338.47            | 137.92          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,447.89             | 4,345.58              | 102.31                  | 43.475            |                    |         |
| 11,700.00                    | 7,070.36            | 6,440.00            | 6,338.47            | 140.69          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,535.01             | 4,432.57              | 102.44                  | 44.268            |                    |         |
| 11,800.00                    | 7,070.37            | 6,440.00            | 6,338.47            | 143.46          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,622.65             | 4,520.09              | 102.57                  | 45.069            |                    |         |
| 11,900.00                    | 7,070.38            | 6,440.00            | 6,338.47            | 146.23          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,710.79             | 4,608.11              | 102.68                  | 45.877            |                    |         |
| 12,000.00                    | 7,070.39            | 6,440.00            | 6,338.47            | 149.01          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,799.39             | 4,696.60              | 102.79                  | 46.692            |                    |         |
| 12,100.00                    | 7,070.40            | 6,440.00            | 6,338.47            | 151.79          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,888.43             | 4,785.55              | 102.89                  | 47.513            |                    |         |
| 12,200.00                    | 7,070.41            | 6,440.00            | 6,338.47            | 154.57          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 4,977.89             | 4,874.91              | 102.98                  | 48.339            |                    |         |
| 12,300.00                    | 7,070.42            | 6,440.00            | 6,338.47            | 157.35          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 5,067.74             | 4,964.68              | 103.06                  | 49.172            |                    |         |
| 12,400.00                    | 7,070.43            | 6,440.00            | 6,338.47            | 160.14          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 5,157.97             | 5,054.83              | 103.14                  | 50.009            |                    |         |
| 12,500.00                    | 7,070.44            | 6,440.00            | 6,338.47            | 162.93          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 5,248.55             | 5,145.33              | 103.21                  | 50.852            |                    |         |
| 12,600.00                    | 7,070.44            | 6,440.00            | 6,338.47            | 165.72          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 5,339.46             | 5,236.18              | 103.28                  | 51.699            |                    |         |
| 12,700.00                    | 7,070.45            | 6,440.00            | 6,338.47            | 168.52          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 5,430.70             | 5,327.35              | 103.34                  | 52.550            |                    |         |
| 12,800.00                    | 7,070.46            | 6,440.00            | 6,338.47            | 171.32          | 30.83       | -70.92                | -1,654.15                         | 413.20     | 5,522.23             | 5,418.83              | 103.40                  | 53.405            |                    |         |
| 12,900.00                    | 7,070.47            | 6,403.18            | 6,302.38            | 174.11          | 30.65       | -69.98                | -1,647.63                         | 410.00     | 5,613.47             | 5,510.30              | 103.17                  | 54.410            |                    |         |
| 13,000.00                    | 7,070.48            | 6,401.72            | 6,300.94            | 176.92          | 30.64       | -69.95                | -1,647.38                         | 409.90     | 5,705.52             | 5,602.31              | 103.21                  | 55.280            |                    |         |
| 13,100.00                    | 7,070.49            | 6,400.30            | 6,299.55            | 179.72          | 30.64       | -69.91                | -1,647.13                         | 409.80     | 5,797.84             | 5,694.59              | 103.25                  | 56.154            |                    |         |
| 13,200.00                    | 7,070.50            | 6,398.92            | 6,298.19            | 182.52          | 30.63       | -69.88                | -1,646.89                         | 409.70     | 5,890.40             | 5,787.12              | 103.29                  | 57.030            |                    |         |
| 13,300.00                    | 7,070.51            | 6,397.57            | 6,296.87            | 185.33          | 30.62       | -69.84                | -1,646.65                         | 409.60     | 5,983.20             | 5,879.88              | 103.32                  | 57.909            |                    |         |
| 13,400.00                    | 7,070.52            | 6,396.27            | 6,295.59            | 188.14          | 30.62       | -69.81                | -1,646.42                         | 409.51     | 6,076.23             | 5,972.88              | 103.35                  | 58.791            |                    |         |
| 13,500.00                    | 7,070.52            | 6,395.00            | 6,294.34            | 190.95          | 30.61       | -69.78                | -1,646.20                         | 409.43     | 6,169.48             | 6,066.10              | 103.38                  | 59.676            |                    |         |
| 13,600.00                    | 7,070.53            | 6,393.76            | 6,293.13            | 193.76          | 30.61       | -69.74                | -1,645.98                         | 409.34     | 6,262.93             | 6,159.52              | 103.41                  | 60.563            |                    |         |
| 13,700.00                    | 7,070.54            | 6,392.56            | 6,291.94            | 196.57          | 30.60       | -69.71                | -1,645.77                         | 409.26     | 6,356.59             | 6,253.15              | 103.44                  | 61.452            |                    |         |
| 13,800.00                    | 7,070.55            | 6,391.38            | 6,290.79            | 199.38          | 30.60       | -69.68                | -1,645.57                         | 409.19     | 6,450.43             | 6,346.96              | 103.47                  | 62.343            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 141-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,390.24            | 6,289.67            | 202.20          | 30.59       | -69.65                | -1,645.37                         | 409.11     | 6,544.45             | 6,440.96              | 103.49                  | 63.236            |                    |         |
| 14,000.00                    | 7,070.57            | 6,389.12            | 6,288.57            | 205.01          | 30.58       | -69.63                | -1,645.17                         | 409.04     | 6,638.64             | 6,535.13              | 103.52                  | 64.131            |                    |         |
| 14,100.00                    | 7,070.58            | 6,388.04            | 6,287.50            | 207.83          | 30.58       | -69.60                | -1,644.98                         | 408.98     | 6,733.01             | 6,629.47              | 103.54                  | 65.028            |                    |         |
| 14,200.00                    | 7,070.59            | 6,386.98            | 6,286.46            | 210.65          | 30.57       | -69.57                | -1,644.80                         | 408.91     | 6,827.53             | 6,723.97              | 103.56                  | 65.927            |                    |         |
| 14,300.00                    | 7,070.60            | 6,385.94            | 6,285.44            | 213.47          | 30.57       | -69.55                | -1,644.62                         | 408.85     | 6,922.20             | 6,818.62              | 103.58                  | 66.826            |                    |         |
| 14,400.00                    | 7,070.60            | 6,384.93            | 6,284.45            | 216.29          | 30.56       | -69.52                | -1,644.44                         | 408.78     | 7,017.03             | 6,913.42              | 103.61                  | 67.727            |                    |         |
| 14,500.00                    | 7,070.61            | 6,383.95            | 6,283.48            | 219.11          | 30.56       | -69.49                | -1,644.27                         | 408.73     | 7,111.99             | 7,008.36              | 103.63                  | 68.630            |                    |         |
| 14,600.00                    | 7,070.62            | 6,345.00            | 6,245.16            | 221.94          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 7,207.70             | 7,104.34              | 103.36                  | 69.734            |                    |         |
| 14,700.00                    | 7,070.63            | 6,345.00            | 6,245.16            | 224.76          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 7,302.90             | 7,199.51              | 103.39                  | 70.635            |                    |         |
| 14,800.00                    | 7,070.64            | 6,345.00            | 6,245.16            | 227.58          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 7,398.22             | 7,294.81              | 103.42                  | 71.538            |                    |         |
| 14,900.00                    | 7,070.65            | 6,345.00            | 6,245.16            | 230.41          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 7,493.67             | 7,390.23              | 103.45                  | 72.441            |                    |         |
| 15,000.00                    | 7,070.66            | 6,345.00            | 6,245.16            | 233.24          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 7,589.23             | 7,485.76              | 103.47                  | 73.345            |                    |         |
| 15,100.00                    | 7,070.67            | 6,345.00            | 6,245.16            | 236.06          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 7,684.91             | 7,581.41              | 103.50                  | 74.250            |                    |         |
| 15,200.00                    | 7,070.68            | 6,345.00            | 6,245.16            | 238.89          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 7,780.69             | 7,677.17              | 103.53                  | 75.156            |                    |         |
| 15,300.00                    | 7,070.68            | 6,345.00            | 6,245.16            | 241.72          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 7,876.58             | 7,773.03              | 103.56                  | 76.062            |                    |         |
| 15,400.00                    | 7,070.69            | 6,345.00            | 6,245.16            | 244.55          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 7,972.57             | 7,868.99              | 103.58                  | 76.968            |                    |         |
| 15,500.00                    | 7,070.70            | 6,345.00            | 6,245.16            | 247.38          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,068.66             | 7,965.05              | 103.61                  | 77.876            |                    |         |
| 15,600.00                    | 7,070.71            | 6,345.00            | 6,245.16            | 250.21          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,164.84             | 8,061.21              | 103.64                  | 78.783            |                    |         |
| 15,700.00                    | 7,070.72            | 6,345.00            | 6,245.16            | 253.04          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,261.12             | 8,157.45              | 103.66                  | 79.691            |                    |         |
| 15,800.00                    | 7,070.73            | 6,345.00            | 6,245.16            | 255.87          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,357.48             | 8,253.78              | 103.69                  | 80.599            |                    |         |
| 15,900.00                    | 7,070.74            | 6,345.00            | 6,245.16            | 258.71          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,453.92             | 8,350.20              | 103.72                  | 81.507            |                    |         |
| 16,000.00                    | 7,070.75            | 6,345.00            | 6,245.16            | 261.54          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,550.45             | 8,446.70              | 103.75                  | 82.416            |                    |         |
| 16,100.00                    | 7,070.76            | 6,345.00            | 6,245.16            | 264.37          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,647.05             | 8,543.28              | 103.78                  | 83.324            |                    |         |
| 16,200.00                    | 7,070.76            | 6,345.00            | 6,245.16            | 267.21          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,743.73             | 8,639.93              | 103.80                  | 84.233            |                    |         |
| 16,300.00                    | 7,070.77            | 6,345.00            | 6,245.16            | 270.04          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,840.49             | 8,736.66              | 103.83                  | 85.142            |                    |         |
| 16,400.00                    | 7,070.78            | 6,345.00            | 6,245.16            | 272.88          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 8,937.32             | 8,833.45              | 103.86                  | 86.050            |                    |         |
| 16,500.00                    | 7,070.79            | 6,345.00            | 6,245.16            | 275.71          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,034.21             | 8,930.32              | 103.89                  | 86.959            |                    |         |
| 16,600.00                    | 7,070.80            | 6,345.00            | 6,245.16            | 278.55          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,131.18             | 9,027.25              | 103.92                  | 87.867            |                    |         |
| 16,700.00                    | 7,070.81            | 6,345.00            | 6,245.16            | 281.39          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,228.20             | 9,124.25              | 103.95                  | 88.775            |                    |         |
| 16,800.00                    | 7,070.82            | 6,345.00            | 6,245.16            | 284.22          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,325.29             | 9,221.31              | 103.98                  | 89.683            |                    |         |
| 16,900.00                    | 7,070.83            | 6,345.00            | 6,245.16            | 287.06          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,422.44             | 9,318.43              | 104.01                  | 90.590            |                    |         |
| 17,000.00                    | 7,070.84            | 6,345.00            | 6,245.16            | 289.90          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,519.66             | 9,415.61              | 104.04                  | 91.498            |                    |         |
| 17,100.00                    | 7,070.84            | 6,345.00            | 6,245.16            | 292.74          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,616.92             | 9,512.85              | 104.07                  | 92.405            |                    |         |
| 17,200.00                    | 7,070.85            | 6,345.00            | 6,245.16            | 295.58          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,714.25             | 9,610.14              | 104.11                  | 93.311            |                    |         |
| 17,300.00                    | 7,070.86            | 6,345.00            | 6,245.16            | 298.42          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,811.62             | 9,707.48              | 104.14                  | 94.217            |                    |         |
| 17,400.00                    | 7,070.87            | 6,345.00            | 6,245.16            | 301.26          | 30.37       | -68.51                | -1,637.56                         | 406.95     | 9,909.05             | 9,804.88              | 104.17                  | 95.123            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 250-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 146.30                | -757.75                           | 505.32     | 910.85               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 95.63               | 95.62               | 3.28            | 3.29        | 146.30                | -757.46                           | 505.13     | 910.46               | 903.89                | 6.57                    | 138.544           |                    |         |
| 200.00                       | 200.00              | 203.06              | 203.05              | 3.34            | 3.31        | 146.30                | -756.43                           | 504.46     | 909.32               | 902.68                | 6.65                    | 136.776           |                    |         |
| 300.00                       | 300.00              | 314.32              | 314.29              | 3.44            | 3.38        | 146.27                | -754.25                           | 503.55     | 907.25               | 900.42                | 6.83                    | 132.768           |                    |         |
| 400.00                       | 399.98              | 433.70              | 433.54              | 3.60            | 3.55        | 73.80                 | -748.86                           | 503.45     | 902.97               | 895.81                | 7.17                    | 126.016           |                    |         |
| 500.00                       | 499.84              | 535.32              | 534.99              | 3.80            | 3.75        | 74.08                 | -743.15                           | 502.77     | 896.46               | 888.91                | 7.56                    | 118.615           |                    |         |
| 600.00                       | 599.45              | 612.34              | 611.95              | 4.04            | 3.92        | 74.60                 | -740.50                           | 501.47     | 890.28               | 882.32                | 7.96                    | 111.879           |                    |         |
| 700.00                       | 698.70              | 692.81              | 692.39              | 4.32            | 4.12        | 75.41                 | -740.37                           | 499.34     | 885.52               | 877.09                | 8.43                    | 105.084           |                    |         |
| 800.00                       | 797.47              | 771.39              | 770.83              | 4.63            | 4.32        | 76.54                 | -743.13                           | 495.72     | 882.28               | 873.34                | 8.94                    | 98.648            |                    |         |
| 900.00                       | 895.62              | 854.45              | 853.44              | 4.97            | 4.56        | 78.09                 | -749.33                           | 489.76     | 880.90               | 871.38                | 9.52                    | 92.503            |                    |         |
| 924.00                       | 919.08              | 875.82              | 874.64              | 5.06            | 4.63        | 78.55                 | -751.26                           | 487.88     | 880.75               | 871.07                | 9.67                    | 91.051            |                    |         |
| 950.54                       | 944.99              | 899.27              | 897.88              | 5.16            | 4.70        | 79.06                 | -753.51                           | 485.67     | 880.68               | 870.84                | 9.84                    | 89.480 CC         |                    |         |
| 1,000.00                     | 993.28              | 940.98              | 939.13              | 5.34            | 4.83        | 80.01                 | -757.88                           | 481.31     | 880.96               | 870.80                | 10.16                   | 86.700 ES         |                    |         |
| 1,100.00                     | 1,090.92            | 1,023.84            | 1,020.71            | 5.73            | 5.11        | 82.01                 | -768.15                           | 471.07     | 883.45               | 872.62                | 10.83                   | 81.574            |                    |         |
| 1,200.00                     | 1,188.56            | 1,107.75            | 1,103.01            | 6.15            | 5.41        | 84.12                 | -779.90                           | 459.75     | 888.50               | 876.97                | 11.54                   | 77.018            |                    |         |
| 1,300.00                     | 1,286.19            | 1,191.62            | 1,185.08            | 6.57            | 5.72        | 86.24                 | -792.61                           | 448.04     | 896.09               | 883.83                | 12.27                   | 73.054            |                    |         |
| 1,400.00                     | 1,383.83            | 1,277.14            | 1,268.57            | 7.01            | 6.06        | 88.41                 | -806.40                           | 435.67     | 906.10               | 893.08                | 13.02                   | 69.576            |                    |         |
| 1,500.00                     | 1,481.47            | 1,374.15            | 1,363.10            | 7.46            | 6.47        | 90.88                 | -822.33                           | 420.81     | 917.90               | 904.05                | 13.85                   | 66.273            |                    |         |
| 1,600.00                     | 1,579.10            | 1,472.57            | 1,459.02            | 7.91            | 6.89        | 93.35                 | -837.84                           | 405.11     | 930.71               | 916.01                | 14.70                   | 63.304            |                    |         |
| 1,700.00                     | 1,676.74            | 1,583.21            | 1,567.16            | 8.37            | 7.38        | 96.00                 | -853.61                           | 387.94     | 943.89               | 928.26                | 15.63                   | 60.396            |                    |         |
| 1,800.00                     | 1,774.38            | 1,684.96            | 1,667.19            | 8.84            | 7.82        | 98.24                 | -866.18                           | 374.20     | 957.09               | 940.58                | 16.51                   | 57.954            |                    |         |
| 1,900.00                     | 1,872.02            | 1,780.71            | 1,761.77            | 9.31            | 8.23        | 100.14                | -877.13                           | 364.02     | 971.01               | 953.64                | 17.37                   | 55.916            |                    |         |
| 2,000.00                     | 1,969.65            | 1,878.61            | 1,858.86            | 9.79            | 8.65        | 101.80                | -887.68                           | 357.46     | 985.61               | 967.38                | 18.23                   | 54.064            |                    |         |
| 2,100.00                     | 2,067.29            | 2,002.51            | 1,981.99            | 10.27           | 9.17        | 103.75                | -899.78                           | 350.65     | 1,000.28             | 981.05                | 19.23                   | 52.026            |                    |         |
| 2,200.00                     | 2,164.93            | 2,114.24            | 2,093.22            | 10.75           | 9.65        | 105.54                | -906.88                           | 342.95     | 1,012.09             | 991.92                | 20.17                   | 50.187            |                    |         |
| 2,300.00                     | 2,262.56            | 2,209.84            | 2,188.46            | 11.24           | 10.05       | 106.98                | -912.70                           | 337.25     | 1,024.47             | 1,003.44              | 21.03                   | 48.717            |                    |         |
| 2,400.00                     | 2,360.20            | 2,303.54            | 2,281.88            | 11.73           | 10.45       | 108.31                | -918.50                           | 332.60     | 1,037.58             | 1,015.70              | 21.88                   | 47.415            |                    |         |
| 2,500.00                     | 2,457.84            | 2,445.61            | 2,423.70            | 12.22           | 11.04       | 110.20                | -923.97                           | 326.91     | 1,048.85             | 1,025.88              | 22.97                   | 45.667            |                    |         |
| 2,600.00                     | 2,555.48            | 2,540.90            | 2,518.93            | 12.71           | 11.44       | 111.39                | -926.04                           | 324.21     | 1,059.09             | 1,035.26              | 23.83                   | 44.439            |                    |         |
| 2,700.00                     | 2,653.11            | 2,641.85            | 2,619.82            | 13.20           | 11.85       | 112.62                | -928.13                           | 321.48     | 1,069.70             | 1,044.98              | 24.72                   | 43.265            |                    |         |
| 2,800.00                     | 2,750.75            | 2,742.14            | 2,720.07            | 13.70           | 12.27       | 113.83                | -929.68                           | 318.67     | 1,080.29             | 1,054.67              | 25.62                   | 42.173            |                    |         |
| 2,900.00                     | 2,848.39            | 2,853.62            | 2,831.48            | 14.19           | 12.73       | 115.14                | -930.96                           | 315.58     | 1,090.98             | 1,064.42              | 26.56                   | 41.083            |                    |         |
| 3,000.00                     | 2,946.02            | 2,957.69            | 2,935.56            | 14.69           | 13.16       | 116.27                | -930.75                           | 314.36     | 1,100.51             | 1,073.05              | 27.46                   | 40.076            |                    |         |
| 3,100.00                     | 3,043.66            | 3,050.79            | 3,028.65            | 15.19           | 13.54       | 117.26                | -930.67                           | 313.19     | 1,110.56             | 1,082.24              | 28.32                   | 39.214            |                    |         |
| 3,200.00                     | 3,141.30            | 3,147.96            | 3,125.80            | 15.69           | 13.94       | 118.30                | -930.82                           | 311.71     | 1,121.26             | 1,092.06              | 29.20                   | 38.399            |                    |         |
| 3,300.00                     | 3,238.94            | 3,244.42            | 3,222.25            | 16.19           | 14.34       | 119.30                | -930.95                           | 310.31     | 1,132.30             | 1,102.22              | 30.08                   | 37.646            |                    |         |
| 3,400.00                     | 3,336.57            | 3,343.72            | 3,321.54            | 16.69           | 14.76       | 120.31                | -931.06                           | 308.77     | 1,143.70             | 1,112.73              | 30.97                   | 36.930            |                    |         |
| 3,500.00                     | 3,434.21            | 3,449.53            | 3,427.34            | 17.19           | 15.19       | 121.37                | -930.72                           | 307.34     | 1,154.99             | 1,123.10              | 31.89                   | 36.220            |                    |         |
| 3,600.00                     | 3,531.85            | 3,552.37            | 3,530.17            | 17.69           | 15.62       | 122.38                | -929.76                           | 306.04     | 1,166.02             | 1,133.23              | 32.79                   | 35.561            |                    |         |
| 3,700.00                     | 3,629.48            | 3,648.44            | 3,626.23            | 18.20           | 16.01       | 123.30                | -928.75                           | 304.99     | 1,177.22             | 1,143.56              | 33.66                   | 34.975            |                    |         |
| 3,800.00                     | 3,727.12            | 3,742.85            | 3,720.62            | 18.70           | 16.40       | 124.19                | -927.90                           | 303.84     | 1,188.90             | 1,154.38              | 34.52                   | 34.439            |                    |         |
| 3,900.00                     | 3,824.76            | 3,840.77            | 3,818.54            | 19.21           | 16.80       | 125.07                | -927.44                           | 303.31     | 1,201.10             | 1,165.70              | 35.40                   | 33.929            |                    |         |
| 4,000.00                     | 3,922.40            | 3,949.14            | 3,926.89            | 19.71           | 17.22       | 125.89                | -926.95                           | 305.35     | 1,212.79             | 1,176.48              | 36.31                   | 33.399            |                    |         |
| 4,100.00                     | 4,020.03            | 4,042.87            | 4,020.60            | 20.21           | 17.58       | 126.58                | -926.59                           | 307.40     | 1,224.67             | 1,187.52              | 37.15                   | 32.963            |                    |         |
| 4,200.00                     | 4,117.67            | 4,136.37            | 4,114.08            | 20.72           | 17.94       | 127.27                | -926.35                           | 309.04     | 1,237.01             | 1,199.02              | 37.99                   | 32.559            |                    |         |
| 4,300.00                     | 4,215.31            | 4,226.60            | 4,204.29            | 21.23           | 18.30       | 127.93                | -926.63                           | 310.41     | 1,250.14             | 1,211.32              | 38.82                   | 32.204            |                    |         |
| 4,400.00                     | 4,312.94            | 4,320.03            | 4,297.72            | 21.73           | 18.67       | 128.61                | -927.13                           | 311.33     | 1,263.86             | 1,224.20              | 39.66                   | 31.865            |                    |         |
| 4,500.00                     | 4,410.58            | 4,410.75            | 4,388.44            | 22.24           | 19.03       | 129.27                | -927.98                           | 311.94     | 1,278.25             | 1,237.76              | 40.50                   | 31.566            |                    |         |
| 4,600.00                     | 4,508.22            | 4,503.13            | 4,480.81            | 22.75           | 19.41       | 129.92                | -929.28                           | 312.40     | 1,293.32             | 1,251.98              | 41.34                   | 31.286            |                    |         |
| 4,700.00                     | 4,605.86            | 4,600.33            | 4,577.99            | 23.25           | 19.81       | 130.59                | -930.80                           | 312.72     | 1,308.78             | 1,266.57              | 42.21                   | 31.004            |                    |         |
| 4,800.00                     | 4,703.49            | 4,695.89            | 4,673.54            | 23.76           | 20.21       | 131.24                | -932.22                           | 313.01     | 1,324.37             | 1,281.30              | 43.08                   | 30.744            |                    |         |
| 4,900.00                     | 4,801.13            | 4,779.62            | 4,757.24            | 24.27           | 20.56       | 131.78                | -934.25                           | 313.45     | 1,340.87             | 1,297.00              | 43.87                   | 30.564            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                |                |                |                 |        |                   |                        |                 |                  |                    |                   |           | Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH |         | Offset Site Error: 0.00 ft |  |
|------------------------------|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|-----------------|------------------|--------------------|-------------------|-----------|--|---------|----------------------------|--|
| Survey Program: 250-MWD+IFR1 |                |                |                |                 |        |                   |                        |                 |                  |                    |                   |           | Offset Well Error: 3.28 ft                     |         |                            |  |
| Reference                    |                | Offset         |                | Semi Major Axis |        |                   | Distance               |                 |                  |                    |                   |           |  | Warning |                            |  |
| Measured Depth               | Vertical Depth | Measured Depth | Vertical Depth | Reference       | Offset | Highside Toolface | Offset Wellbore Centre | Between Centres | Between Ellipses | Minimum Separation | Separation Factor |           |  |         |                            |  |
| (ft)                         | (ft)           | (ft)           | (ft)           | (ft)            | (ft)   | (°)               | +N/-S (ft)             | +E/-W (ft)      | (ft)             | (ft)               | (ft)              |           |  |         |                            |  |
| 5,000.00                     | 4,898.77       | 4,871.90       | 4,849.49       | 24.77           | 20.95  | 132.38            | -936.88                | 313.27          | 1,358.20         | 1,313.48           | 44.72             | 30.372    |  |         |                            |  |
| 5,100.00                     | 4,996.40       | 4,972.06       | 4,949.61       | 25.28           | 21.38  | 133.06            | -939.29                | 311.99          | 1,375.77         | 1,330.15           | 45.62             | 30.158    |  |         |                            |  |
| 5,200.00                     | 5,094.04       | 5,074.76       | 5,052.28       | 25.79           | 21.82  | 133.76            | -941.17                | 310.29          | 1,393.18         | 1,346.64           | 46.54             | 29.937    |  |         |                            |  |
| 5,300.00                     | 5,191.68       | 5,192.85       | 5,170.34       | 26.30           | 22.33  | 134.55            | -942.80                | 308.59          | 1,410.37         | 1,362.83           | 47.55             | 29.663    |  |         |                            |  |
| 5,400.00                     | 5,289.32       | 5,323.70       | 5,301.17       | 26.81           | 22.87  | 135.45            | -941.02                | 307.39          | 1,424.97         | 1,376.37           | 48.61             | 29.317    |  |         |                            |  |
| 5,500.00                     | 5,386.95       | 5,424.63       | 5,402.06       | 27.32           | 23.29  | 136.16            | -938.26                | 306.05          | 1,438.89         | 1,389.40           | 49.49             | 29.073    |  |         |                            |  |
| 5,600.00                     | 5,484.59       | 5,508.80       | 5,486.18       | 27.83           | 23.64  | 136.76            | -935.99                | 304.40          | 1,453.36         | 1,403.07           | 50.29             | 28.898    |  |         |                            |  |
| 5,700.00                     | 5,582.23       | 5,586.11       | 5,563.45       | 28.33           | 23.96  | 137.31            | -934.66                | 302.44          | 1,469.15         | 1,418.10           | 51.05             | 28.778    |  |         |                            |  |
| 5,800.00                     | 5,679.87       | 5,667.61       | 5,644.94       | 28.84           | 24.31  | 137.82            | -934.85                | 300.89          | 1,486.42         | 1,434.59           | 51.83             | 28.679    |  |         |                            |  |
| 5,900.00                     | 5,777.50       | 5,759.82       | 5,737.12       | 29.35           | 24.71  | 138.35            | -936.22                | 299.77          | 1,504.56         | 1,451.88           | 52.68             | 28.562    |  |         |                            |  |
| 6,000.00                     | 5,875.14       | 5,890.61       | 5,867.91       | 29.86           | 25.27  | 139.09            | -937.34                | 298.57          | 1,522.29         | 1,468.52           | 53.77             | 28.312    |  |         |                            |  |
| 6,100.00                     | 5,972.78       | 5,988.50       | 5,965.77       | 30.37           | 25.68  | 139.67            | -936.09                | 297.36          | 1,538.45         | 1,483.80           | 54.65             | 28.153    |  |         |                            |  |
| 6,200.00                     | 6,070.41       | 6,081.91       | 6,059.18       | 30.88           | 26.07  | 140.20            | -935.44                | 296.56          | 1,555.03         | 1,499.53           | 55.50             | 28.019    |  |         |                            |  |
| 6,300.00                     | 6,168.05       | 6,179.84       | 6,157.11       | 31.39           | 26.49  | 140.73            | -935.05                | 295.93          | 1,571.88         | 1,515.50           | 56.38             | 27.880    |  |         |                            |  |
| 6,400.00                     | 6,265.69       | 7,756.48       | 7,146.41       | 31.90           | 37.61  | 115.55            | -931.60                | 1,174.88        | 1,582.98         | 1,524.44           | 58.54             | 27.041    |  |         |                            |  |
| 6,439.09                     | 6,303.85       | 7,763.39       | 7,146.50       | 32.10           | 37.72  | 115.27            | -931.63                | 1,181.79        | 1,564.02         | 1,504.47           | 59.56             | 26.260    |  |         |                            |  |
| 6,450.00                     | 6,314.53       | 7,765.28       | 7,146.54       | 32.16           | 37.75  | 116.15            | -931.64                | 1,183.67        | 1,558.85         | 1,499.01           | 59.84             | 26.049    |  |         |                            |  |
| 6,500.00                     | 6,363.83       | 7,772.16       | 7,146.66       | 32.39           | 37.87  | 124.93            | -931.67                | 1,190.55        | 1,535.65         | 1,474.54           | 61.11             | 25.130    |  |         |                            |  |
| 6,550.00                     | 6,413.58       | 7,776.01       | 7,146.74       | 32.60           | 37.93  | 155.12            | -931.68                | 1,194.40        | 1,513.46         | 1,451.16           | 62.30             | 24.292    |  |         |                            |  |
| 6,600.00                     | 6,463.45       | 7,776.64       | 7,146.75       | 32.79           | 37.94  | -146.15           | -931.69                | 1,195.03        | 1,492.50         | 1,429.08           | 63.42             | 23.534    |  |         |                            |  |
| 6,650.00                     | 6,513.15       | 7,773.88       | 7,146.69       | 32.97           | 37.89  | -120.44           | -931.68                | 1,192.27        | 1,472.96         | 1,408.51           | 64.45             | 22.855    |  |         |                            |  |
| 6,700.00                     | 6,562.37       | 7,767.55       | 7,146.57       | 33.15           | 37.79  | -111.90           | -931.65                | 1,185.94        | 1,454.98         | 1,389.60           | 65.38             | 22.253    |  |         |                            |  |
| 6,750.00                     | 6,610.80       | 7,757.50       | 7,146.42       | 33.34           | 37.63  | -108.22           | -931.60                | 1,175.90        | 1,438.70         | 1,372.49           | 66.22             | 21.727    |  |         |                            |  |
| 6,800.00                     | 6,658.14       | 7,743.60       | 7,146.27       | 33.53           | 37.40  | -106.24           | -931.53                | 1,162.00        | 1,424.19         | 1,357.25           | 66.94             | 21.276    |  |         |                            |  |
| 6,850.00                     | 6,704.11       | 7,725.74       | 7,146.20       | 33.74           | 37.11  | -104.94           | -931.40                | 1,144.13        | 1,411.47         | 1,343.93           | 67.54             | 20.898    |  |         |                            |  |
| 6,900.00                     | 6,748.42       | 7,704.11       | 7,146.29       | 33.97           | 36.75  | -103.91           | -931.21                | 1,122.51        | 1,400.52         | 1,332.51           | 68.02             | 20.591    |  |         |                            |  |
| 6,950.00                     | 6,790.79       | 7,676.53       | 7,146.47       | 34.21           | 36.34  | -102.88           | -930.95                | 1,094.93        | 1,391.26         | 1,322.88           | 68.38             | 20.346    |  |         |                            |  |
| 7,000.00                     | 6,830.97       | 7,646.42       | 7,146.38       | 34.48           | 35.90  | -101.89           | -930.73                | 1,064.82        | 1,383.57         | 1,314.91           | 68.66             | 20.152    |  |         |                            |  |
| 7,050.00                     | 6,868.71       | 7,620.12       | 7,146.01       | 34.77           | 35.49  | -101.08           | -930.56                | 1,038.52        | 1,377.32         | 1,308.40           | 68.93             | 19.983    |  |         |                            |  |
| 7,100.00                     | 6,903.77       | 7,560.90       | 7,144.06       | 35.09           | 34.69  | -99.33            | -930.21                | 979.34          | 1,372.27         | 1,303.50           | 68.77             | 19.953    |  |         |                            |  |
| 7,150.00                     | 6,935.93       | 7,505.90       | 7,139.85       | 35.44           | 33.97  | -97.79            | -929.40                | 924.51          | 1,367.82         | 1,299.16           | 68.66             | 19.922    |  |         |                            |  |
| 7,200.00                     | 6,965.01       | 7,470.92       | 7,136.10       | 35.83           | 33.56  | -96.87            | -928.87                | 889.74          | 1,364.24         | 1,295.39           | 68.85             | 19.816    |  |         |                            |  |
| 7,250.00                     | 6,990.82       | 7,434.87       | 7,131.49       | 36.26           | 33.13  | -95.95            | -928.49                | 853.99          | 1,361.64         | 1,292.64           | 69.01             | 19.732    |  |         |                            |  |
| 7,300.00                     | 7,013.20       | 7,376.66       | 7,121.42       | 36.72           | 32.52  | -94.51            | -928.02                | 796.68          | 1,359.76         | 1,290.80           | 68.97             | 19.716    |  |         |                            |  |
| 7,350.00                     | 7,032.02       | 7,314.35       | 7,103.82       | 37.23           | 31.90  | -92.92            | -926.91                | 736.96          | 1,357.69         | 1,288.77           | 68.93             | 19.697    |  |         |                            |  |
| 7,400.00                     | 7,047.15       | 7,284.00       | 7,092.89       | 37.77           | 31.65  | -92.15            | -926.45                | 708.65          | 1,356.20         | 1,286.92           | 69.28             | 19.576    |  |         |                            |  |
| 7,450.00                     | 7,058.51       | 7,254.06       | 7,080.78       | 38.34           | 31.40  | -91.38            | -926.28                | 681.27          | 1,355.54         | 1,285.89           | 69.65             | 19.463    |  |         |                            |  |
| 7,466.35                     | 7,061.39       | 7,244.35       | 7,076.57       | 38.54           | 31.32  | -91.12            | -926.28                | 672.52          | 1,355.50         | 1,285.73           | 69.77             | 19.428    |  |         |                            |  |
| 7,500.00                     | 7,066.02       | 7,227.00       | 7,068.72       | 38.95           | 31.17  | -90.66            | -926.36                | 657.05          | 1,355.67         | 1,285.62           | 70.05             | 19.353    |  |         |                            |  |
| 7,550.00                     | 7,069.64       | 7,196.24       | 7,053.73       | 39.58           | 30.97  | -89.84            | -926.74                | 630.20          | 1,356.54         | 1,286.07           | 70.47             | 19.249    |  |         |                            |  |
| 7,571.20                     | 7,070.00       | 7,184.33       | 7,047.55       | 39.85           | 30.89  | -89.52            | -926.98                | 620.02          | 1,357.12         | 1,286.46           | 70.66             | 19.205    |  |         |                            |  |
| 7,600.00                     | 7,070.00       | 7,168.47       | 7,039.00       | 40.23           | 30.78  | -89.16            | -927.36                | 606.66          | 1,358.16         | 1,287.23           | 70.93             | 19.148    |  |         |                            |  |
| 7,700.00                     | 7,070.01       | 7,098.13       | 6,997.10       | 41.64           | 30.35  | -87.39            | -929.72                | 550.25          | 1,364.27         | 1,292.46           | 71.82             | 18.997    |  |         |                            |  |
| 7,800.00                     | 7,070.02       | 7,009.47       | 6,937.21       | 43.20           | 29.90  | -84.88            | -931.04                | 484.97          | 1,372.57         | 1,299.93           | 72.64             | 18.897    |  |         |                            |  |
| 7,900.00                     | 7,070.03       | 6,951.57       | 6,893.86       | 44.89           | 29.64  | -83.08            | -931.09                | 446.60          | 1,384.53         | 1,310.80           | 73.73             | 18.779    |  |         |                            |  |
| 8,000.00                     | 7,070.04       | 6,915.08       | 6,864.84       | 46.69           | 29.49  | -81.88            | -931.00                | 424.50          | 1,401.36         | 1,326.37           | 74.99             | 18.688    |  |         |                            |  |
| 8,100.00                     | 7,070.05       | 6,886.70       | 6,841.30       | 48.60           | 29.37  | -80.91            | -931.11                | 408.65          | 1,423.75         | 1,347.48           | 76.27             | 18.667 SF |  |         |                            |  |
| 8,200.00                     | 7,070.05       | 6,846.00       | 6,806.19       | 50.59           | 29.21  | -79.48            | -931.55                | 388.09          | 1,451.92         | 1,374.58           | 77.35             | 18.772    |  |         |                            |  |
| 8,300.00                     | 7,070.06       | 6,846.00       | 6,806.19       | 52.66           | 29.21  | -79.48            | -931.55                | 388.09          | 1,485.17         | 1,406.47           | 78.70             | 18.872    |  |         |                            |  |
| 8,400.00                     | 7,070.07       | 6,811.64       | 6,775.74       | 54.81           | 29.08  | -78.25            | -932.18                | 372.18          | 1,523.59         | 1,443.96           | 79.63             | 19.134    |  |         |                            |  |
| 8,500.00                     | 7,070.08       | 6,786.16       | 6,752.93       | 57.02           | 28.98  | -77.34            | -932.78                | 360.86          | 1,566.73         | 1,486.20           | 80.52             | 19.457    |  |         |                            |  |
| 8,600.00                     | 7,070.09       | 6,753.00       | 6,722.95       | 59.28           | 28.85  | -76.15            | -933.74                | 346.72          | 1,614.29         | 1,533.06           | 81.24             | 19.871    |  |         |                            |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 250-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,753.00            | 6,722.95            | 61.60           | 28.85       | -76.15                | -933.74                           | 346.72     | 1,665.92             | 1,583.81              | 82.11                   | 20.289            |                    |         |
| 8,800.00                     | 7,070.11            | 6,726.29            | 6,698.39            | 63.95           | 28.75       | -75.19                | -934.44                           | 336.24     | 1,721.31             | 1,638.64              | 82.66                   | 20.823            |                    |         |
| 8,900.00                     | 7,070.12            | 6,712.40            | 6,685.41            | 66.35           | 28.70       | -74.68                | -934.68                           | 331.31     | 1,780.35             | 1,697.14              | 83.21                   | 21.396            |                    |         |
| 9,000.00                     | 7,070.13            | 6,700.31            | 6,674.01            | 68.79           | 28.65       | -74.24                | -934.83                           | 327.30     | 1,842.69             | 1,759.02              | 83.68                   | 22.022            |                    |         |
| 9,100.00                     | 7,070.13            | 6,689.70            | 6,663.92            | 71.25           | 28.61       | -73.85                | -934.91                           | 324.00     | 1,908.05             | 1,823.98              | 84.07                   | 22.696            |                    |         |
| 9,200.00                     | 7,070.14            | 6,659.00            | 6,634.39            | 73.74           | 28.49       | -72.71                | -934.85                           | 315.64     | 1,976.52             | 1,892.29              | 84.24                   | 23.464            |                    |         |
| 9,300.00                     | 7,070.15            | 6,659.00            | 6,634.39            | 76.26           | 28.49       | -72.71                | -934.85                           | 315.64     | 2,046.90             | 1,962.33              | 84.57                   | 24.203            |                    |         |
| 9,400.00                     | 7,070.16            | 6,659.00            | 6,634.39            | 78.80           | 28.49       | -72.71                | -934.85                           | 315.64     | 2,119.66             | 2,034.81              | 84.84                   | 24.983            |                    |         |
| 9,500.00                     | 7,070.17            | 6,659.00            | 6,634.39            | 81.37           | 28.49       | -72.71                | -934.85                           | 315.64     | 2,194.56             | 2,109.50              | 85.06                   | 25.801            |                    |         |
| 9,600.00                     | 7,070.18            | 6,659.00            | 6,634.39            | 83.95           | 28.49       | -72.71                | -934.85                           | 315.64     | 2,271.40             | 2,186.17              | 85.23                   | 26.651            |                    |         |
| 9,700.00                     | 7,070.19            | 6,659.00            | 6,634.39            | 86.55           | 28.49       | -72.71                | -934.85                           | 315.64     | 2,349.98             | 2,264.62              | 85.36                   | 27.531            |                    |         |
| 9,800.00                     | 7,070.20            | 6,659.00            | 6,634.39            | 89.17           | 28.49       | -72.71                | -934.85                           | 315.64     | 2,430.13             | 2,344.68              | 85.45                   | 28.438            |                    |         |
| 9,900.00                     | 7,070.21            | 6,659.00            | 6,634.39            | 91.80           | 28.49       | -72.71                | -934.85                           | 315.64     | 2,511.71             | 2,426.19              | 85.52                   | 29.369            |                    |         |
| 10,000.00                    | 7,070.21            | 6,626.11            | 6,602.32            | 94.44           | 28.36       | -71.49                | -934.55                           | 308.33     | 2,593.78             | 2,508.35              | 85.42                   | 30.365            |                    |         |
| 10,100.00                    | 7,070.22            | 6,621.05            | 6,597.36            | 97.10           | 28.34       | -71.30                | -934.50                           | 307.33     | 2,677.55             | 2,592.11              | 85.43                   | 31.341            |                    |         |
| 10,200.00                    | 7,070.23            | 6,616.30            | 6,592.71            | 99.77           | 28.32       | -71.12                | -934.45                           | 306.43     | 2,762.36             | 2,676.93              | 85.43                   | 32.333            |                    |         |
| 10,300.00                    | 7,070.24            | 6,611.85            | 6,588.33            | 102.44          | 28.30       | -70.96                | -934.41                           | 305.60     | 2,848.13             | 2,762.71              | 85.42                   | 33.341            |                    |         |
| 10,400.00                    | 7,070.25            | 6,607.67            | 6,584.21            | 105.13          | 28.28       | -70.80                | -934.36                           | 304.85     | 2,934.78             | 2,849.37              | 85.41                   | 34.363            |                    |         |
| 10,500.00                    | 7,070.26            | 6,603.72            | 6,580.33            | 107.83          | 28.27       | -70.66                | -934.32                           | 304.16     | 3,022.23             | 2,936.85              | 85.38                   | 35.398            |                    |         |
| 10,600.00                    | 7,070.27            | 6,600.00            | 6,576.66            | 110.53          | 28.25       | -70.52                | -934.27                           | 303.53     | 3,110.41             | 3,025.06              | 85.35                   | 36.444            |                    |         |
| 10,700.00                    | 7,070.28            | 6,564.00            | 6,541.04            | 113.24          | 28.11       | -69.19                | -933.83                           | 298.36     | 3,200.05             | 3,114.87              | 85.18                   | 37.569            |                    |         |
| 10,800.00                    | 7,070.28            | 6,564.00            | 6,541.04            | 115.96          | 28.11       | -69.19                | -933.83                           | 298.36     | 3,289.38             | 3,204.22              | 85.16                   | 38.628            |                    |         |
| 10,900.00                    | 7,070.29            | 6,564.00            | 6,541.04            | 118.69          | 28.11       | -69.19                | -933.83                           | 298.36     | 3,379.30             | 3,294.17              | 85.13                   | 39.695            |                    |         |
| 11,000.00                    | 7,070.30            | 6,564.00            | 6,541.04            | 121.42          | 28.11       | -69.19                | -933.83                           | 298.36     | 3,469.78             | 3,384.68              | 85.10                   | 40.772            |                    |         |
| 11,100.00                    | 7,070.31            | 6,564.00            | 6,541.04            | 124.16          | 28.11       | -69.19                | -933.83                           | 298.36     | 3,560.77             | 3,475.70              | 85.07                   | 41.857            |                    |         |
| 11,200.00                    | 7,070.32            | 6,564.00            | 6,541.04            | 126.90          | 28.11       | -69.19                | -933.83                           | 298.36     | 3,652.23             | 3,567.19              | 85.04                   | 42.949            |                    |         |
| 11,300.00                    | 7,070.33            | 6,564.00            | 6,541.04            | 129.65          | 28.11       | -69.19                | -933.83                           | 298.36     | 3,744.12             | 3,659.12              | 85.00                   | 44.047            |                    |         |
| 11,400.00                    | 7,070.34            | 6,564.00            | 6,541.04            | 132.40          | 28.11       | -69.19                | -933.83                           | 298.36     | 3,836.42             | 3,751.46              | 84.97                   | 45.152            |                    |         |
| 11,500.00                    | 7,070.35            | 6,564.00            | 6,541.04            | 135.16          | 28.11       | -69.19                | -933.83                           | 298.36     | 3,929.10             | 3,844.17              | 84.93                   | 46.263            |                    |         |
| 11,600.00                    | 7,070.36            | 6,564.00            | 6,541.04            | 137.92          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,022.13             | 3,937.24              | 84.89                   | 47.379            |                    |         |
| 11,700.00                    | 7,070.36            | 6,564.00            | 6,541.04            | 140.69          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,115.49             | 4,030.63              | 84.86                   | 48.499            |                    |         |
| 11,800.00                    | 7,070.37            | 6,564.00            | 6,541.04            | 143.46          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,209.15             | 4,124.33              | 84.82                   | 49.624            |                    |         |
| 11,900.00                    | 7,070.38            | 6,564.00            | 6,541.04            | 146.23          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,303.09             | 4,218.31              | 84.79                   | 50.753            |                    |         |
| 12,000.00                    | 7,070.39            | 6,564.00            | 6,541.04            | 149.01          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,397.31             | 4,312.56              | 84.75                   | 51.885            |                    |         |
| 12,100.00                    | 7,070.40            | 6,564.00            | 6,541.04            | 151.79          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,491.77             | 4,407.05              | 84.72                   | 53.020            |                    |         |
| 12,200.00                    | 7,070.41            | 6,564.00            | 6,541.04            | 154.57          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,586.47             | 4,501.78              | 84.69                   | 54.159            |                    |         |
| 12,300.00                    | 7,070.42            | 6,564.00            | 6,541.04            | 157.35          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,681.39             | 4,596.73              | 84.65                   | 55.300            |                    |         |
| 12,400.00                    | 7,070.43            | 6,564.00            | 6,541.04            | 160.14          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,776.51             | 4,691.89              | 84.62                   | 56.443            |                    |         |
| 12,500.00                    | 7,070.44            | 6,564.00            | 6,541.04            | 162.93          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,871.83             | 4,787.24              | 84.60                   | 57.589            |                    |         |
| 12,600.00                    | 7,070.44            | 6,564.00            | 6,541.04            | 165.72          | 28.11       | -69.19                | -933.83                           | 298.36     | 4,967.34             | 4,882.77              | 84.57                   | 58.737            |                    |         |
| 12,700.00                    | 7,070.45            | 6,564.00            | 6,541.04            | 168.52          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,063.02             | 4,978.47              | 84.54                   | 59.886            |                    |         |
| 12,800.00                    | 7,070.46            | 6,564.00            | 6,541.04            | 171.32          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,158.86             | 5,074.34              | 84.52                   | 61.037            |                    |         |
| 12,900.00                    | 7,070.47            | 6,564.00            | 6,541.04            | 174.11          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,254.86             | 5,170.36              | 84.50                   | 62.189            |                    |         |
| 13,000.00                    | 7,070.48            | 6,564.00            | 6,541.04            | 176.92          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,351.00             | 5,266.52              | 84.48                   | 63.342            |                    |         |
| 13,100.00                    | 7,070.49            | 6,564.00            | 6,541.04            | 179.72          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,447.28             | 5,362.83              | 84.46                   | 64.497            |                    |         |
| 13,200.00                    | 7,070.50            | 6,564.00            | 6,541.04            | 182.52          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,543.70             | 5,459.26              | 84.44                   | 65.652            |                    |         |
| 13,300.00                    | 7,070.51            | 6,564.00            | 6,541.04            | 185.33          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,640.24             | 5,555.81              | 84.43                   | 66.808            |                    |         |
| 13,400.00                    | 7,070.52            | 6,564.00            | 6,541.04            | 188.14          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,736.90             | 5,652.49              | 84.41                   | 67.964            |                    |         |
| 13,500.00                    | 7,070.52            | 6,564.00            | 6,541.04            | 190.95          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,833.67             | 5,749.27              | 84.40                   | 69.121            |                    |         |
| 13,600.00                    | 7,070.53            | 6,564.00            | 6,541.04            | 193.76          | 28.11       | -69.19                | -933.83                           | 298.36     | 5,930.55             | 5,846.16              | 84.39                   | 70.278            |                    |         |
| 13,700.00                    | 7,070.54            | 6,564.00            | 6,541.04            | 196.57          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,027.53             | 5,943.15              | 84.38                   | 71.435            |                    |         |
| 13,800.00                    | 7,070.55            | 6,564.00            | 6,541.04            | 199.38          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,124.60             | 6,040.23              | 84.37                   | 72.592            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 250-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,564.00            | 6,541.04            | 202.20          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,221.77             | 6,137.41              | 84.36                   | 73.749            |                    |         |
| 14,000.00                    | 7,070.57            | 6,564.00            | 6,541.04            | 205.01          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,319.03             | 6,234.67              | 84.36                   | 74.906            |                    |         |
| 14,100.00                    | 7,070.58            | 6,564.00            | 6,541.04            | 207.83          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,416.37             | 6,332.02              | 84.36                   | 76.063            |                    |         |
| 14,200.00                    | 7,070.59            | 6,564.00            | 6,541.04            | 210.65          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,513.79             | 6,429.44              | 84.35                   | 77.220            |                    |         |
| 14,300.00                    | 7,070.60            | 6,564.00            | 6,541.04            | 213.47          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,611.29             | 6,526.94              | 84.35                   | 78.376            |                    |         |
| 14,400.00                    | 7,070.60            | 6,564.00            | 6,541.04            | 216.29          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,708.87             | 6,624.51              | 84.36                   | 79.531            |                    |         |
| 14,500.00                    | 7,070.61            | 6,564.00            | 6,541.04            | 219.11          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,806.51             | 6,722.15              | 84.36                   | 80.686            |                    |         |
| 14,600.00                    | 7,070.62            | 6,564.00            | 6,541.04            | 221.94          | 28.11       | -69.19                | -933.83                           | 298.36     | 6,904.22             | 6,819.86              | 84.36                   | 81.840            |                    |         |
| 14,700.00                    | 7,070.63            | 6,564.00            | 6,541.04            | 224.76          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,002.00             | 6,917.63              | 84.37                   | 82.994            |                    |         |
| 14,800.00                    | 7,070.64            | 6,564.00            | 6,541.04            | 227.58          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,099.84             | 7,015.46              | 84.37                   | 84.147            |                    |         |
| 14,900.00                    | 7,070.65            | 6,564.00            | 6,541.04            | 230.41          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,197.73             | 7,113.35              | 84.38                   | 85.298            |                    |         |
| 15,000.00                    | 7,070.66            | 6,564.00            | 6,541.04            | 233.24          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,295.69             | 7,211.29              | 84.39                   | 86.449            |                    |         |
| 15,100.00                    | 7,070.67            | 6,564.00            | 6,541.04            | 236.06          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,393.70             | 7,309.29              | 84.40                   | 87.599            |                    |         |
| 15,200.00                    | 7,070.68            | 6,564.00            | 6,541.04            | 238.89          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,491.76             | 7,407.34              | 84.42                   | 88.748            |                    |         |
| 15,300.00                    | 7,070.68            | 6,564.00            | 6,541.04            | 241.72          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,589.87             | 7,505.44              | 84.43                   | 89.895            |                    |         |
| 15,400.00                    | 7,070.69            | 6,564.00            | 6,541.04            | 244.55          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,688.03             | 7,603.59              | 84.45                   | 91.041            |                    |         |
| 15,500.00                    | 7,070.70            | 6,564.00            | 6,541.04            | 247.38          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,786.24             | 7,701.78              | 84.46                   | 92.186            |                    |         |
| 15,600.00                    | 7,070.71            | 6,564.00            | 6,541.04            | 250.21          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,884.49             | 7,800.01              | 84.48                   | 93.330            |                    |         |
| 15,700.00                    | 7,070.72            | 6,564.00            | 6,541.04            | 253.04          | 28.11       | -69.19                | -933.83                           | 298.36     | 7,982.79             | 7,898.29              | 84.50                   | 94.473            |                    |         |
| 15,800.00                    | 7,070.73            | 6,564.00            | 6,541.04            | 255.87          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,081.13             | 7,996.61              | 84.52                   | 95.614            |                    |         |
| 15,900.00                    | 7,070.74            | 6,564.00            | 6,541.04            | 258.71          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,179.50             | 8,094.96              | 84.54                   | 96.753            |                    |         |
| 16,000.00                    | 7,070.75            | 6,564.00            | 6,541.04            | 261.54          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,277.92             | 8,193.36              | 84.56                   | 97.891            |                    |         |
| 16,100.00                    | 7,070.76            | 6,564.00            | 6,541.04            | 264.37          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,376.37             | 8,291.79              | 84.59                   | 99.027            |                    |         |
| 16,200.00                    | 7,070.76            | 6,564.00            | 6,541.04            | 267.21          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,474.87             | 8,390.25              | 84.61                   | 100.162           |                    |         |
| 16,300.00                    | 7,070.77            | 6,564.00            | 6,541.04            | 270.04          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,573.39             | 8,488.75              | 84.64                   | 101.296           |                    |         |
| 16,400.00                    | 7,070.78            | 6,564.00            | 6,541.04            | 272.88          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,671.95             | 8,587.29              | 84.66                   | 102.427           |                    |         |
| 16,500.00                    | 7,070.79            | 6,564.00            | 6,541.04            | 275.71          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,770.54             | 8,685.85              | 84.69                   | 103.557           |                    |         |
| 16,600.00                    | 7,070.80            | 6,564.00            | 6,541.04            | 278.55          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,869.17             | 8,784.44              | 84.72                   | 104.685           |                    |         |
| 16,700.00                    | 7,070.81            | 6,564.00            | 6,541.04            | 281.39          | 28.11       | -69.19                | -933.83                           | 298.36     | 8,967.82             | 8,883.07              | 84.75                   | 105.811           |                    |         |
| 16,800.00                    | 7,070.82            | 6,564.00            | 6,541.04            | 284.22          | 28.11       | -69.19                | -933.83                           | 298.36     | 9,066.50             | 8,981.72              | 84.78                   | 106.935           |                    |         |
| 16,900.00                    | 7,070.83            | 6,564.00            | 6,541.04            | 287.06          | 28.11       | -69.19                | -933.83                           | 298.36     | 9,165.22             | 9,080.40              | 84.82                   | 108.058           |                    |         |
| 17,000.00                    | 7,070.84            | 6,564.00            | 6,541.04            | 289.90          | 28.11       | -69.19                | -933.83                           | 298.36     | 9,263.96             | 9,179.10              | 84.85                   | 109.178           |                    |         |
| 17,100.00                    | 7,070.84            | 6,564.00            | 6,541.04            | 292.74          | 28.11       | -69.19                | -933.83                           | 298.36     | 9,362.72             | 9,277.84              | 84.89                   | 110.297           |                    |         |
| 17,200.00                    | 7,070.85            | 6,520.77            | 6,497.99            | 295.58          | 27.93       | -67.62                | -933.44                           | 294.48     | 9,460.08             | 9,375.24              | 84.84                   | 111.502           |                    |         |
| 17,300.00                    | 7,070.86            | 6,520.36            | 6,497.59            | 298.42          | 27.93       | -67.61                | -933.44                           | 294.45     | 9,558.88             | 9,474.00              | 84.88                   | 112.618           |                    |         |
| 17,400.00                    | 7,070.87            | 6,519.96            | 6,497.19            | 301.26          | 27.93       | -67.60                | -933.44                           | 294.43     | 9,657.69             | 9,572.78              | 84.92                   | 113.732           |                    |         |
| 17,500.00                    | 7,070.88            | 6,519.57            | 6,496.80            | 304.10          | 27.93       | -67.58                | -933.43                           | 294.41     | 9,756.53             | 9,671.58              | 84.95                   | 114.845           |                    |         |
| 17,600.00                    | 7,070.89            | 6,519.19            | 6,496.42            | 306.94          | 27.93       | -67.57                | -933.43                           | 294.39     | 9,855.40             | 9,770.40              | 84.99                   | 115.955           |                    |         |
| 17,700.00                    | 7,070.90            | 6,518.81            | 6,496.04            | 309.78          | 27.92       | -67.55                | -933.43                           | 294.36     | 9,954.28             | 9,869.25              | 85.03                   | 117.062           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 342-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 144.07                | -697.64                           | 505.59     | 861.66               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 90.73               | 90.73               | 3.28            | 3.29        | 144.05                | -697.39                           | 505.78     | 861.50               | 854.92                | 6.57                    | 131.110           |                    |         |
| 200.00                       | 200.00              | 192.67              | 192.66              | 3.34            | 3.31        | 143.98                | -696.53                           | 506.43     | 861.18               | 854.54                | 6.64                    | 129.612           |                    |         |
| 300.00                       | 300.00              | 294.59              | 294.56              | 3.44            | 3.34        | 143.86                | -695.04                           | 507.55     | 860.65               | 853.86                | 6.79                    | 126.784           |                    |         |
| 400.00                       | 399.98              | 412.12              | 412.06              | 3.60            | 3.45        | 71.38                 | -692.44                           | 508.50     | 858.84               | 851.79                | 7.05                    | 121.790           |                    |         |
| 500.00                       | 499.84              | 546.04              | 545.82              | 3.80            | 3.67        | 71.88                 | -686.77                           | 505.69     | 852.54               | 845.04                | 7.50                    | 113.716           |                    |         |
| 600.00                       | 599.45              | 670.53              | 669.84              | 4.04            | 3.95        | 72.63                 | -676.90                           | 501.41     | 841.34               | 833.30                | 8.04                    | 104.701           |                    |         |
| 700.00                       | 698.70              | 775.67              | 774.41              | 4.32            | 4.23        | 73.59                 | -666.81                           | 497.12     | 827.53               | 818.95                | 8.58                    | 96.395            |                    |         |
| 800.00                       | 797.47              | 897.69              | 895.56              | 4.63            | 4.59        | 75.00                 | -653.37                           | 491.71     | 811.64               | 802.37                | 9.27                    | 87.569            |                    |         |
| 900.00                       | 895.62              | 1,019.39            | 1,015.77            | 4.97            | 5.00        | 76.71                 | -635.46                           | 485.70     | 791.69               | 781.67                | 10.01                   | 79.063            |                    |         |
| 924.00                       | 919.08              | 1,048.65            | 1,044.58            | 5.06            | 5.10        | 77.17                 | -630.54                           | 484.18     | 786.37               | 776.17                | 10.20                   | 77.102            |                    |         |
| 1,000.00                     | 993.28              | 1,131.02            | 1,125.45            | 5.34            | 5.39        | 78.18                 | -615.48                           | 479.89     | 768.65               | 757.89                | 10.76                   | 71.439            |                    |         |
| 1,100.00                     | 1,090.92            | 1,224.67            | 1,217.32            | 5.73            | 5.75        | 79.37                 | -598.01                           | 475.08     | 745.38               | 733.91                | 11.47                   | 64.992            |                    |         |
| 1,200.00                     | 1,188.56            | 1,322.06            | 1,312.99            | 6.15            | 6.13        | 80.73                 | -580.53                           | 469.79     | 722.93               | 710.71                | 12.23                   | 59.129            |                    |         |
| 1,300.00                     | 1,286.19            | 1,433.87            | 1,422.46            | 6.57            | 6.58        | 82.34                 | -558.69                           | 463.54     | 699.45               | 686.38                | 13.06                   | 53.544            |                    |         |
| 1,400.00                     | 1,383.83            | 1,550.39            | 1,535.81            | 7.01            | 7.08        | 84.03                 | -532.55                           | 456.99     | 673.83               | 659.91                | 13.93                   | 48.376            |                    |         |
| 1,500.00                     | 1,481.47            | 1,647.69            | 1,629.98            | 7.46            | 7.51        | 85.52                 | -508.73                           | 451.19     | 646.66               | 631.91                | 14.75                   | 43.830            |                    |         |
| 1,600.00                     | 1,579.10            | 1,733.40            | 1,713.04            | 7.91            | 7.89        | 86.88                 | -488.06                           | 446.79     | 620.56               | 604.99                | 15.57                   | 39.858            |                    |         |
| 1,700.00                     | 1,676.74            | 1,818.71            | 1,796.01            | 8.37            | 8.28        | 88.26                 | -468.49                           | 443.66     | 596.50               | 580.10                | 16.40                   | 36.363            |                    |         |
| 1,800.00                     | 1,774.38            | 1,908.86            | 1,883.97            | 8.84            | 8.68        | 89.77                 | -448.82                           | 441.33     | 574.31               | 557.04                | 17.26                   | 33.266            |                    |         |
| 1,900.00                     | 1,872.02            | 1,999.91            | 1,972.96            | 9.31            | 9.09        | 91.47                 | -429.80                           | 438.73     | 553.38               | 535.24                | 18.14                   | 30.508            |                    |         |
| 2,000.00                     | 1,969.65            | 2,098.71            | 2,069.68            | 9.79            | 9.54        | 93.49                 | -409.86                           | 435.55     | 533.60               | 514.56                | 19.04                   | 28.029            |                    |         |
| 2,100.00                     | 2,067.29            | 2,199.39            | 2,168.01            | 10.27           | 10.00       | 95.76                 | -388.59                           | 431.69     | 513.44               | 493.50                | 19.95                   | 25.741            |                    |         |
| 2,200.00                     | 2,164.93            | 2,304.68            | 2,270.56            | 10.75           | 10.49       | 98.20                 | -364.97                           | 428.46     | 492.99               | 472.13                | 20.86                   | 23.631            |                    |         |
| 2,300.00                     | 2,262.56            | 2,390.64            | 2,354.18            | 11.24           | 10.90       | 100.28                | -345.18                           | 426.34     | 472.89               | 451.10                | 21.78                   | 21.708            |                    |         |
| 2,400.00                     | 2,360.20            | 2,486.25            | 2,447.62            | 11.73           | 11.34       | 102.85                | -325.07                           | 423.64     | 455.50               | 432.79                | 22.71                   | 20.056            |                    |         |
| 2,500.00                     | 2,457.84            | 2,589.81            | 2,548.54            | 12.22           | 11.83       | 105.95                | -302.19                           | 419.77     | 438.01               | 414.37                | 23.64                   | 18.526            |                    |         |
| 2,600.00                     | 2,555.48            | 2,680.66            | 2,636.95            | 12.71           | 12.27       | 108.91                | -281.58                           | 416.15     | 421.17               | 396.57                | 24.59                   | 17.127            |                    |         |
| 2,700.00                     | 2,653.11            | 2,782.25            | 2,735.92            | 13.20           | 12.75       | 112.40                | -258.97                           | 412.60     | 406.13               | 380.60                | 25.53                   | 15.908            |                    |         |
| 2,800.00                     | 2,750.75            | 2,873.55            | 2,824.80            | 13.70           | 13.19       | 115.60                | -238.15                           | 410.52     | 391.92               | 365.44                | 26.48                   | 14.798            |                    |         |
| 2,900.00                     | 2,848.39            | 2,983.91            | 2,931.88            | 14.19           | 13.72       | 119.98                | -211.86                           | 406.53     | 378.46               | 351.06                | 27.40                   | 13.811            |                    |         |
| 3,000.00                     | 2,946.02            | 3,067.37            | 3,012.73            | 14.69           | 14.14       | 123.68                | -191.54                           | 402.44     | 366.61               | 338.21                | 28.39                   | 12.912            |                    |         |
| 3,100.00                     | 3,043.66            | 3,153.99            | 3,097.17            | 15.19           | 14.55       | 127.59                | -172.70                           | 398.29     | 359.43               | 330.09                | 29.34                   | 12.251            |                    |         |
| 3,200.00                     | 3,141.30            | 3,259.46            | 3,200.06            | 15.69           | 15.06       | 132.40                | -150.00                           | 393.79     | 354.56               | 324.28                | 30.28                   | 11.711            |                    |         |
| 3,285.01                     | 3,224.30            | 3,328.74            | 3,267.71            | 16.11           | 15.39       | 135.59                | -135.39                           | 390.83     | 352.49               | 321.44                | 31.05                   | 11.353            |                    |         |
| 3,300.00                     | 3,238.94            | 3,341.23            | 3,279.97            | 16.19           | 15.45       | 136.16                | -132.98                           | 390.28     | 352.55               | 321.37                | 31.18                   | 11.308            |                    |         |
| 3,400.00                     | 3,336.57            | 3,432.45            | 3,369.59            | 16.69           | 15.88       | 140.18                | -116.51                           | 386.27     | 355.20               | 323.14                | 32.05                   | 11.081            |                    |         |
| 3,500.00                     | 3,434.21            | 3,533.48            | 3,468.99            | 17.19           | 16.35       | 144.40                | -98.81                            | 382.53     | 359.93               | 326.97                | 32.96                   | 10.919            |                    |         |
| 3,600.00                     | 3,531.85            | 3,637.39            | 3,570.83            | 17.69           | 16.84       | 148.77                | -78.46                            | 379.22     | 364.65               | 330.77                | 33.89                   | 10.761            |                    |         |
| 3,700.00                     | 3,629.48            | 3,734.70            | 3,665.91            | 18.20           | 17.31       | 152.91                | -58.08                            | 375.74     | 370.58               | 335.81                | 34.78                   | 10.656            |                    |         |
| 3,800.00                     | 3,727.12            | 3,841.08            | 3,769.49            | 18.70           | 17.83       | 157.39                | -33.99                            | 372.95     | 376.69               | 340.98                | 35.71                   | 10.550            |                    |         |
| 3,900.00                     | 3,824.76            | 3,940.96            | 3,865.97            | 19.21           | 18.33       | 161.80                | -8.30                             | 370.36     | 382.89               | 346.28                | 36.62                   | 10.457            |                    |         |
| 4,000.00                     | 3,922.40            | 4,037.53            | 3,958.58            | 19.71           | 18.83       | 166.29                | 18.81                             | 366.67     | 391.05               | 353.53                | 37.52                   | 10.423            |                    |         |
| 4,100.00                     | 4,020.03            | 4,135.06            | 4,051.85            | 20.21           | 19.33       | 170.71                | 47.12                             | 363.30     | 400.88               | 362.45                | 38.42                   | 10.433            |                    |         |
| 4,200.00                     | 4,117.67            | 4,226.49            | 4,139.71            | 20.72           | 19.80       | 174.45                | 72.32                             | 360.99     | 412.83               | 373.54                | 39.29                   | 10.508            |                    |         |
| 4,300.00                     | 4,215.31            | 4,312.79            | 4,223.42            | 21.23           | 20.23       | 177.42                | 93.11                             | 358.42     | 428.25               | 388.17                | 40.08                   | 10.684            |                    |         |
| 4,400.00                     | 4,312.94            | 4,402.18            | 4,310.96            | 21.73           | 20.66       | 179.86                | 110.86                            | 355.06     | 446.98               | 406.09                | 40.89                   | 10.932            |                    |         |
| 4,500.00                     | 4,410.58            | 4,498.88            | 4,405.66            | 22.24           | 21.13       | -177.69               | 130.03                            | 351.06     | 466.96               | 425.18                | 41.77                   | 11.179            |                    |         |
| 4,600.00                     | 4,508.22            | 4,597.41            | 4,502.01            | 22.75           | 21.60       | -175.32               | 150.22                            | 347.01     | 487.53               | 444.84                | 42.69                   | 11.421            |                    |         |
| 4,700.00                     | 4,605.86            | 4,695.92            | 4,598.26            | 23.25           | 22.08       | -173.10               | 170.94                            | 343.64     | 508.07               | 464.46                | 43.61                   | 11.651            |                    |         |
| 4,800.00                     | 4,703.49            | 4,787.52            | 4,687.87            | 23.76           | 22.52       | -171.26               | 189.61                            | 340.47     | 529.42               | 484.98                | 44.44                   | 11.912            |                    |         |
| 4,900.00                     | 4,801.13            | 4,873.46            | 4,772.02            | 24.27           | 22.94       | -169.69               | 206.56                            | 336.32     | 552.71               | 507.51                | 45.20                   | 12.229            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                           | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|---------------------------|--------------------|---------|
| Survey Program: 342-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                           | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                           |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor         |                    |         |
| 5,000.00                     | 4,898.77            | 4,961.99            | 4,858.89            | 24.77           | 23.36       | -168.33               | 222.60                            | 330.46     | 578.27               | 532.29                | 45.98                   | 12.577                    |                    |         |
| 5,100.00                     | 4,996.40            | 5,063.05            | 4,957.88            | 25.28           | 23.85       | -166.81               | 241.81                            | 323.84     | 604.08               | 557.12                | 46.96                   | 12.865                    |                    |         |
| 5,200.00                     | 5,094.04            | 5,169.14            | 5,061.13            | 25.79           | 24.37       | -165.04               | 265.44                            | 317.92     | 629.14               | 581.14                | 48.01                   | 13.105                    |                    |         |
| 5,300.00                     | 5,191.68            | 5,283.82            | 5,172.68            | 26.30           | 24.94       | -163.22               | 291.73                            | 314.24     | 652.37               | 603.22                | 49.15                   | 13.273                    |                    |         |
| 5,400.00                     | 5,289.32            | 5,379.67            | 5,267.06            | 26.81           | 25.39       | -162.28               | 308.39                            | 313.00     | 674.15               | 624.10                | 50.05                   | 13.471                    |                    |         |
| 5,500.00                     | 5,386.95            | 5,488.70            | 5,374.80            | 27.32           | 25.88       | -161.48               | 325.05                            | 311.73     | 695.97               | 644.89                | 51.07                   | 13.627                    |                    |         |
| 5,600.00                     | 5,484.59            | 5,593.62            | 5,478.54            | 27.83           | 26.36       | -160.78               | 340.75                            | 312.33     | 716.14               | 664.10                | 52.05                   | 13.760                    |                    |         |
| 5,700.00                     | 5,582.23            | 5,677.77            | 5,561.76            | 28.33           | 26.74       | -160.27               | 353.14                            | 312.39     | 736.89               | 684.07                | 52.82                   | 13.952                    |                    |         |
| 5,800.00                     | 5,679.87            | 5,790.67            | 5,673.89            | 28.84           | 27.23       | -159.89               | 366.24                            | 312.31     | 757.75               | 703.90                | 53.86                   | 14.070                    |                    |         |
| 5,900.00                     | 5,777.50            | 5,886.96            | 5,769.85            | 29.35           | 27.64       | -159.84               | 374.08                            | 313.06     | 777.64               | 722.92                | 54.72                   | 14.212                    |                    |         |
| 6,000.00                     | 5,875.14            | 5,980.47            | 5,863.19            | 29.86           | 28.02       | -159.94               | 379.72                            | 313.41     | 797.84               | 742.30                | 55.55                   | 14.363                    |                    |         |
| 6,100.00                     | 5,972.78            | 6,074.89            | 5,957.52            | 30.37           | 28.40       | -160.15               | 383.75                            | 313.28     | 818.49               | 762.12                | 56.38                   | 14.519                    |                    |         |
| 6,200.00                     | 6,070.41            | 6,165.26            | 6,047.85            | 30.88           | 28.76       | -160.43               | 386.41                            | 312.47     | 839.85               | 782.69                | 57.16                   | 14.693                    |                    |         |
| 6,300.00                     | 6,168.05            | 6,264.95            | 6,147.51            | 31.39           | 29.15       | -160.81               | 388.04                            | 311.30     | 861.48               | 803.46                | 58.02                   | 14.847                    |                    |         |
| 6,400.00                     | 6,265.69            | 6,363.13            | 6,145.15            | 31.90           | 29.53       | -171.09               | 401.97                            | 1,185.46   | 796.18               | 778.27                | 17.92                   | 44.437                    |                    |         |
| 6,439.09                     | 6,303.85            | 7,784.45            | 7,050.50            | 32.10           | 38.67       | -171.56               | 401.90                            | 1,193.79   | 758.04               | 739.95                | 18.09                   | 41.906                    |                    |         |
| 6,450.00                     | 6,314.53            | 7,786.83            | 7,050.53            | 32.16           | 38.71       | -171.02               | 401.88                            | 1,196.16   | 747.37               | 729.24                | 18.14                   | 41.211                    |                    |         |
| 6,500.00                     | 6,363.83            | 7,795.21            | 7,050.61            | 32.39           | 38.85       | -167.16               | 401.82                            | 1,204.54   | 698.06               | 679.74                | 18.33                   | 38.091                    |                    |         |
| 6,550.00                     | 6,413.58            | 7,799.46            | 7,050.65            | 32.60           | 38.92       | -161.59               | 401.79                            | 1,208.79   | 648.28               | 629.80                | 18.49                   | 35.065                    |                    |         |
| 6,600.00                     | 6,463.45            | 7,799.59            | 7,050.65            | 32.79           | 38.92       | 175.67                | 401.79                            | 1,208.92   | 598.34               | 579.73                | 18.62                   | 32.137                    |                    |         |
| 6,650.00                     | 6,513.15            | 7,795.66            | 7,050.61            | 32.97           | 38.85       | 175.19                | 401.82                            | 1,204.99   | 548.56               | 529.83                | 18.72                   | 29.296                    |                    |         |
| 6,700.00                     | 6,562.37            | 7,787.71            | 7,050.54            | 33.15           | 38.72       | 177.59                | 401.88                            | 1,197.04   | 499.22               | 480.41                | 18.82                   | 26.533                    |                    |         |
| 6,750.00                     | 6,610.80            | 7,776.14            | 7,050.42            | 33.34           | 38.53       | 179.18                | 401.97                            | 1,185.48   | 450.65               | 431.76                | 18.89                   | 23.861                    |                    |         |
| 6,800.00                     | 6,658.14            | 7,762.43            | 7,050.31            | 33.53           | 38.32       | -179.76               | 402.10                            | 1,171.76   | 403.17               | 384.30                | 18.87                   | 21.361                    |                    |         |
| 6,850.00                     | 6,704.11            | 7,745.03            | 7,050.25            | 33.74           | 38.06       | -178.85               | 402.29                            | 1,154.37   | 357.15               | 338.28                | 18.86                   | 18.933                    |                    |         |
| 6,900.00                     | 6,748.42            | 7,723.95            | 7,050.28            | 33.97           | 37.74       | -178.00               | 402.56                            | 1,133.29   | 312.92               | 294.04                | 18.88                   | 16.572                    |                    |         |
| 6,950.00                     | 6,790.79            | 7,699.21            | 7,050.49            | 34.21           | 37.36       | -177.13               | 402.94                            | 1,108.55   | 270.84               | 251.87                | 18.97                   | 14.277                    |                    |         |
| 7,000.00                     | 6,830.97            | 7,668.20            | 7,050.89            | 34.48           | 36.91       | -176.04               | 403.44                            | 1,077.54   | 231.15               | 211.75                | 19.40                   | 11.912                    |                    |         |
| 7,050.00                     | 6,868.71            | 7,634.07            | 7,050.97            | 34.77           | 36.45       | -174.62               | 403.65                            | 1,043.42   | 193.67               | 173.51                | 20.17                   | 9.603                     |                    |         |
| 7,100.00                     | 6,903.77            | 7,598.81            | 7,051.05            | 35.09           | 35.99       | -172.85               | 403.68                            | 1,008.16   | 158.99               | 137.76                | 21.23                   | 7.490                     |                    |         |
| 7,150.00                     | 6,935.93            | 7,561.14            | 7,051.21            | 35.44           | 35.51       | -170.39               | 403.51                            | 970.49     | 127.44               | 104.44                | 23.00                   | 5.542                     |                    |         |
| 7,200.00                     | 6,965.01            | 7,515.78            | 7,050.43            | 35.83           | 35.00       | -165.90               | 402.89                            | 925.14     | 98.47                | 71.37                 | 27.10                   | 3.634                     |                    |         |
| 7,250.00                     | 6,990.82            | 7,471.25            | 7,047.47            | 36.26           | 34.50       | -158.25               | 401.70                            | 880.73     | 71.52                | 37.40                 | 34.12                   | 2.096                     |                    |         |
| 7,300.00                     | 7,013.20            | 7,426.39            | 7,042.19            | 36.72           | 34.07       | -143.45               | 400.25                            | 836.22     | 47.71                | 0.38                  | 47.33                   | 1.008 Level 2             |                    |         |
| 7,350.00                     | 7,032.02            | 7,382.42            | 7,034.59            | 37.23           | 33.67       | -113.70               | 399.11                            | 792.93     | 31.09                | -36.39                | 67.49                   | 0.461 Level 1             |                    |         |
| 7,372.14                     | 7,039.18            | 7,363.32            | 7,030.53            | 37.47           | 33.51       | -94.91                | 398.69                            | 774.27     | 28.88                | -42.28                | 71.17                   | 0.406 Level 1, CC, ES, SF |                    |         |
| 7,400.00                     | 7,047.15            | 7,339.80            | 7,024.80            | 37.77           | 33.34       | -71.95                | 398.05                            | 751.48     | 32.29                | -31.57                | 63.86                   | 0.506 Level 1             |                    |         |
| 7,450.00                     | 7,058.51            | 7,298.64            | 7,012.74            | 38.34           | 33.05       | -45.46                | 396.51                            | 712.16     | 49.27                | 2.38                  | 46.89                   | 1.051 Level 2             |                    |         |
| 7,500.00                     | 7,066.02            | 7,259.12            | 6,998.73            | 38.95           | 32.82       | -33.06                | 394.52                            | 675.26     | 71.02                | 30.05                 | 40.98                   | 1.733                     |                    |         |
| 7,550.00                     | 7,069.64            | 7,221.49            | 6,982.91            | 39.58           | 32.64       | -26.69                | 392.01                            | 641.22     | 94.22                | 53.43                 | 40.79                   | 2.310                     |                    |         |
| 7,571.20                     | 7,070.00            | 7,205.96            | 6,975.68            | 39.85           | 32.58       | -24.90                | 390.80                            | 627.53     | 104.22               | 62.81                 | 41.41                   | 2.517                     |                    |         |
| 7,600.00                     | 7,070.00            | 7,185.50            | 6,965.54            | 40.23           | 32.49       | -23.40                | 389.04                            | 609.85     | 118.37               | 75.86                 | 42.51                   | 2.785                     |                    |         |
| 7,700.00                     | 7,070.01            | 7,118.01            | 6,927.09            | 41.64           | 32.24       | -18.20                | 386.07                            | 554.56     | 174.13               | 128.45                | 45.68                   | 3.812                     |                    |         |
| 7,800.00                     | 7,070.02            | 7,060.75            | 6,889.08            | 43.20           | 32.04       | -13.58                | 388.40                            | 511.84     | 238.57               | 189.56                | 49.01                   | 4.868                     |                    |         |
| 7,900.00                     | 7,070.03            | 7,011.01            | 6,853.19            | 44.89           | 31.88       | -10.47                | 391.39                            | 477.56     | 309.56               | 257.74                | 51.82                   | 5.974                     |                    |         |
| 8,000.00                     | 7,070.04            | 6,972.00            | 6,823.24            | 46.69           | 31.75       | -8.53                 | 394.05                            | 452.69     | 385.72               | 331.31                | 54.40                   | 7.090                     |                    |         |
| 8,100.00                     | 7,070.05            | 6,940.81            | 6,797.98            | 48.60           | 31.65       | -7.23                 | 396.28                            | 434.56     | 466.40               | 409.92                | 56.47                   | 8.259                     |                    |         |
| 8,200.00                     | 7,070.05            | 6,905.00            | 6,767.61            | 50.59           | 31.53       | -5.97                 | 398.93                            | 415.78     | 550.71               | 493.13                | 57.58                   | 9.563                     |                    |         |
| 8,300.00                     | 7,070.06            | 6,905.00            | 6,767.61            | 52.66           | 31.53       | -5.97                 | 398.93                            | 415.78     | 637.61               | 577.97                | 59.64                   | 10.691                    |                    |         |
| 8,400.00                     | 7,070.07            | 6,867.67            | 6,734.74            | 54.81           | 31.41       | -4.93                 | 401.43                            | 398.28     | 725.87               | 665.91                | 59.96                   | 12.106                    |                    |         |
| 8,500.00                     | 7,070.08            | 6,847.75            | 6,716.80            | 57.02           | 31.34       | -4.49                 | 402.51                            | 389.69     | 815.94               | 755.32                | 60.62                   | 13.459                    |                    |         |
| 8,600.00                     | 7,070.09            | 6,810.00            | 6,682.11            | 59.28           | 31.21       | -3.84                 | 404.06                            | 374.89     | 907.76               | 846.98                | 60.77                   | 14.937                    |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 342-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,810.00            | 6,682.11            | 61.60           | 31.21       | -3.84                 | 404.06                            | 374.89     | 999.55               | 938.02                | 61.54                   | 16.243            |                    |         |
| 8,800.00                     | 7,070.11            | 6,792.12            | 6,665.46            | 63.95           | 31.15       | -3.62                 | 404.46                            | 368.39     | 1,092.58             | 1,030.72              | 61.87                   | 17.661            |                    |         |
| 8,900.00                     | 7,070.12            | 6,767.69            | 6,642.63            | 66.35           | 31.06       | -3.43                 | 404.40                            | 359.70     | 1,186.02             | 1,123.96              | 62.05                   | 19.113            |                    |         |
| 9,000.00                     | 7,070.13            | 6,744.41            | 6,620.81            | 68.79           | 30.98       | -3.35                 | 403.71                            | 351.62     | 1,279.79             | 1,217.56              | 62.23                   | 20.566            |                    |         |
| 9,100.00                     | 7,070.13            | 6,718.00            | 6,596.01            | 71.25           | 30.89       | -3.36                 | 402.16                            | 342.69     | 1,373.89             | 1,311.54              | 62.35                   | 22.034            |                    |         |
| 9,200.00                     | 7,070.14            | 6,718.00            | 6,596.01            | 73.74           | 30.89       | -3.36                 | 402.16                            | 342.69     | 1,468.41             | 1,405.73              | 62.68                   | 23.427            |                    |         |
| 9,300.00                     | 7,070.15            | 6,718.00            | 6,596.01            | 76.26           | 30.89       | -3.36                 | 402.16                            | 342.69     | 1,563.61             | 1,500.66              | 62.94                   | 24.842            |                    |         |
| 9,400.00                     | 7,070.16            | 6,718.00            | 6,596.01            | 78.80           | 30.89       | -3.36                 | 402.16                            | 342.69     | 1,659.37             | 1,596.21              | 63.16                   | 26.273            |                    |         |
| 9,500.00                     | 7,070.17            | 6,683.54            | 6,563.34            | 81.37           | 30.76       | -3.45                 | 399.47                            | 332.07     | 1,754.36             | 1,691.20              | 63.17                   | 27.774            |                    |         |
| 9,600.00                     | 7,070.18            | 6,676.14            | 6,556.25            | 83.95           | 30.73       | -3.47                 | 398.85                            | 330.01     | 1,850.43             | 1,787.13              | 63.31                   | 29.229            |                    |         |
| 9,700.00                     | 7,070.19            | 6,669.29            | 6,549.68            | 86.55           | 30.71       | -3.49                 | 398.27                            | 328.18     | 1,946.80             | 1,883.36              | 63.44                   | 30.689            |                    |         |
| 9,800.00                     | 7,070.20            | 6,662.92            | 6,543.55            | 89.17           | 30.68       | -3.51                 | 397.73                            | 326.55     | 2,043.43             | 1,979.88              | 63.55                   | 32.154            |                    |         |
| 9,900.00                     | 7,070.21            | 6,625.00            | 6,506.76            | 91.80           | 30.54       | -3.64                 | 394.27                            | 318.03     | 2,141.32             | 2,077.77              | 63.55                   | 33.693            |                    |         |
| 10,000.00                    | 7,070.21            | 6,625.00            | 6,506.76            | 94.44           | 30.54       | -3.64                 | 394.27                            | 318.03     | 2,238.07             | 2,174.39              | 63.68                   | 35.147            |                    |         |
| 10,100.00                    | 7,070.22            | 6,625.00            | 6,506.76            | 97.10           | 30.54       | -3.64                 | 394.27                            | 318.03     | 2,335.10             | 2,271.31              | 63.79                   | 36.607            |                    |         |
| 10,200.00                    | 7,070.23            | 6,625.00            | 6,506.76            | 99.77           | 30.54       | -3.64                 | 394.27                            | 318.03     | 2,432.36             | 2,368.48              | 63.89                   | 38.074            |                    |         |
| 10,300.00                    | 7,070.24            | 6,625.00            | 6,506.76            | 102.44          | 30.54       | -3.64                 | 394.27                            | 318.03     | 2,529.84             | 2,465.87              | 63.97                   | 39.544            |                    |         |
| 10,400.00                    | 7,070.25            | 6,625.00            | 6,506.76            | 105.13          | 30.54       | -3.64                 | 394.27                            | 318.03     | 2,627.51             | 2,563.46              | 64.06                   | 41.019            |                    |         |
| 10,500.00                    | 7,070.26            | 6,625.00            | 6,506.76            | 107.83          | 30.54       | -3.64                 | 394.27                            | 318.03     | 2,725.35             | 2,661.22              | 64.13                   | 42.498            |                    |         |
| 10,600.00                    | 7,070.27            | 6,625.00            | 6,506.76            | 110.53          | 30.54       | -3.64                 | 394.27                            | 318.03     | 2,823.34             | 2,759.14              | 64.20                   | 43.978            |                    |         |
| 10,700.00                    | 7,070.28            | 6,625.00            | 6,506.76            | 113.24          | 30.54       | -3.64                 | 394.27                            | 318.03     | 2,921.47             | 2,857.20              | 64.26                   | 45.461            |                    |         |
| 10,800.00                    | 7,070.28            | 6,625.00            | 6,506.76            | 115.96          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,019.72             | 2,955.39              | 64.32                   | 46.945            |                    |         |
| 10,900.00                    | 7,070.29            | 6,625.00            | 6,506.76            | 118.69          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,118.08             | 3,053.70              | 64.38                   | 48.431            |                    |         |
| 11,000.00                    | 7,070.30            | 6,625.00            | 6,506.76            | 121.42          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,216.54             | 3,152.10              | 64.44                   | 49.917            |                    |         |
| 11,100.00                    | 7,070.31            | 6,625.00            | 6,506.76            | 124.16          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,315.09             | 3,250.60              | 64.49                   | 51.404            |                    |         |
| 11,200.00                    | 7,070.32            | 6,625.00            | 6,506.76            | 126.90          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,413.73             | 3,349.19              | 64.54                   | 52.891            |                    |         |
| 11,300.00                    | 7,070.33            | 6,625.00            | 6,506.76            | 129.65          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,512.45             | 3,447.85              | 64.59                   | 54.377            |                    |         |
| 11,400.00                    | 7,070.34            | 6,625.00            | 6,506.76            | 132.40          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,611.23             | 3,546.59              | 64.64                   | 55.863            |                    |         |
| 11,500.00                    | 7,070.35            | 6,625.00            | 6,506.76            | 135.16          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,710.08             | 3,645.39              | 64.69                   | 57.349            |                    |         |
| 11,600.00                    | 7,070.36            | 6,625.00            | 6,506.76            | 137.92          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,808.99             | 3,744.25              | 64.74                   | 58.833            |                    |         |
| 11,700.00                    | 7,070.36            | 6,625.00            | 6,506.76            | 140.69          | 30.54       | -3.64                 | 394.27                            | 318.03     | 3,907.97             | 3,843.17              | 64.79                   | 60.317            |                    |         |
| 11,800.00                    | 7,070.37            | 6,625.00            | 6,506.76            | 143.46          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,006.98             | 3,942.14              | 64.84                   | 61.799            |                    |         |
| 11,900.00                    | 7,070.38            | 6,625.00            | 6,506.76            | 146.23          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,106.04             | 4,041.15              | 64.89                   | 63.279            |                    |         |
| 12,000.00                    | 7,070.39            | 6,625.00            | 6,506.76            | 149.01          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,205.15             | 4,140.21              | 64.94                   | 64.758            |                    |         |
| 12,100.00                    | 7,070.40            | 6,625.00            | 6,506.76            | 151.79          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,304.30             | 4,239.32              | 64.98                   | 66.235            |                    |         |
| 12,200.00                    | 7,070.41            | 6,625.00            | 6,506.76            | 154.57          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,403.49             | 4,338.46              | 65.03                   | 67.711            |                    |         |
| 12,300.00                    | 7,070.42            | 6,625.00            | 6,506.76            | 157.35          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,502.71             | 4,437.63              | 65.08                   | 69.184            |                    |         |
| 12,400.00                    | 7,070.43            | 6,625.00            | 6,506.76            | 160.14          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,601.97             | 4,536.84              | 65.13                   | 70.655            |                    |         |
| 12,500.00                    | 7,070.44            | 6,625.00            | 6,506.76            | 162.93          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,701.26             | 4,636.08              | 65.18                   | 72.123            |                    |         |
| 12,600.00                    | 7,070.44            | 6,625.00            | 6,506.76            | 165.72          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,800.58             | 4,735.35              | 65.23                   | 73.589            |                    |         |
| 12,700.00                    | 7,070.45            | 6,625.00            | 6,506.76            | 168.52          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,899.93             | 4,834.64              | 65.29                   | 75.053            |                    |         |
| 12,800.00                    | 7,070.46            | 6,625.00            | 6,506.76            | 171.32          | 30.54       | -3.64                 | 394.27                            | 318.03     | 4,999.30             | 4,933.96              | 65.34                   | 76.514            |                    |         |
| 12,900.00                    | 7,070.47            | 6,625.00            | 6,506.76            | 174.11          | 30.54       | -3.64                 | 394.27                            | 318.03     | 5,098.70             | 5,033.31              | 65.39                   | 77.972            |                    |         |
| 13,000.00                    | 7,070.48            | 6,625.00            | 6,506.76            | 176.92          | 30.54       | -3.64                 | 394.27                            | 318.03     | 5,198.12             | 5,132.67              | 65.44                   | 79.427            |                    |         |
| 13,100.00                    | 7,070.49            | 6,625.00            | 6,506.76            | 179.72          | 30.54       | -3.64                 | 394.27                            | 318.03     | 5,297.56             | 5,232.06              | 65.50                   | 80.880            |                    |         |
| 13,200.00                    | 7,070.50            | 6,625.00            | 6,506.76            | 182.52          | 30.54       | -3.64                 | 394.27                            | 318.03     | 5,397.03             | 5,331.47              | 65.55                   | 82.329            |                    |         |
| 13,300.00                    | 7,070.51            | 6,582.41            | 6,464.82            | 185.33          | 30.37       | -3.70                 | 390.99                            | 311.54     | 5,494.45             | 5,428.82              | 65.63                   | 83.723            |                    |         |
| 13,400.00                    | 7,070.52            | 6,581.56            | 6,463.97            | 188.14          | 30.37       | -3.70                 | 390.94                            | 311.45     | 5,593.87             | 5,528.19              | 65.68                   | 85.164            |                    |         |
| 13,500.00                    | 7,070.52            | 6,580.73            | 6,463.15            | 190.95          | 30.36       | -3.69                 | 390.89                            | 311.36     | 5,693.31             | 5,627.57              | 65.74                   | 86.601            |                    |         |
| 13,600.00                    | 7,070.53            | 6,579.93            | 6,462.35            | 193.76          | 30.36       | -3.69                 | 390.85                            | 311.27     | 5,792.77             | 5,726.97              | 65.80                   | 88.035            |                    |         |
| 13,700.00                    | 7,070.54            | 6,579.15            | 6,461.58            | 196.57          | 30.36       | -3.69                 | 390.80                            | 311.19     | 5,892.24             | 5,826.38              | 65.86                   | 89.466            |                    |         |
| 13,800.00                    | 7,070.55            | 6,578.40            | 6,460.84            | 199.38          | 30.35       | -3.69                 | 390.76                            | 311.12     | 5,991.73             | 5,925.81              | 65.92                   | 90.894            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 342-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,577.67            | 6,460.11            | 202.20          | 30.35       | -3.69                 | 390.72                            | 311.05     | 6,091.24             | 6,025.26              | 65.98                   | 92.317            |                    |         |
| 14,000.00                    | 7,070.57            | 6,576.97            | 6,459.41            | 205.01          | 30.35       | -3.69                 | 390.68                            | 310.98     | 6,190.76             | 6,124.72              | 66.04                   | 93.738            |                    |         |
| 14,100.00                    | 7,070.58            | 6,576.28            | 6,458.73            | 207.83          | 30.35       | -3.69                 | 390.65                            | 310.91     | 6,290.29             | 6,224.19              | 66.11                   | 95.155            |                    |         |
| 14,200.00                    | 7,070.59            | 6,575.61            | 6,458.07            | 210.65          | 30.34       | -3.69                 | 390.61                            | 310.85     | 6,389.84             | 6,323.67              | 66.17                   | 96.568            |                    |         |
| 14,300.00                    | 7,070.60            | 6,574.97            | 6,457.42            | 213.47          | 30.34       | -3.69                 | 390.58                            | 310.79     | 6,489.40             | 6,423.17              | 66.23                   | 97.977            |                    |         |
| 14,400.00                    | 7,070.60            | 6,574.28            | 6,456.73            | 216.29          | 30.17       | -3.57                 | 389.13                            | 308.72     | 6,590.98             | 6,524.67              | 66.32                   | 99.386            |                    |         |
| 14,500.00                    | 7,070.61            | 6,573.61            | 6,456.07            | 219.11          | 30.17       | -3.57                 | 389.13                            | 308.72     | 6,691.51             | 6,625.20              | 66.38                   | 100.787           |                    |         |
| 14,600.00                    | 7,070.62            | 6,572.97            | 6,455.41            | 221.94          | 30.17       | -3.57                 | 389.13                            | 308.72     | 6,792.05             | 6,725.74              | 66.45                   | 102.184           |                    |         |
| 14,700.00                    | 7,070.63            | 6,572.30            | 6,454.73            | 224.76          | 30.17       | -3.57                 | 389.13                            | 308.72     | 6,892.59             | 6,826.28              | 66.52                   | 103.578           |                    |         |
| 14,800.00                    | 7,070.64            | 6,571.61            | 6,454.07            | 227.58          | 30.17       | -3.57                 | 389.13                            | 308.72     | 6,993.13             | 6,926.82              | 66.58                   | 104.967           |                    |         |
| 14,900.00                    | 7,070.65            | 6,570.97            | 6,453.42            | 230.41          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,093.67             | 7,027.36              | 66.65                   | 106.353           |                    |         |
| 15,000.00                    | 7,070.66            | 6,570.30            | 6,452.73            | 233.24          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,194.21             | 7,127.90              | 66.72                   | 107.734           |                    |         |
| 15,100.00                    | 7,070.67            | 6,569.61            | 6,452.07            | 236.06          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,294.75             | 7,228.44              | 66.79                   | 109.112           |                    |         |
| 15,200.00                    | 7,070.68            | 6,568.97            | 6,451.42            | 238.89          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,395.29             | 7,328.98              | 66.86                   | 110.485           |                    |         |
| 15,300.00                    | 7,070.68            | 6,568.30            | 6,450.73            | 241.72          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,495.83             | 7,429.52              | 66.94                   | 111.855           |                    |         |
| 15,400.00                    | 7,070.69            | 6,567.61            | 6,450.07            | 244.55          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,596.37             | 7,530.06              | 67.01                   | 113.220           |                    |         |
| 15,500.00                    | 7,070.70            | 6,566.97            | 6,449.41            | 247.38          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,696.91             | 7,630.60              | 67.08                   | 114.581           |                    |         |
| 15,600.00                    | 7,070.71            | 6,566.30            | 6,448.73            | 250.21          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,797.45             | 7,731.14              | 67.16                   | 115.938           |                    |         |
| 15,700.00                    | 7,070.72            | 6,565.61            | 6,448.07            | 253.04          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,897.99             | 7,831.68              | 67.23                   | 117.290           |                    |         |
| 15,800.00                    | 7,070.73            | 6,564.97            | 6,447.42            | 255.87          | 30.17       | -3.57                 | 389.13                            | 308.72     | 7,998.53             | 7,932.22              | 67.31                   | 118.638           |                    |         |
| 15,900.00                    | 7,070.74            | 6,564.30            | 6,446.73            | 258.71          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,099.07             | 8,032.76              | 67.39                   | 119.982           |                    |         |
| 16,000.00                    | 7,070.75            | 6,563.61            | 6,446.07            | 261.54          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,199.61             | 8,133.30              | 67.46                   | 121.321           |                    |         |
| 16,100.00                    | 7,070.76            | 6,562.97            | 6,445.41            | 264.37          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,299.15             | 8,232.84              | 67.54                   | 122.656           |                    |         |
| 16,200.00                    | 7,070.76            | 6,562.30            | 6,444.73            | 267.21          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,399.69             | 8,332.38              | 67.62                   | 123.986           |                    |         |
| 16,300.00                    | 7,070.77            | 6,561.61            | 6,444.07            | 270.04          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,499.23             | 8,431.92              | 67.70                   | 125.312           |                    |         |
| 16,400.00                    | 7,070.78            | 6,560.97            | 6,443.42            | 272.88          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,599.77             | 8,531.46              | 67.78                   | 126.634           |                    |         |
| 16,500.00                    | 7,070.79            | 6,560.30            | 6,442.73            | 275.71          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,699.31             | 8,631.00              | 67.86                   | 127.951           |                    |         |
| 16,600.00                    | 7,070.80            | 6,559.61            | 6,442.07            | 278.55          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,799.85             | 8,730.54              | 67.95                   | 129.263           |                    |         |
| 16,700.00                    | 7,070.81            | 6,558.97            | 6,441.42            | 281.39          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,899.39             | 8,830.08              | 68.03                   | 130.571           |                    |         |
| 16,800.00                    | 7,070.82            | 6,558.30            | 6,440.73            | 284.22          | 30.17       | -3.57                 | 389.13                            | 308.72     | 8,999.93             | 8,930.62              | 68.11                   | 131.874           |                    |         |
| 16,900.00                    | 7,070.83            | 6,557.61            | 6,440.07            | 287.06          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,099.47             | 9,030.16              | 68.20                   | 133.173           |                    |         |
| 17,000.00                    | 7,070.84            | 6,556.97            | 6,439.41            | 289.90          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,199.01             | 9,129.70              | 68.28                   | 134.467           |                    |         |
| 17,100.00                    | 7,070.84            | 6,556.30            | 6,438.73            | 292.74          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,299.55             | 9,229.24              | 68.37                   | 135.756           |                    |         |
| 17,200.00                    | 7,070.85            | 6,555.61            | 6,438.07            | 295.58          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,399.09             | 9,328.78              | 68.46                   | 137.041           |                    |         |
| 17,300.00                    | 7,070.86            | 6,554.97            | 6,437.42            | 298.42          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,499.63             | 9,428.32              | 68.55                   | 138.320           |                    |         |
| 17,400.00                    | 7,070.87            | 6,554.30            | 6,436.73            | 301.26          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,599.17             | 9,527.86              | 68.63                   | 139.596           |                    |         |
| 17,500.00                    | 7,070.88            | 6,553.61            | 6,436.07            | 304.10          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,699.71             | 9,627.40              | 68.72                   | 140.866           |                    |         |
| 17,600.00                    | 7,070.89            | 6,552.97            | 6,435.41            | 306.94          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,799.25             | 9,726.94              | 68.81                   | 142.132           |                    |         |
| 17,700.00                    | 7,070.90            | 6,552.30            | 6,434.73            | 309.78          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,899.79             | 9,828.48              | 68.90                   | 143.392           |                    |         |
| 17,800.00                    | 7,070.91            | 6,551.61            | 6,434.07            | 312.62          | 30.17       | -3.57                 | 389.13                            | 308.72     | 9,999.33             | 9,928.02              | 69.00                   | 144.648           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 140-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 142.43                | -657.57                           | 505.87     | 829.71               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 80.70               | 80.70               | 3.28            | 3.28        | 142.42                | -657.79                           | 506.25     | 830.08               | 823.51                | 6.57                    | 126.346           |                    |         |
| 200.00                       | 200.00              | 176.12              | 176.11              | 3.34            | 3.31        | 142.38                | -658.56                           | 507.55     | 831.55               | 824.90                | 6.65                    | 125.022           |                    |         |
| 300.00                       | 300.00              | 283.99              | 283.97              | 3.44            | 3.41        | 142.33                | -659.11                           | 508.92     | 832.74               | 825.88                | 6.86                    | 121.458           |                    |         |
| 400.00                       | 399.98              | 401.39              | 401.35              | 3.60            | 3.58        | 69.89                 | -657.99                           | 509.73     | 831.82               | 824.63                | 7.19                    | 115.745           |                    |         |
| 500.00                       | 499.84              | 550.25              | 550.01              | 3.80            | 3.89        | 70.26                 | -650.75                           | 508.85     | 825.93               | 818.20                | 7.73                    | 106.912           |                    |         |
| 600.00                       | 599.45              | 710.75              | 709.27              | 4.04            | 4.31        | 70.89                 | -631.72                           | 504.45     | 811.94               | 803.48                | 8.46                    | 95.926            |                    |         |
| 700.00                       | 698.70              | 873.28              | 867.84              | 4.32            | 4.84        | 71.49                 | -596.83                           | 498.99     | 788.61               | 779.27                | 9.34                    | 84.420            |                    |         |
| 800.00                       | 797.47              | 990.15              | 979.86              | 4.63            | 5.26        | 72.06                 | -563.70                           | 495.83     | 759.27               | 749.22                | 10.05                   | 75.561            |                    |         |
| 900.00                       | 895.62              | 1,105.70            | 1,089.56            | 4.97            | 5.72        | 72.97                 | -527.67                           | 491.44     | 725.98               | 715.18                | 10.80                   | 67.215            |                    |         |
| 924.00                       | 919.08              | 1,128.42            | 1,111.08            | 5.06            | 5.81        | 73.24                 | -520.43                           | 490.38     | 717.62               | 706.66                | 10.96                   | 65.454            |                    |         |
| 1,000.00                     | 993.28              | 1,194.93            | 1,174.11            | 5.34            | 6.10        | 73.61                 | -499.51                           | 487.00     | 691.15               | 679.69                | 11.46                   | 60.306            |                    |         |
| 1,100.00                     | 1,090.92            | 1,280.65            | 1,256.02            | 5.73            | 6.48        | 74.30                 | -474.75                           | 481.87     | 657.86               | 645.72                | 12.14                   | 54.180            |                    |         |
| 1,200.00                     | 1,188.56            | 1,395.69            | 1,365.46            | 6.15            | 7.01        | 75.40                 | -440.38                           | 473.30     | 623.09               | 610.11                | 12.98                   | 48.014            |                    |         |
| 1,300.00                     | 1,286.19            | 1,495.14            | 1,459.02            | 6.57            | 7.50        | 76.18                 | -407.28                           | 466.93     | 586.26               | 572.49                | 13.77                   | 42.570            |                    |         |
| 1,400.00                     | 1,383.83            | 1,577.65            | 1,536.33            | 7.01            | 7.91        | 76.66                 | -378.67                           | 463.63     | 549.70               | 535.16                | 14.54                   | 37.805            |                    |         |
| 1,500.00                     | 1,481.47            | 1,656.46            | 1,611.03            | 7.46            | 8.30        | 77.24                 | -353.65                           | 461.42     | 516.14               | 500.81                | 15.33                   | 33.668            |                    |         |
| 1,600.00                     | 1,579.10            | 1,752.32            | 1,702.03            | 7.91            | 8.78        | 77.95                 | -323.56                           | 459.68     | 483.52               | 467.34                | 16.18                   | 29.885            |                    |         |
| 1,700.00                     | 1,676.74            | 1,848.15            | 1,792.70            | 8.37            | 9.26        | 78.58                 | -292.55                           | 458.94     | 450.66               | 433.62                | 17.04                   | 26.443            |                    |         |
| 1,800.00                     | 1,774.38            | 1,942.61            | 1,882.01            | 8.84            | 9.74        | 79.30                 | -261.79                           | 458.18     | 417.67               | 399.75                | 17.92                   | 23.311            |                    |         |
| 1,900.00                     | 1,872.02            | 2,040.79            | 1,974.91            | 9.31            | 10.25       | 80.40                 | -230.14                           | 455.86     | 384.29               | 365.49                | 18.79                   | 20.446            |                    |         |
| 2,000.00                     | 1,969.65            | 2,134.24            | 2,063.33            | 9.79            | 10.74       | 81.82                 | -200.06                           | 452.64     | 350.59               | 330.91                | 19.69                   | 17.809            |                    |         |
| 2,100.00                     | 2,067.29            | 2,227.94            | 2,152.08            | 10.27           | 11.23       | 83.66                 | -170.25                           | 448.82     | 317.19               | 296.61                | 20.59                   | 15.409            |                    |         |
| 2,200.00                     | 2,164.93            | 2,322.51            | 2,241.74            | 10.75           | 11.74       | 86.26                 | -140.63                           | 443.62     | 284.03               | 262.54                | 21.49                   | 13.218            |                    |         |
| 2,300.00                     | 2,262.56            | 2,417.09            | 2,331.40            | 11.24           | 12.24       | 89.93                 | -111.31                           | 436.70     | 251.18               | 228.77                | 22.40                   | 11.212            |                    |         |
| 2,400.00                     | 2,360.20            | 2,511.67            | 2,420.86            | 11.73           | 12.75       | 94.67                 | -81.48                            | 429.60     | 218.95               | 195.62                | 23.33                   | 9.383             |                    |         |
| 2,500.00                     | 2,457.84            | 2,601.96            | 2,506.36            | 12.22           | 13.24       | 100.67                | -53.30                            | 422.69     | 188.82               | 164.46                | 24.35                   | 7.753             |                    |         |
| 2,600.00                     | 2,555.48            | 2,692.42            | 2,592.50            | 12.71           | 13.72       | 108.21                | -26.29                            | 417.01     | 162.95               | 137.53                | 25.42                   | 6.410             |                    |         |
| 2,700.00                     | 2,653.11            | 2,789.41            | 2,684.96            | 13.20           | 14.23       | 117.53                | 2.85                              | 414.24     | 140.60               | 114.18                | 26.43                   | 5.320             |                    |         |
| 2,800.00                     | 2,750.75            | 2,883.07            | 2,774.12            | 13.70           | 14.72       | 129.11                | 31.50                             | 412.12     | 122.38               | 94.84                 | 27.54                   | 4.443             |                    |         |
| 2,900.00                     | 2,848.39            | 2,978.01            | 2,864.40            | 14.19           | 15.23       | 144.04                | 60.72                             | 409.35     | 111.27               | 82.61                 | 28.66                   | 3.883             |                    |         |
| 2,998.27                     | 2,944.34            | 3,074.48            | 2,955.86            | 14.68           | 15.75       | 160.64                | 91.37                             | 408.39     | 107.59               | 77.92                 | 29.67                   | 3.626 CC, ES      |                    |         |
| 3,000.00                     | 2,946.02            | 3,075.56            | 2,956.89            | 14.69           | 15.75       | 160.83                | 91.70                             | 408.36     | 107.62               | 77.93                 | 29.69                   | 3.625 SF          |                    |         |
| 3,100.00                     | 3,043.66            | 3,169.55            | 3,045.98            | 15.19           | 16.26       | 176.52                | 121.65                            | 408.50     | 112.74               | 82.09                 | 30.64                   | 3.679             |                    |         |
| 3,200.00                     | 3,141.30            | 3,263.02            | 3,134.56            | 15.69           | 16.76       | -169.95               | 151.48                            | 407.99     | 126.83               | 95.35                 | 31.48                   | 4.029             |                    |         |
| 3,300.00                     | 3,238.94            | 3,355.58            | 3,222.22            | 16.19           | 17.26       | -159.40               | 181.15                            | 406.41     | 148.08               | 115.83                | 32.26                   | 4.591             |                    |         |
| 3,400.00                     | 3,336.57            | 3,450.18            | 3,312.04            | 16.69           | 17.77       | -151.69               | 210.71                            | 403.93     | 173.97               | 140.87                | 33.11                   | 5.255             |                    |         |
| 3,500.00                     | 3,434.21            | 3,551.02            | 3,408.23            | 17.19           | 18.30       | -145.83               | 240.98                            | 403.62     | 199.65               | 165.53                | 34.12                   | 5.851             |                    |         |
| 3,600.00                     | 3,531.85            | 3,646.00            | 3,499.24            | 17.69           | 18.80       | -141.89               | 268.16                            | 403.85     | 225.76               | 190.74                | 35.02                   | 6.447             |                    |         |
| 3,700.00                     | 3,629.48            | 3,741.62            | 3,591.15            | 18.20           | 19.29       | -139.00               | 294.51                            | 403.75     | 252.58               | 216.64                | 35.93                   | 7.029             |                    |         |
| 3,800.00                     | 3,727.12            | 3,836.27            | 3,681.91            | 18.70           | 19.78       | -136.53               | 321.38                            | 403.69     | 280.20               | 243.35                | 36.84                   | 7.605             |                    |         |
| 3,900.00                     | 3,824.76            | 3,930.78            | 3,772.09            | 19.21           | 20.28       | -134.18               | 349.63                            | 404.24     | 308.37               | 270.61                | 37.76                   | 8.167             |                    |         |
| 4,000.00                     | 3,922.40            | 4,023.31            | 3,860.08            | 19.71           | 20.78       | -132.11               | 378.29                            | 404.67     | 337.57               | 298.93                | 38.65                   | 8.734             |                    |         |
| 4,100.00                     | 4,020.03            | 4,115.14            | 3,947.03            | 20.21           | 21.28       | -130.22               | 407.80                            | 405.00     | 367.83               | 328.30                | 39.53                   | 9.304             |                    |         |
| 4,200.00                     | 4,117.67            | 4,205.25            | 4,031.83            | 20.72           | 21.78       | -128.45               | 438.26                            | 405.27     | 399.38               | 358.99                | 40.39                   | 9.888             |                    |         |
| 4,300.00                     | 4,215.31            | 4,298.44            | 4,119.17            | 21.23           | 22.30       | -126.77               | 470.79                            | 405.22     | 432.14               | 390.82                | 41.32                   | 10.458            |                    |         |
| 4,400.00                     | 4,312.94            | 4,401.27            | 4,216.60            | 21.73           | 22.86       | -125.57               | 503.62                            | 404.49     | 463.95               | 421.51                | 42.44                   | 10.931            |                    |         |
| 4,500.00                     | 4,410.58            | 4,501.23            | 4,312.23            | 22.24           | 23.39       | -124.89               | 532.71                            | 403.44     | 494.49               | 451.00                | 43.48                   | 11.372            |                    |         |
| 4,600.00                     | 4,508.22            | 4,599.22            | 4,406.31            | 22.75           | 23.90       | -124.40               | 560.08                            | 402.39     | 524.40               | 479.92                | 44.48                   | 11.790            |                    |         |
| 4,700.00                     | 4,605.86            | 4,685.42            | 4,489.28            | 23.25           | 24.35       | -124.14               | 583.38                            | 400.80     | 554.44               | 509.16                | 45.28                   | 12.245            |                    |         |
| 4,800.00                     | 4,703.49            | 4,764.56            | 4,564.90            | 23.76           | 24.78       | -123.86               | 606.51                            | 397.74     | 587.25               | 541.30                | 45.95                   | 12.781            |                    |         |
| 4,900.00                     | 4,801.13            | 4,854.57            | 4,650.42            | 24.27           | 25.27       | -123.49               | 634.31                            | 393.68     | 621.59               | 574.77                | 46.82                   | 13.276            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 140-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                     | 4,898.77            | 4,946.98            | 4,738.39            | 24.77           | 25.77       | -123.22               | 662.24                            | 389.14     | 655.87               | 608.12                | 47.75                   | 13.736            |                    |         |
| 5,100.00                     | 4,996.40            | 5,027.89            | 4,814.99            | 25.28           | 26.22       | -122.96               | 687.86                            | 384.50     | 691.63               | 643.17                | 48.46                   | 14.273            |                    |         |
| 5,200.00                     | 5,094.04            | 5,131.17            | 4,913.10            | 25.79           | 26.79       | -122.78               | 719.38                            | 377.66     | 727.37               | 677.78                | 49.59                   | 14.667            |                    |         |
| 5,300.00                     | 5,191.68            | 5,233.82            | 5,011.31            | 26.30           | 27.34       | -122.80               | 748.32                            | 370.38     | 762.07               | 711.38                | 50.69                   | 15.033            |                    |         |
| 5,400.00                     | 5,289.32            | 5,340.73            | 5,113.68            | 26.81           | 27.90       | -122.70               | 778.72                            | 365.15     | 795.25               | 743.40                | 51.85                   | 15.338            |                    |         |
| 5,500.00                     | 5,386.95            | 5,447.62            | 5,216.86            | 27.32           | 28.45       | -122.82               | 805.92                            | 359.21     | 827.13               | 774.16                | 52.97                   | 15.616            |                    |         |
| 5,600.00                     | 5,484.59            | 5,560.23            | 5,326.76            | 27.83           | 29.00       | -123.33               | 829.10                            | 351.14     | 857.31               | 803.19                | 54.12                   | 15.841            |                    |         |
| 5,700.00                     | 5,582.23            | 5,666.65            | 5,450.91            | 28.33           | 29.59       | -123.96               | 851.77                            | 343.95     | 884.81               | 829.43                | 55.38                   | 15.977            |                    |         |
| 5,800.00                     | 5,679.87            | 5,805.26            | 5,567.61            | 28.84           | 30.13       | -124.36               | 872.77                            | 341.29     | 909.59               | 853.08                | 56.51                   | 16.096            |                    |         |
| 5,900.00                     | 5,777.50            | 5,923.08            | 5,684.08            | 29.35           | 30.65       | -124.85               | 890.46                            | 339.89     | 931.96               | 874.37                | 57.59                   | 16.183            |                    |         |
| 6,000.00                     | 5,875.14            | 6,018.52            | 5,778.58            | 29.86           | 31.07       | -125.25               | 903.87                            | 339.44     | 953.27               | 894.79                | 58.48                   | 16.301            |                    |         |
| 6,100.00                     | 5,972.78            | 6,117.32            | 5,876.45            | 30.37           | 31.50       | -125.70               | 917.33                            | 338.18     | 975.02               | 915.62                | 59.39                   | 16.416            |                    |         |
| 6,200.00                     | 6,070.41            | 6,234.19            | 5,992.34            | 30.88           | 32.00       | -126.21               | 932.33                            | 337.51     | 995.83               | 935.40                | 60.43                   | 16.479            |                    |         |
| 6,300.00                     | 6,168.05            | 6,370.34            | 6,127.81            | 31.39           | 32.55       | -126.89               | 945.62                            | 339.53     | 1,013.13             | 951.61                | 61.52                   | 16.469            |                    |         |
| 6,400.00                     | 6,265.69            | 7,880.38            | 7,073.37            | 31.90           | 40.53       | -85.46                | 983.91                            | 1,239.74   | 1,020.65             | 983.79                | 36.86                   | 27.693            |                    |         |
| 6,439.09                     | 6,303.85            | 7,885.61            | 7,073.13            | 32.10           | 40.61       | -84.95                | 983.84                            | 1,244.97   | 988.38               | 950.17                | 38.21                   | 25.866            |                    |         |
| 6,450.00                     | 6,314.53            | 7,887.02            | 7,073.07            | 32.16           | 40.63       | -81.97                | 983.82                            | 1,246.37   | 979.44               | 940.84                | 38.60                   | 25.372            |                    |         |
| 6,500.00                     | 6,363.83            | 7,891.53            | 7,072.87            | 32.39           | 40.70       | -63.87                | 983.75                            | 1,250.88   | 938.77               | 898.30                | 40.46                   | 23.201            |                    |         |
| 6,550.00                     | 6,413.58            | 7,892.78            | 7,072.82            | 32.60           | 40.72       | -25.19                | 983.73                            | 1,252.12   | 898.82               | 856.40                | 42.42                   | 21.189            |                    |         |
| 6,600.00                     | 6,463.45            | 7,890.60            | 7,072.91            | 32.79           | 40.69       | 40.96                 | 983.76                            | 1,249.95   | 859.98               | 815.51                | 44.47                   | 19.339            |                    |         |
| 6,650.00                     | 6,513.15            | 7,884.88            | 7,073.17            | 32.97           | 40.60       | 72.88                 | 983.85                            | 1,244.23   | 822.64               | 776.03                | 46.61                   | 17.650            |                    |         |
| 6,700.00                     | 6,562.37            | 7,875.48            | 7,073.61            | 33.15           | 40.46       | 86.40                 | 983.97                            | 1,234.85   | 787.16               | 738.33                | 48.83                   | 16.122            |                    |         |
| 6,750.00                     | 6,610.80            | 7,862.31            | 7,074.27            | 33.34           | 40.26       | 93.87                 | 984.13                            | 1,221.69   | 753.89               | 702.80                | 51.09                   | 14.756            |                    |         |
| 6,800.00                     | 6,658.14            | 7,845.30            | 7,075.22            | 33.53           | 40.01       | 98.51                 | 984.31                            | 1,204.71   | 723.14               | 669.77                | 53.37                   | 13.550            |                    |         |
| 6,850.00                     | 6,704.11            | 7,824.27            | 7,076.53            | 33.74           | 39.70       | 101.44                | 984.47                            | 1,183.72   | 695.16               | 639.55                | 55.61                   | 12.500            |                    |         |
| 6,900.00                     | 6,748.42            | 7,794.84            | 7,078.10            | 33.97           | 39.31       | 102.82                | 984.78                            | 1,154.34   | 670.03               | 612.24                | 57.78                   | 11.595            |                    |         |
| 6,950.00                     | 6,790.79            | 7,763.91            | 7,079.00            | 34.21           | 38.91       | 103.45                | 985.36                            | 1,123.43   | 647.80               | 587.89                | 59.91                   | 10.813            |                    |         |
| 7,000.00                     | 6,830.97            | 7,730.86            | 7,079.11            | 34.48           | 38.48       | 103.44                | 986.24                            | 1,090.39   | 628.59               | 566.65                | 61.94                   | 10.148            |                    |         |
| 7,050.00                     | 6,868.71            | 7,636.33            | 7,069.66            | 34.77           | 37.42       | 98.23                 | 987.16                            | 996.47     | 610.78               | 546.95                | 63.83                   | 9.568             |                    |         |
| 7,100.00                     | 6,903.77            | 7,586.12            | 7,058.38            | 35.09           | 36.95       | 96.00                 | 986.24                            | 947.57     | 594.39               | 528.52                | 65.87                   | 9.024             |                    |         |
| 7,150.00                     | 6,935.93            | 7,541.90            | 7,045.39            | 35.44           | 36.58       | 93.90                 | 984.81                            | 905.33     | 580.40               | 512.71                | 67.69                   | 8.575             |                    |         |
| 7,200.00                     | 6,965.01            | 7,518.49            | 7,037.28            | 35.83           | 36.42       | 93.20                 | 984.13                            | 883.38     | 569.48               | 500.23                | 69.25                   | 8.223             |                    |         |
| 7,250.00                     | 6,990.82            | 7,495.25            | 7,028.30            | 36.26           | 36.27       | 92.16                 | 983.84                            | 861.95     | 562.15               | 491.55                | 70.60                   | 7.963             |                    |         |
| 7,300.00                     | 7,013.20            | 7,472.17            | 7,018.48            | 36.72           | 36.14       | 90.81                 | 983.93                            | 841.06     | 558.40               | 486.68                | 71.72                   | 7.786             |                    |         |
| 7,328.54                     | 7,024.39            | 7,459.06            | 7,012.51            | 37.01           | 36.07       | 89.90                 | 984.16                            | 829.40     | 557.83               | 485.57                | 72.26                   | 7.720             |                    |         |
| 7,350.00                     | 7,032.02            | 7,449.06            | 7,007.77            | 37.23           | 36.02       | 89.15                 | 984.41                            | 820.59     | 558.15               | 485.53                | 72.62                   | 7.686             |                    |         |
| 7,400.00                     | 7,047.15            | 7,420.33            | 6,993.57            | 37.77           | 35.89       | 86.83                 | 985.34                            | 795.64     | 561.04               | 487.70                | 73.34                   | 7.650             |                    |         |
| 7,450.00                     | 7,058.51            | 7,391.07            | 6,978.36            | 38.34           | 35.77       | 84.31                 | 986.49                            | 770.67     | 566.61               | 492.74                | 73.86                   | 7.671             |                    |         |
| 7,500.00                     | 7,066.02            | 7,363.38            | 6,963.28            | 38.95           | 35.66       | 81.79                 | 987.76                            | 747.48     | 574.47               | 500.23                | 74.24                   | 7.738             |                    |         |
| 7,550.00                     | 7,069.64            | 7,321.85            | 6,939.54            | 39.58           | 35.53       | 78.38                 | 989.71                            | 713.47     | 584.02               | 509.56                | 74.46                   | 7.844             |                    |         |
| 7,571.20                     | 7,070.00            | 7,304.10            | 6,929.06            | 39.85           | 35.48       | 76.96                 | 990.38                            | 699.16     | 588.33               | 513.82                | 74.51                   | 7.896             |                    |         |
| 7,600.00                     | 7,070.00            | 7,280.26            | 6,914.66            | 40.23           | 35.42       | 75.59                 | 991.12                            | 680.17     | 594.46               | 519.90                | 74.56                   | 7.973             |                    |         |
| 7,700.00                     | 7,070.01            | 7,191.58            | 6,858.62            | 41.64           | 35.20       | 70.39                 | 991.88                            | 611.46     | 618.67               | 544.25                | 74.42                   | 8.314             |                    |         |
| 7,800.00                     | 7,070.02            | 7,116.04            | 6,808.36            | 43.20           | 35.03       | 65.90                 | 989.84                            | 555.11     | 647.48               | 573.37                | 74.11                   | 8.737             |                    |         |
| 7,900.00                     | 7,070.03            | 7,056.38            | 6,766.58            | 44.89           | 34.89       | 62.33                 | 987.02                            | 512.64     | 682.47               | 608.63                | 73.85                   | 9.242             |                    |         |
| 8,000.00                     | 7,070.04            | 7,013.41            | 6,734.84            | 46.69           | 34.79       | 59.73                 | 984.86                            | 483.76     | 724.89               | 651.11                | 73.78                   | 9.825             |                    |         |
| 8,100.00                     | 7,070.05            | 6,979.00            | 6,708.33            | 48.60           | 34.70       | 57.66                 | 983.20                            | 461.89     | 774.53               | 700.77                | 73.77                   | 10.500            |                    |         |
| 8,200.00                     | 7,070.05            | 6,946.64            | 6,682.39            | 50.59           | 34.61       | 55.71                 | 981.67                            | 442.60     | 830.79               | 757.08                | 73.71                   | 11.271            |                    |         |
| 8,300.00                     | 7,070.06            | 6,921.31            | 6,661.34            | 52.66           | 34.54       | 54.19                 | 980.49                            | 428.57     | 892.99               | 819.28                | 73.71                   | 12.114            |                    |         |
| 8,400.00                     | 7,070.07            | 6,885.00            | 6,630.10            | 54.81           | 34.44       | 52.02                 | 978.82                            | 410.14     | 960.51               | 887.07                | 73.45                   | 13.078            |                    |         |
| 8,500.00                     | 7,070.08            | 6,885.00            | 6,630.10            | 57.02           | 34.44       | 52.02                 | 978.82                            | 410.14     | 1,031.87             | 958.10                | 73.77                   | 13.988            |                    |         |
| 8,600.00                     | 7,070.09            | 6,858.98            | 6,607.02            | 59.28           | 34.35       | 50.48                 | 977.39                            | 398.23     | 1,106.95             | 1,033.33              | 73.61                   | 15.037            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 140-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,841.83            | 6,591.52            | 61.60           | 34.29       | 49.47                 | 976.17                            | 391.00     | 1,185.06             | 1,111.51              | 73.56                   | 16.111            |                    |         |
| 8,800.00                     | 7,070.11            | 6,826.84            | 6,577.80            | 63.95           | 34.24       | 48.58                 | 974.93                            | 385.09     | 1,265.75             | 1,192.24              | 73.50                   | 17.220            |                    |         |
| 8,900.00                     | 7,070.12            | 6,790.00            | 6,543.49            | 66.35           | 34.12       | 46.42                 | 971.20                            | 372.23     | 1,349.22             | 1,276.06              | 73.16                   | 18.443            |                    |         |
| 9,000.00                     | 7,070.13            | 6,790.00            | 6,543.49            | 68.79           | 34.12       | 46.42                 | 971.20                            | 372.23     | 1,433.52             | 1,360.26              | 73.26                   | 19.566            |                    |         |
| 9,100.00                     | 7,070.13            | 6,790.00            | 6,543.49            | 71.25           | 34.12       | 46.42                 | 971.20                            | 372.23     | 1,519.73             | 1,446.40              | 73.33                   | 20.724            |                    |         |
| 9,200.00                     | 7,070.14            | 6,790.00            | 6,543.49            | 73.74           | 34.12       | 46.42                 | 971.20                            | 372.23     | 1,607.54             | 1,534.17              | 73.37                   | 21.911            |                    |         |
| 9,300.00                     | 7,070.15            | 6,790.00            | 6,543.49            | 76.26           | 34.12       | 46.42                 | 971.20                            | 372.23     | 1,696.69             | 1,623.32              | 73.38                   | 23.123            |                    |         |
| 9,400.00                     | 7,070.16            | 6,790.00            | 6,543.49            | 78.80           | 34.12       | 46.42                 | 971.20                            | 372.23     | 1,787.00             | 1,713.63              | 73.37                   | 24.355            |                    |         |
| 9,500.00                     | 7,070.17            | 6,790.00            | 6,543.49            | 81.37           | 34.12       | 46.42                 | 971.20                            | 372.23     | 1,878.29             | 1,804.93              | 73.36                   | 25.605            |                    |         |
| 9,600.00                     | 7,070.18            | 6,790.00            | 6,543.49            | 83.95           | 34.12       | 46.42                 | 971.20                            | 372.23     | 1,970.42             | 1,897.09              | 73.33                   | 26.869            |                    |         |
| 9,700.00                     | 7,070.19            | 6,752.88            | 6,508.11            | 86.55           | 33.99       | 44.32                 | 967.33                            | 361.69     | 2,061.62             | 1,988.51              | 73.11                   | 28.197            |                    |         |
| 9,800.00                     | 7,070.20            | 6,748.01            | 6,503.42            | 89.17           | 33.97       | 44.05                 | 966.88                            | 360.49     | 2,154.68             | 2,081.60              | 73.08                   | 29.485            |                    |         |
| 9,900.00                     | 7,070.21            | 6,743.47            | 6,499.03            | 91.80           | 33.95       | 43.80                 | 966.47                            | 359.41     | 2,248.28             | 2,175.24              | 73.04                   | 30.780            |                    |         |
| 10,000.00                    | 7,070.21            | 6,739.22            | 6,494.91            | 94.44           | 33.94       | 43.57                 | 966.10                            | 358.43     | 2,342.37             | 2,269.36              | 73.01                   | 32.083            |                    |         |
| 10,100.00                    | 7,070.22            | 6,735.25            | 6,491.05            | 97.10           | 33.93       | 43.36                 | 965.75                            | 357.54     | 2,436.90             | 2,363.92              | 72.98                   | 33.392            |                    |         |
| 10,200.00                    | 7,070.23            | 6,695.00            | 6,451.61            | 99.77           | 33.78       | 41.29                 | 962.80                            | 350.16     | 2,533.35             | 2,460.53              | 72.82                   | 34.788            |                    |         |
| 10,300.00                    | 7,070.24            | 6,695.00            | 6,451.61            | 102.44          | 33.78       | 41.29                 | 962.80                            | 350.16     | 2,628.32             | 2,555.50              | 72.82                   | 36.094            |                    |         |
| 10,400.00                    | 7,070.25            | 6,695.00            | 6,451.61            | 105.13          | 33.78       | 41.29                 | 962.80                            | 350.16     | 2,723.64             | 2,650.83              | 72.81                   | 37.406            |                    |         |
| 10,500.00                    | 7,070.26            | 6,695.00            | 6,451.61            | 107.83          | 33.78       | 41.29                 | 962.80                            | 350.16     | 2,819.29             | 2,746.49              | 72.81                   | 38.723            |                    |         |
| 10,600.00                    | 7,070.27            | 6,695.00            | 6,451.61            | 110.53          | 33.78       | 41.29                 | 962.80                            | 350.16     | 2,915.23             | 2,842.43              | 72.80                   | 40.044            |                    |         |
| 10,700.00                    | 7,070.28            | 6,695.00            | 6,451.61            | 113.24          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,011.44             | 2,938.64              | 72.80                   | 41.368            |                    |         |
| 10,800.00                    | 7,070.28            | 6,695.00            | 6,451.61            | 115.96          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,107.89             | 3,035.10              | 72.79                   | 42.696            |                    |         |
| 10,900.00                    | 7,070.29            | 6,695.00            | 6,451.61            | 118.69          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,204.55             | 3,131.76              | 72.79                   | 44.027            |                    |         |
| 11,000.00                    | 7,070.30            | 6,695.00            | 6,451.61            | 121.42          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,301.41             | 3,228.63              | 72.78                   | 45.359            |                    |         |
| 11,100.00                    | 7,070.31            | 6,695.00            | 6,451.61            | 124.16          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,398.46             | 3,325.67              | 72.78                   | 46.694            |                    |         |
| 11,200.00                    | 7,070.32            | 6,695.00            | 6,451.61            | 126.90          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,495.67             | 3,422.89              | 72.78                   | 48.030            |                    |         |
| 11,300.00                    | 7,070.33            | 6,695.00            | 6,451.61            | 129.65          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,593.03             | 3,520.25              | 72.78                   | 49.367            |                    |         |
| 11,400.00                    | 7,070.34            | 6,695.00            | 6,451.61            | 132.40          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,690.54             | 3,617.75              | 72.78                   | 50.706            |                    |         |
| 11,500.00                    | 7,070.35            | 6,695.00            | 6,451.61            | 135.16          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,788.17             | 3,715.38              | 72.79                   | 52.044            |                    |         |
| 11,600.00                    | 7,070.36            | 6,695.00            | 6,451.61            | 137.92          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,885.93             | 3,813.13              | 72.79                   | 53.383            |                    |         |
| 11,700.00                    | 7,070.36            | 6,695.00            | 6,451.61            | 140.69          | 33.78       | 41.29                 | 962.80                            | 350.16     | 3,983.79             | 3,910.99              | 72.80                   | 54.723            |                    |         |
| 11,800.00                    | 7,070.37            | 6,695.00            | 6,451.61            | 143.46          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,081.76             | 4,008.95              | 72.81                   | 56.062            |                    |         |
| 11,900.00                    | 7,070.38            | 6,695.00            | 6,451.61            | 146.23          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,179.83             | 4,107.01              | 72.82                   | 57.401            |                    |         |
| 12,000.00                    | 7,070.39            | 6,695.00            | 6,451.61            | 149.01          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,277.98             | 4,205.15              | 72.83                   | 58.739            |                    |         |
| 12,100.00                    | 7,070.40            | 6,695.00            | 6,451.61            | 151.79          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,376.22             | 4,303.38              | 72.84                   | 60.077            |                    |         |
| 12,200.00                    | 7,070.41            | 6,695.00            | 6,451.61            | 154.57          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,474.54             | 4,401.68              | 72.86                   | 61.414            |                    |         |
| 12,300.00                    | 7,070.42            | 6,695.00            | 6,451.61            | 157.35          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,572.93             | 4,500.06              | 72.87                   | 62.751            |                    |         |
| 12,400.00                    | 7,070.43            | 6,695.00            | 6,451.61            | 160.14          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,671.39             | 4,598.50              | 72.89                   | 64.086            |                    |         |
| 12,500.00                    | 7,070.44            | 6,695.00            | 6,451.61            | 162.93          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,769.91             | 4,697.00              | 72.91                   | 65.420            |                    |         |
| 12,600.00                    | 7,070.44            | 6,695.00            | 6,451.61            | 165.72          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,868.49             | 4,795.56              | 72.93                   | 66.753            |                    |         |
| 12,700.00                    | 7,070.45            | 6,695.00            | 6,451.61            | 168.52          | 33.78       | 41.29                 | 962.80                            | 350.16     | 4,967.13             | 4,894.18              | 72.96                   | 68.084            |                    |         |
| 12,800.00                    | 7,070.46            | 6,695.00            | 6,451.61            | 171.32          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,065.83             | 4,992.85              | 72.98                   | 69.414            |                    |         |
| 12,900.00                    | 7,070.47            | 6,695.00            | 6,451.61            | 174.11          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,164.57             | 5,091.56              | 73.01                   | 70.742            |                    |         |
| 13,000.00                    | 7,070.48            | 6,695.00            | 6,451.61            | 176.92          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,263.36             | 5,190.33              | 73.03                   | 72.068            |                    |         |
| 13,100.00                    | 7,070.49            | 6,695.00            | 6,451.61            | 179.72          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,362.20             | 5,289.14              | 73.06                   | 73.393            |                    |         |
| 13,200.00                    | 7,070.50            | 6,695.00            | 6,451.61            | 182.52          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,461.07             | 5,387.98              | 73.09                   | 74.716            |                    |         |
| 13,300.00                    | 7,070.51            | 6,695.00            | 6,451.61            | 185.33          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,559.99             | 5,486.87              | 73.12                   | 76.036            |                    |         |
| 13,400.00                    | 7,070.52            | 6,695.00            | 6,451.61            | 188.14          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,658.95             | 5,585.79              | 73.16                   | 77.355            |                    |         |
| 13,500.00                    | 7,070.52            | 6,695.00            | 6,451.61            | 190.95          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,757.94             | 5,684.75              | 73.19                   | 78.671            |                    |         |
| 13,600.00                    | 7,070.53            | 6,695.00            | 6,451.61            | 193.76          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,856.97             | 5,783.74              | 73.23                   | 79.986            |                    |         |
| 13,700.00                    | 7,070.54            | 6,695.00            | 6,451.61            | 196.57          | 33.78       | 41.29                 | 962.80                            | 350.16     | 5,956.03             | 5,882.76              | 73.26                   | 81.297            |                    |         |
| 13,800.00                    | 7,070.55            | 6,695.00            | 6,451.61            | 199.38          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,055.12             | 5,981.82              | 73.30                   | 82.607            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 140-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,695.00            | 6,451.61            | 202.20          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,154.24             | 6,080.90              | 73.34                   | 83.914            |                    |         |
| 14,000.00                    | 7,070.57            | 6,695.00            | 6,451.61            | 205.01          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,253.38             | 6,180.00              | 73.38                   | 85.219            |                    |         |
| 14,100.00                    | 7,070.58            | 6,695.00            | 6,451.61            | 207.83          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,352.56             | 6,279.13              | 73.42                   | 86.521            |                    |         |
| 14,200.00                    | 7,070.59            | 6,695.00            | 6,451.61            | 210.65          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,451.76             | 6,378.29              | 73.47                   | 87.820            |                    |         |
| 14,300.00                    | 7,070.60            | 6,695.00            | 6,451.61            | 213.47          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,550.98             | 6,477.47              | 73.51                   | 89.117            |                    |         |
| 14,400.00                    | 7,070.60            | 6,695.00            | 6,451.61            | 216.29          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,650.23             | 6,576.67              | 73.56                   | 90.411            |                    |         |
| 14,500.00                    | 7,070.61            | 6,695.00            | 6,451.61            | 219.11          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,749.50             | 6,675.89              | 73.60                   | 91.702            |                    |         |
| 14,600.00                    | 7,070.62            | 6,695.00            | 6,451.61            | 221.94          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,848.79             | 6,775.14              | 73.65                   | 92.990            |                    |         |
| 14,700.00                    | 7,070.63            | 6,695.00            | 6,451.61            | 224.76          | 33.78       | 41.29                 | 962.80                            | 350.16     | 6,948.10             | 6,874.40              | 73.70                   | 94.276            |                    |         |
| 14,800.00                    | 7,070.64            | 6,695.00            | 6,451.61            | 227.58          | 33.78       | 41.29                 | 962.80                            | 350.16     | 7,047.43             | 6,973.68              | 73.75                   | 95.558            |                    |         |
| 14,900.00                    | 7,070.65            | 6,695.00            | 6,451.61            | 230.41          | 33.78       | 41.29                 | 962.80                            | 350.16     | 7,146.78             | 7,072.98              | 73.80                   | 96.838            |                    |         |
| 15,000.00                    | 7,070.66            | 6,695.00            | 6,451.61            | 233.24          | 33.78       | 41.29                 | 962.80                            | 350.16     | 7,246.15             | 7,172.29              | 73.85                   | 98.114            |                    |         |
| 15,100.00                    | 7,070.67            | 6,695.00            | 6,451.61            | 236.06          | 33.78       | 41.29                 | 962.80                            | 350.16     | 7,345.53             | 7,271.62              | 73.91                   | 99.388            |                    |         |
| 15,200.00                    | 7,070.68            | 6,652.58            | 6,409.54            | 238.89          | 33.62       | 39.27                 | 960.44                            | 345.27     | 7,443.45             | 7,369.50              | 73.95                   | 100.658           |                    |         |
| 15,300.00                    | 7,070.68            | 6,651.90            | 6,408.87            | 241.72          | 33.62       | 39.24                 | 960.41                            | 345.21     | 7,542.82             | 7,468.82              | 74.00                   | 101.925           |                    |         |
| 15,400.00                    | 7,070.69            | 6,651.24            | 6,408.21            | 244.55          | 33.62       | 39.21                 | 960.37                            | 345.16     | 7,642.21             | 7,568.15              | 74.06                   | 103.189           |                    |         |
| 15,500.00                    | 7,070.70            | 6,650.60            | 6,407.57            | 247.38          | 33.62       | 39.18                 | 960.34                            | 345.11     | 7,741.61             | 7,667.49              | 74.12                   | 104.449           |                    |         |
| 15,600.00                    | 7,070.71            | 6,649.97            | 6,406.94            | 250.21          | 33.61       | 39.15                 | 960.31                            | 345.06     | 7,841.03             | 7,766.85              | 74.18                   | 105.707           |                    |         |
| 15,700.00                    | 7,070.72            | 6,649.35            | 6,406.33            | 253.04          | 33.61       | 39.12                 | 960.28                            | 345.01     | 7,940.46             | 7,866.22              | 74.24                   | 106.961           |                    |         |
| 15,800.00                    | 7,070.73            | 6,648.75            | 6,405.73            | 255.87          | 33.61       | 39.10                 | 960.25                            | 344.96     | 8,039.90             | 7,965.60              | 74.30                   | 108.212           |                    |         |
| 15,900.00                    | 7,070.74            | 6,648.16            | 6,405.14            | 258.71          | 33.61       | 39.07                 | 960.22                            | 344.91     | 8,139.36             | 8,065.00              | 74.36                   | 109.459           |                    |         |
| 16,000.00                    | 7,070.75            | 6,647.58            | 6,404.57            | 261.54          | 33.61       | 39.05                 | 960.20                            | 344.87     | 8,238.83             | 8,164.40              | 74.42                   | 110.703           |                    |         |
| 16,100.00                    | 7,070.76            | 6,647.02            | 6,404.01            | 264.37          | 33.60       | 39.02                 | 960.17                            | 344.83     | 8,338.31             | 8,263.82              | 74.49                   | 111.944           |                    |         |
| 16,200.00                    | 7,070.76            | 6,646.47            | 6,403.46            | 267.21          | 33.60       | 38.99                 | 960.14                            | 344.79     | 8,437.80             | 8,363.25              | 74.55                   | 113.181           |                    |         |
| 16,300.00                    | 7,070.77            | 6,645.93            | 6,402.92            | 270.04          | 33.60       | 38.97                 | 960.12                            | 344.74     | 8,537.31             | 8,462.69              | 74.62                   | 114.415           |                    |         |
| 16,400.00                    | 7,070.78            | 6,645.41            | 6,402.40            | 272.88          | 33.60       | 38.95                 | 960.09                            | 344.71     | 8,636.82             | 8,562.14              | 74.68                   | 115.645           |                    |         |
| 16,500.00                    | 7,070.79            | 6,644.89            | 6,401.88            | 275.71          | 33.60       | 38.92                 | 960.07                            | 344.67     | 8,736.35             | 8,661.60              | 74.75                   | 116.872           |                    |         |
| 16,600.00                    | 7,070.80            | 6,644.38            | 6,401.38            | 278.55          | 33.59       | 38.90                 | 960.05                            | 344.63     | 8,835.88             | 8,761.06              | 74.82                   | 118.095           |                    |         |
| 16,700.00                    | 7,070.81            | 6,601.00            | 6,358.07            | 281.39          | 33.43       | 37.04                 | 958.31                            | 342.92     | 8,936.92             | 8,862.04              | 74.88                   | 119.346           |                    |         |
| 16,800.00                    | 7,070.82            | 6,601.00            | 6,358.07            | 284.22          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,036.44             | 8,961.49              | 74.95                   | 120.562           |                    |         |
| 16,900.00                    | 7,070.83            | 6,601.00            | 6,358.07            | 287.06          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,135.97             | 9,060.95              | 75.02                   | 121.774           |                    |         |
| 17,000.00                    | 7,070.84            | 6,601.00            | 6,358.07            | 289.90          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,235.52             | 9,160.42              | 75.10                   | 122.983           |                    |         |
| 17,100.00                    | 7,070.84            | 6,601.00            | 6,358.07            | 292.74          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,335.07             | 9,259.90              | 75.17                   | 124.188           |                    |         |
| 17,200.00                    | 7,070.85            | 6,601.00            | 6,358.07            | 295.58          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,434.63             | 9,359.39              | 75.24                   | 125.389           |                    |         |
| 17,300.00                    | 7,070.86            | 6,601.00            | 6,358.07            | 298.42          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,534.20             | 9,458.88              | 75.32                   | 126.587           |                    |         |
| 17,400.00                    | 7,070.87            | 6,601.00            | 6,358.07            | 301.26          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,633.78             | 9,558.39              | 75.39                   | 127.781           |                    |         |
| 17,500.00                    | 7,070.88            | 6,601.00            | 6,358.07            | 304.10          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,733.37             | 9,657.90              | 75.47                   | 128.971           |                    |         |
| 17,600.00                    | 7,070.89            | 6,601.00            | 6,358.07            | 306.94          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,832.96             | 9,757.42              | 75.55                   | 130.157           |                    |         |
| 17,700.00                    | 7,070.90            | 6,601.00            | 6,358.07            | 309.78          | 33.43       | 37.04                 | 958.31                            | 342.92     | 9,932.57             | 9,856.94              | 75.62                   | 131.340           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 437-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 143.26                | -677.60                           | 505.87     | 845.68               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 97.70               | 97.69               | 3.28            | 3.29        | 143.25                | -677.14                           | 505.65     | 845.15               | 838.58                | 6.57                    | 128.593           |                    |         |
| 200.00                       | 200.00              | 207.44              | 207.42              | 3.34            | 3.31        | 143.23                | -675.51                           | 504.88     | 843.54               | 836.89                | 6.65                    | 126.838           |                    |         |
| 300.00                       | 300.00              | 317.13              | 317.07              | 3.44            | 3.36        | 143.18                | -672.72                           | 503.56     | 840.78               | 833.98                | 6.80                    | 123.597           |                    |         |
| 400.00                       | 399.98              | 426.69              | 426.54              | 3.60            | 3.42        | 70.83                 | -668.76                           | 501.69     | 836.29               | 829.27                | 7.02                    | 119.099           |                    |         |
| 500.00                       | 499.84              | 552.63              | 552.22              | 3.80            | 3.60        | 71.25                 | -661.23                           | 499.08     | 828.55               | 821.13                | 7.43                    | 111.575           |                    |         |
| 600.00                       | 599.45              | 674.01              | 672.96              | 4.04            | 3.86        | 71.78                 | -649.06                           | 497.20     | 816.77               | 808.83                | 7.94                    | 102.870           |                    |         |
| 700.00                       | 698.70              | 801.39              | 799.03              | 4.32            | 4.20        | 72.44                 | -630.92                           | 496.12     | 800.98               | 792.41                | 8.57                    | 93.451            |                    |         |
| 800.00                       | 797.47              | 935.16              | 930.34              | 4.63            | 4.61        | 73.34                 | -605.50                           | 494.60     | 780.15               | 770.84                | 9.32                    | 83.736            |                    |         |
| 900.00                       | 895.62              | 1,059.58            | 1,051.22            | 4.97            | 5.04        | 74.52                 | -576.24                           | 491.53     | 753.88               | 743.79                | 10.09                   | 74.719            |                    |         |
| 924.00                       | 919.08              | 1,086.14            | 1,076.94            | 5.06            | 5.14        | 74.86                 | -569.66                           | 490.57     | 747.07               | 736.81                | 10.26                   | 72.791            |                    |         |
| 1,000.00                     | 993.28              | 1,156.59            | 1,145.14            | 5.34            | 5.41        | 75.46                 | -552.26                           | 487.72     | 725.36               | 714.59                | 10.77                   | 67.345            |                    |         |
| 1,100.00                     | 1,090.92            | 1,262.65            | 1,247.84            | 5.73            | 5.83        | 76.50                 | -526.30                           | 482.56     | 696.70               | 685.16                | 11.54                   | 60.390            |                    |         |
| 1,200.00                     | 1,188.56            | 1,385.31            | 1,365.72            | 6.15            | 6.36        | 77.86                 | -493.39                           | 474.36     | 665.31               | 652.92                | 12.39                   | 53.682            |                    |         |
| 1,300.00                     | 1,286.19            | 1,479.67            | 1,455.70            | 6.57            | 6.79        | 78.83                 | -465.53                           | 468.87     | 632.31               | 619.14                | 13.17                   | 48.026            |                    |         |
| 1,400.00                     | 1,383.83            | 1,576.53            | 1,547.67            | 7.01            | 7.25        | 79.84                 | -435.65                           | 463.50     | 598.48               | 584.51                | 13.97                   | 42.835            |                    |         |
| 1,500.00                     | 1,481.47            | 1,654.02            | 1,621.56            | 7.46            | 7.62        | 80.69                 | -412.52                           | 460.23     | 566.33               | 551.57                | 14.75                   | 38.391            |                    |         |
| 1,600.00                     | 1,579.10            | 1,740.32            | 1,704.33            | 7.91            | 8.03        | 81.70                 | -388.26                           | 457.75     | 536.47               | 520.90                | 15.57                   | 34.446            |                    |         |
| 1,700.00                     | 1,676.74            | 1,828.56            | 1,789.43            | 8.37            | 8.45        | 83.01                 | -365.14                           | 454.49     | 508.16               | 491.74                | 16.42                   | 30.947            |                    |         |
| 1,800.00                     | 1,774.38            | 1,925.51            | 1,883.17            | 8.84            | 8.91        | 84.76                 | -340.79                           | 450.05     | 480.77               | 463.48                | 17.29                   | 27.799            |                    |         |
| 1,900.00                     | 1,872.02            | 2,029.66            | 1,983.52            | 9.31            | 9.41        | 86.83                 | -313.36                           | 445.07     | 452.65               | 434.47                | 18.18                   | 24.895            |                    |         |
| 2,000.00                     | 1,969.65            | 2,127.22            | 2,077.12            | 9.79            | 9.90        | 88.97                 | -286.24                           | 440.37     | 423.71               | 404.63                | 19.08                   | 22.211            |                    |         |
| 2,100.00                     | 2,067.29            | 2,218.54            | 2,164.73            | 10.27           | 10.35       | 91.14                 | -260.78                           | 436.72     | 395.54               | 375.55                | 19.99                   | 19.789            |                    |         |
| 2,200.00                     | 2,164.93            | 2,323.22            | 2,264.62            | 10.75           | 10.89       | 93.78                 | -229.66                           | 433.42     | 366.48               | 345.60                | 20.88                   | 17.553            |                    |         |
| 2,300.00                     | 2,262.56            | 2,411.52            | 2,348.94            | 11.24           | 11.34       | 96.48                 | -203.63                           | 430.12     | 338.26               | 316.43                | 21.83                   | 15.494            |                    |         |
| 2,400.00                     | 2,360.20            | 2,505.67            | 2,439.00            | 11.73           | 11.82       | 99.79                 | -176.39                           | 426.94     | 311.61               | 288.83                | 22.78                   | 13.681            |                    |         |
| 2,500.00                     | 2,457.84            | 2,594.72            | 2,524.53            | 12.22           | 12.27       | 103.50                | -151.84                           | 423.81     | 287.45               | 263.69                | 23.76                   | 12.097            |                    |         |
| 2,600.00                     | 2,555.48            | 2,693.39            | 2,619.36            | 12.71           | 12.77       | 108.02                | -124.67                           | 421.61     | 265.00               | 240.30                | 24.71                   | 10.726            |                    |         |
| 2,700.00                     | 2,653.11            | 2,792.09            | 2,713.85            | 13.20           | 13.28       | 113.27                | -96.22                            | 419.71     | 243.07               | 217.41                | 25.66                   | 9.474             |                    |         |
| 2,800.00                     | 2,750.75            | 2,890.51            | 2,807.53            | 13.70           | 13.79       | 119.40                | -66.09                            | 418.34     | 221.55               | 194.93                | 26.62                   | 8.324             |                    |         |
| 2,900.00                     | 2,848.39            | 2,983.63            | 2,896.07            | 14.19           | 14.28       | 126.37                | -37.26                            | 416.84     | 202.65               | 175.00                | 27.65                   | 7.329             |                    |         |
| 3,000.00                     | 2,946.02            | 3,074.61            | 2,982.88            | 14.69           | 14.76       | 134.25                | -10.09                            | 415.02     | 188.73               | 160.02                | 28.71                   | 6.573             |                    |         |
| 3,100.00                     | 3,043.66            | 3,166.58            | 3,071.38            | 15.19           | 15.23       | 142.69                | 14.83                             | 413.18     | 181.81               | 152.08                | 29.73                   | 6.116             |                    |         |
| 3,200.00                     | 3,141.30            | 3,264.83            | 3,165.69            | 15.69           | 15.74       | 152.29                | 42.31                             | 411.21     | 179.17               | 148.48                | 30.69                   | 5.839             |                    |         |
| 3,212.96                     | 3,153.95            | 3,277.29            | 3,177.61            | 15.75           | 15.80       | 153.56                | 45.93                             | 410.94     | 179.13               | 148.32                | 30.81                   | 5.814 CC, ES      |                    |         |
| 3,300.00                     | 3,238.94            | 3,358.68            | 3,255.37            | 16.19           | 16.23       | 161.87                | 69.89                             | 408.97     | 181.26               | 149.63                | 31.62                   | 5.732             |                    |         |
| 3,400.00                     | 3,336.57            | 3,449.93            | 3,343.29            | 16.69           | 16.70       | 170.10                | 94.18                             | 406.65     | 190.23               | 157.75                | 32.49                   | 5.856             |                    |         |
| 3,500.00                     | 3,434.21            | 3,542.16            | 3,432.34            | 17.19           | 17.17       | 177.53                | 117.88                            | 402.85     | 205.10               | 171.79                | 33.31                   | 6.158             |                    |         |
| 3,600.00                     | 3,531.85            | 3,635.92            | 3,522.33            | 17.69           | 17.65       | -175.44               | 143.64                            | 397.57     | 224.29               | 190.15                | 34.14                   | 6.570             |                    |         |
| 3,700.00                     | 3,629.48            | 3,731.78            | 3,614.40            | 18.20           | 18.15       | -169.43               | 169.83                            | 392.35     | 246.31               | 211.29                | 35.02                   | 7.033             |                    |         |
| 3,800.00                     | 3,727.12            | 3,828.80            | 3,707.87            | 18.70           | 18.66       | -164.56               | 195.45                            | 387.99     | 269.68               | 233.75                | 35.94                   | 7.504             |                    |         |
| 3,900.00                     | 3,824.76            | 3,924.25            | 3,799.33            | 19.21           | 19.16       | -160.15               | 222.49                            | 384.28     | 294.11               | 257.27                | 36.84                   | 7.983             |                    |         |
| 4,000.00                     | 3,922.40            | 4,015.45            | 3,885.26            | 19.71           | 19.66       | -155.72               | 252.80                            | 380.82     | 320.42               | 282.75                | 37.68                   | 8.505             |                    |         |
| 4,100.00                     | 4,020.03            | 4,104.65            | 3,968.26            | 20.21           | 20.17       | -151.53               | 285.25                            | 376.80     | 349.68               | 311.20                | 38.48                   | 9.087             |                    |         |
| 4,200.00                     | 4,117.67            | 4,195.13            | 4,052.50            | 20.72           | 20.69       | -147.96               | 317.93                            | 372.21     | 381.03               | 341.71                | 39.32                   | 9.689             |                    |         |
| 4,300.00                     | 4,215.31            | 4,292.39            | 4,143.79            | 21.23           | 21.24       | -145.05               | 350.94                            | 366.22     | 413.96               | 373.63                | 40.33                   | 10.264            |                    |         |
| 4,400.00                     | 4,312.94            | 4,399.58            | 4,246.24            | 21.73           | 21.81       | -142.95               | 382.05                            | 361.59     | 444.31               | 402.79                | 41.52                   | 10.702            |                    |         |
| 4,500.00                     | 4,410.58            | 4,495.87            | 4,339.32            | 22.24           | 22.31       | -141.77               | 406.35                            | 357.30     | 473.92               | 431.45                | 42.47                   | 11.160            |                    |         |
| 4,600.00                     | 4,508.22            | 4,591.38            | 4,431.57            | 22.75           | 22.80       | -140.70               | 430.73                            | 353.24     | 503.60               | 460.20                | 43.40                   | 11.603            |                    |         |
| 4,700.00                     | 4,605.86            | 4,690.08            | 4,526.75            | 23.25           | 23.31       | -139.62               | 456.59                            | 349.63     | 533.16               | 488.76                | 44.40                   | 12.008            |                    |         |
| 4,800.00                     | 4,703.49            | 4,787.60            | 4,620.66            | 23.76           | 23.81       | -138.57               | 482.73                            | 347.10     | 562.16               | 516.79                | 45.37                   | 12.390            |                    |         |
| 4,900.00                     | 4,801.13            | 4,881.07            | 4,711.13            | 24.27           | 24.29       | -137.86               | 506.02                            | 343.91     | 591.27               | 544.99                | 46.28                   | 12.776            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 437-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                     | 4,898.77            | 4,972.72            | 4,799.62            | 24.77           | 24.76       | -137.16               | 529.68                            | 340.64     | 620.96               | 573.80                | 47.16                   | 13.167            |                    |         |
| 5,100.00                     | 4,996.40            | 5,065.64            | 4,889.23            | 25.28           | 25.24       | -136.50               | 553.96                            | 336.94     | 651.22               | 603.16                | 48.07                   | 13.548            |                    |         |
| 5,200.00                     | 5,094.04            | 5,160.03            | 4,980.19            | 25.79           | 25.73       | -135.87               | 578.88                            | 333.12     | 681.73               | 632.74                | 49.00                   | 13.913            |                    |         |
| 5,300.00                     | 5,191.68            | 5,262.38            | 5,078.57            | 26.30           | 26.26       | -135.14               | 606.93                            | 329.86     | 712.03               | 661.97                | 50.06                   | 14.224            |                    |         |
| 5,400.00                     | 5,289.32            | 5,358.12            | 5,210.81            | 26.81           | 26.93       | -134.72               | 637.16                            | 327.05     | 739.19               | 687.69                | 51.49                   | 14.355            |                    |         |
| 5,500.00                     | 5,386.95            | 5,510.64            | 5,322.01            | 27.32           | 27.43       | -134.93               | 654.19                            | 325.55     | 762.50               | 709.95                | 52.55                   | 14.510            |                    |         |
| 5,600.00                     | 5,484.59            | 5,623.39            | 5,433.96            | 27.83           | 27.91       | -135.38               | 667.47                            | 324.30     | 784.20               | 730.64                | 53.56                   | 14.641            |                    |         |
| 5,700.00                     | 5,582.23            | 5,746.44            | 5,556.67            | 28.33           | 28.40       | -136.16               | 676.53                            | 323.92     | 803.35               | 748.76                | 54.59                   | 14.716            |                    |         |
| 5,800.00                     | 5,679.87            | 5,837.26            | 5,647.35            | 28.84           | 28.75       | -136.79               | 681.61                            | 324.10     | 821.39               | 765.98                | 55.41                   | 14.824            |                    |         |
| 5,900.00                     | 5,777.50            | 5,922.54            | 5,732.48            | 29.35           | 29.09       | -137.38               | 686.60                            | 323.26     | 840.70               | 784.51                | 56.18                   | 14.963            |                    |         |
| 6,000.00                     | 5,875.14            | 6,024.85            | 5,834.59            | 29.86           | 29.49       | -138.07               | 692.69                            | 321.60     | 860.73               | 803.66                | 57.07                   | 15.081            |                    |         |
| 6,100.00                     | 5,972.78            | 6,142.96            | 5,952.59            | 30.37           | 29.94       | -138.91               | 697.66                            | 321.12     | 879.07               | 821.02                | 58.05                   | 15.144            |                    |         |
| 6,200.00                     | 6,070.41            | 6,238.89            | 6,048.48            | 30.88           | 30.30       | -139.63               | 700.46                            | 321.01     | 896.82               | 837.94                | 58.88                   | 15.231            |                    |         |
| 6,300.00                     | 6,168.05            | 6,341.04            | 6,150.62            | 31.39           | 30.68       | -140.48               | 701.78                            | 320.53     | 914.46               | 854.72                | 59.74                   | 15.307            |                    |         |
| 6,400.00                     | 6,265.69            | 6,441.21            | 6,250.79            | 31.90           | 31.04       | -141.33               | 702.09                            | 320.02     | 931.97               | 871.39                | 60.58                   | 15.384            |                    |         |
| 6,439.09                     | 6,303.85            | 7,904.40            | 7,140.07            | 32.10           | 39.12       | -105.97               | 716.39                            | 1,191.48   | 912.07               | 887.88                | 24.20                   | 37.691            |                    |         |
| 6,450.00                     | 6,314.53            | 7,906.72            | 7,140.08            | 32.16           | 39.16       | -102.07               | 716.43                            | 1,193.80   | 901.92               | 877.51                | 24.41                   | 36.947            |                    |         |
| 6,500.00                     | 6,363.83            | 7,914.84            | 7,140.11            | 32.39           | 39.28       | -78.65                | 716.58                            | 1,201.92   | 855.18               | 829.75                | 25.43                   | 33.630            |                    |         |
| 6,550.00                     | 6,413.58            | 7,918.86            | 7,140.12            | 32.60           | 39.35       | -33.51                | 716.66                            | 1,205.94   | 808.30               | 781.77                | 26.53                   | 30.466            |                    |         |
| 6,600.00                     | 6,463.45            | 7,918.78            | 7,140.12            | 32.79           | 39.34       | 39.00                 | 716.65                            | 1,205.86   | 761.63               | 733.89                | 27.74                   | 27.460            |                    |         |
| 6,650.00                     | 6,513.15            | 7,914.65            | 7,140.11            | 32.97           | 39.28       | 76.27                 | 716.58                            | 1,201.73   | 715.53               | 686.46                | 29.07                   | 24.614            |                    |         |
| 6,700.00                     | 6,562.37            | 7,906.53            | 7,140.08            | 33.15           | 39.16       | 93.83                 | 716.43                            | 1,193.61   | 670.35               | 639.79                | 30.56                   | 21.936            |                    |         |
| 6,750.00                     | 6,610.80            | 7,894.50            | 7,140.03            | 33.34           | 38.97       | 104.21                | 716.20                            | 1,181.58   | 626.45               | 594.23                | 32.23                   | 19.439            |                    |         |
| 6,800.00                     | 6,658.14            | 7,878.68            | 7,139.94            | 33.53           | 38.73       | 110.89                | 715.92                            | 1,165.77   | 584.20               | 550.10                | 34.10                   | 17.134            |                    |         |
| 6,850.00                     | 6,704.11            | 7,860.18            | 7,139.83            | 33.74           | 38.46       | 115.39                | 715.59                            | 1,147.27   | 543.95               | 507.76                | 36.18                   | 15.033            |                    |         |
| 6,900.00                     | 6,748.42            | 7,839.88            | 7,139.74            | 33.97           | 38.18       | 118.45                | 715.31                            | 1,126.97   | 506.12               | 467.62                | 38.50                   | 13.145            |                    |         |
| 6,950.00                     | 6,790.79            | 7,816.29            | 7,139.69            | 34.21           | 37.86       | 120.27                | 715.11                            | 1,103.38   | 471.13               | 430.08                | 41.05                   | 11.476            |                    |         |
| 7,000.00                     | 6,830.97            | 7,789.52            | 7,139.71            | 34.48           | 37.50       | 121.12                | 715.03                            | 1,076.61   | 439.33               | 395.52                | 43.80                   | 10.029            |                    |         |
| 7,050.00                     | 6,868.71            | 7,755.69            | 7,139.78            | 34.77           | 37.06       | 120.78                | 715.10                            | 1,042.79   | 410.96               | 364.23                | 46.73                   | 8.794             |                    |         |
| 7,100.00                     | 6,903.77            | 7,714.05            | 7,139.38            | 35.09           | 36.56       | 119.34                | 714.97                            | 1,001.14   | 385.64               | 335.87                | 49.77                   | 7.748             |                    |         |
| 7,150.00                     | 6,935.93            | 7,670.35            | 7,137.52            | 35.44           | 36.09       | 117.30                | 715.00                            | 957.49     | 363.26               | 310.29                | 52.98                   | 6.857             |                    |         |
| 7,200.00                     | 6,965.01            | 7,627.34            | 7,133.80            | 35.83           | 35.63       | 114.89                | 715.51                            | 914.65     | 343.97               | 287.73                | 56.24                   | 6.116             |                    |         |
| 7,250.00                     | 6,990.82            | 7,570.23            | 7,125.11            | 36.26           | 35.13       | 110.52                | 716.15                            | 858.23     | 327.19               | 267.36                | 59.83                   | 5.469             |                    |         |
| 7,300.00                     | 7,013.20            | 7,520.27            | 7,113.35            | 36.72           | 34.76       | 106.31                | 716.12                            | 809.68     | 312.50               | 249.28                | 63.22                   | 4.943             |                    |         |
| 7,350.00                     | 7,032.02            | 7,480.48            | 7,101.16            | 37.23           | 34.52       | 102.71                | 716.48                            | 771.81     | 301.26               | 235.09                | 66.17                   | 4.553             |                    |         |
| 7,400.00                     | 7,047.15            | 7,443.69            | 7,087.69            | 37.77           | 34.33       | 98.98                 | 717.43                            | 737.60     | 294.15               | 225.53                | 68.62                   | 4.287             |                    |         |
| 7,450.00                     | 7,058.51            | 7,397.78            | 7,068.12            | 38.34           | 34.15       | 93.76                 | 718.89                            | 696.10     | 290.89               | 220.15                | 70.74                   | 4.112             |                    |         |
| 7,478.93                     | 7,063.33            | 7,372.07            | 7,055.96            | 38.69           | 34.06       | 90.72                 | 719.40                            | 673.46     | 290.40               | 218.76                | 71.64                   | 4.054             |                    |         |
| 7,500.00                     | 7,066.02            | 7,354.05            | 7,046.91            | 38.95           | 34.00       | 88.55                 | 719.63                            | 657.87     | 290.65               | 218.53                | 72.12                   | 4.030             |                    |         |
| 7,550.00                     | 7,069.64            | 7,310.46            | 7,023.27            | 39.58           | 33.87       | 83.19                 | 719.68                            | 621.27     | 293.20               | 220.30                | 72.90                   | 4.022 SF          |                    |         |
| 7,571.20                     | 7,070.00            | 7,292.73            | 7,012.84            | 39.85           | 33.82       | 80.96                 | 719.46                            | 606.93     | 295.04               | 221.99                | 73.05                   | 4.039             |                    |         |
| 7,600.00                     | 7,070.00            | 7,269.66            | 6,998.61            | 40.23           | 33.76       | 78.22                 | 718.95                            | 588.79     | 298.33               | 225.21                | 73.12                   | 4.080             |                    |         |
| 7,700.00                     | 7,070.01            | 7,204.49            | 6,954.84            | 41.64           | 33.59       | 70.08                 | 716.81                            | 540.59     | 318.98               | 246.42                | 72.56                   | 4.396             |                    |         |
| 7,800.00                     | 7,070.02            | 7,150.35            | 6,915.39            | 43.20           | 33.44       | 63.33                 | 715.38                            | 503.55     | 355.19               | 283.93                | 71.25                   | 4.985             |                    |         |
| 7,900.00                     | 7,070.03            | 7,102.42            | 6,878.25            | 44.89           | 33.31       | 57.58                 | 714.07                            | 473.29     | 404.77               | 334.93                | 69.83                   | 5.796             |                    |         |
| 8,000.00                     | 7,070.04            | 7,060.00            | 6,843.71            | 46.69           | 33.18       | 52.76                 | 712.63                            | 448.73     | 464.95               | 396.31                | 68.64                   | 6.774             |                    |         |
| 8,100.00                     | 7,070.05            | 7,024.02            | 6,813.39            | 48.60           | 33.07       | 48.92                 | 711.18                            | 429.41     | 533.06               | 465.22                | 67.85                   | 7.857             |                    |         |
| 8,200.00                     | 7,070.05            | 6,990.67            | 6,784.61            | 50.59           | 32.97       | 45.60                 | 709.64                            | 412.63     | 606.99               | 539.70                | 67.28                   | 9.021             |                    |         |
| 8,300.00                     | 7,070.06            | 6,966.00            | 6,762.94            | 52.66           | 32.89       | 43.30                 | 708.37                            | 400.92     | 685.34               | 618.28                | 67.06                   | 10.220            |                    |         |
| 8,400.00                     | 7,070.07            | 6,941.08            | 6,740.66            | 54.81           | 32.81       | 41.10                 | 707.13                            | 389.81     | 767.24               | 700.37                | 66.87                   | 11.473            |                    |         |
| 8,500.00                     | 7,070.08            | 6,922.50            | 6,723.78            | 57.02           | 32.75       | 39.56                 | 706.31                            | 382.09     | 852.03               | 785.19                | 66.84                   | 12.748            |                    |         |
| 8,600.00                     | 7,070.09            | 6,906.03            | 6,708.64            | 59.28           | 32.70       | 38.26                 | 705.67                            | 375.64     | 939.06               | 872.22                | 66.84                   | 14.050            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 437-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,872.00            | 6,676.86            | 61.60           | 32.58       | 35.76                 | 704.60                            | 363.53     | 1,028.35             | 961.75                | 66.59                   | 15.442            |                    |         |
| 8,800.00                     | 7,070.11            | 6,872.00            | 6,676.86            | 63.95           | 32.58       | 35.76                 | 704.60                            | 363.53     | 1,118.18             | 1,051.38              | 66.80                   | 16.739            |                    |         |
| 8,900.00                     | 7,070.12            | 6,872.00            | 6,676.86            | 66.35           | 32.58       | 35.76                 | 704.60                            | 363.53     | 1,209.61             | 1,142.67              | 66.94                   | 18.069            |                    |         |
| 9,000.00                     | 7,070.13            | 6,872.00            | 6,676.86            | 68.79           | 32.58       | 35.76                 | 704.60                            | 363.53     | 1,302.31             | 1,235.26              | 67.04                   | 19.425            |                    |         |
| 9,100.00                     | 7,070.13            | 6,872.00            | 6,676.86            | 71.25           | 32.58       | 35.76                 | 704.60                            | 363.53     | 1,396.01             | 1,328.90              | 67.11                   | 20.803            |                    |         |
| 9,200.00                     | 7,070.14            | 6,834.71            | 6,641.40            | 73.74           | 32.45       | 33.31                 | 703.85                            | 352.07     | 1,489.08             | 1,422.12              | 66.96                   | 22.240            |                    |         |
| 9,300.00                     | 7,070.15            | 6,825.98            | 6,633.00            | 76.26           | 32.42       | 32.78                 | 703.74                            | 349.65     | 1,583.56             | 1,516.58              | 66.98                   | 23.643            |                    |         |
| 9,400.00                     | 7,070.16            | 6,817.92            | 6,625.24            | 78.80           | 32.40       | 32.31                 | 703.66                            | 347.51     | 1,678.54             | 1,611.54              | 67.00                   | 25.054            |                    |         |
| 9,500.00                     | 7,070.17            | 6,810.48            | 6,618.04            | 81.37           | 32.37       | 31.88                 | 703.61                            | 345.60     | 1,773.96             | 1,706.94              | 67.02                   | 26.470            |                    |         |
| 9,600.00                     | 7,070.18            | 6,777.00            | 6,585.45            | 83.95           | 32.25       | 30.08                 | 703.62                            | 337.95     | 1,870.45             | 1,803.49              | 66.95                   | 27.937            |                    |         |
| 9,700.00                     | 7,070.19            | 6,777.00            | 6,585.45            | 86.55           | 32.25       | 30.08                 | 703.62                            | 337.95     | 1,966.29             | 1,899.29              | 67.00                   | 29.347            |                    |         |
| 9,800.00                     | 7,070.20            | 6,777.00            | 6,585.45            | 89.17           | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,062.53             | 1,995.48              | 67.04                   | 30.764            |                    |         |
| 9,900.00                     | 7,070.21            | 6,777.00            | 6,585.45            | 91.80           | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,159.10             | 2,092.03              | 67.08                   | 32.189            |                    |         |
| 10,000.00                    | 7,070.21            | 6,777.00            | 6,585.45            | 94.44           | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,255.98             | 2,188.88              | 67.11                   | 33.618            |                    |         |
| 10,100.00                    | 7,070.22            | 6,777.00            | 6,585.45            | 97.10           | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,353.12             | 2,285.99              | 67.13                   | 35.052            |                    |         |
| 10,200.00                    | 7,070.23            | 6,777.00            | 6,585.45            | 99.77           | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,450.49             | 2,383.33              | 67.15                   | 36.490            |                    |         |
| 10,300.00                    | 7,070.24            | 6,777.00            | 6,585.45            | 102.44          | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,548.06             | 2,480.88              | 67.18                   | 37.931            |                    |         |
| 10,400.00                    | 7,070.25            | 6,777.00            | 6,585.45            | 105.13          | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,645.81             | 2,578.62              | 67.20                   | 39.374            |                    |         |
| 10,500.00                    | 7,070.26            | 6,777.00            | 6,585.45            | 107.83          | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,743.73             | 2,676.51              | 67.22                   | 40.819            |                    |         |
| 10,600.00                    | 7,070.27            | 6,777.00            | 6,585.45            | 110.53          | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,841.79             | 2,774.55              | 67.24                   | 42.266            |                    |         |
| 10,700.00                    | 7,070.28            | 6,777.00            | 6,585.45            | 113.24          | 32.25       | 30.08                 | 703.62                            | 337.95     | 2,939.98             | 2,872.73              | 67.26                   | 43.714            |                    |         |
| 10,800.00                    | 7,070.28            | 6,777.00            | 6,585.45            | 115.96          | 32.25       | 30.08                 | 703.62                            | 337.95     | 3,038.29             | 2,971.02              | 67.28                   | 45.162            |                    |         |
| 10,900.00                    | 7,070.29            | 6,777.00            | 6,585.45            | 118.69          | 32.25       | 30.08                 | 703.62                            | 337.95     | 3,136.71             | 3,069.41              | 67.30                   | 46.611            |                    |         |
| 11,000.00                    | 7,070.30            | 6,777.00            | 6,585.45            | 121.42          | 32.25       | 30.08                 | 703.62                            | 337.95     | 3,235.22             | 3,167.90              | 67.32                   | 48.060            |                    |         |
| 11,100.00                    | 7,070.31            | 6,739.35            | 6,548.42            | 124.16          | 32.12       | 28.25                 | 703.75                            | 331.17     | 3,332.62             | 3,265.28              | 67.34                   | 49.487            |                    |         |
| 11,200.00                    | 7,070.32            | 6,736.69            | 6,545.79            | 126.90          | 32.11       | 28.13                 | 703.75                            | 330.77     | 3,431.14             | 3,363.77              | 67.37                   | 50.931            |                    |         |
| 11,300.00                    | 7,070.33            | 6,734.15            | 6,543.29            | 129.65          | 32.10       | 28.01                 | 703.75                            | 330.39     | 3,529.72             | 3,462.33              | 67.40                   | 52.373            |                    |         |
| 11,400.00                    | 7,070.34            | 6,731.74            | 6,540.89            | 132.40          | 32.09       | 27.90                 | 703.75                            | 330.04     | 3,628.38             | 3,560.95              | 67.42                   | 53.815            |                    |         |
| 11,500.00                    | 7,070.35            | 6,729.43            | 6,538.61            | 135.16          | 32.08       | 27.80                 | 703.75                            | 329.72     | 3,727.09             | 3,659.64              | 67.45                   | 55.256            |                    |         |
| 11,600.00                    | 7,070.36            | 6,727.22            | 6,536.42            | 137.92          | 32.08       | 27.70                 | 703.74                            | 329.41     | 3,825.87             | 3,758.39              | 67.48                   | 56.695            |                    |         |
| 11,700.00                    | 7,070.36            | 6,725.11            | 6,534.33            | 140.69          | 32.07       | 27.61                 | 703.74                            | 329.13     | 3,924.70             | 3,857.19              | 67.51                   | 58.133            |                    |         |
| 11,800.00                    | 7,070.37            | 6,723.09            | 6,532.33            | 143.46          | 32.06       | 27.52                 | 703.74                            | 328.86     | 4,023.58             | 3,956.03              | 67.54                   | 59.569            |                    |         |
| 11,900.00                    | 7,070.38            | 6,721.15            | 6,530.41            | 146.23          | 32.06       | 27.43                 | 703.73                            | 328.61     | 4,122.51             | 4,054.93              | 67.58                   | 61.004            |                    |         |
| 12,000.00                    | 7,070.39            | 6,682.00            | 6,491.46            | 149.01          | 31.92       | 25.78                 | 703.54                            | 324.65     | 4,222.62             | 4,154.99              | 67.63                   | 62.441            |                    |         |
| 12,100.00                    | 7,070.40            | 6,682.00            | 6,491.46            | 151.79          | 31.92       | 25.78                 | 703.54                            | 324.65     | 4,321.52             | 4,253.86              | 67.66                   | 63.870            |                    |         |
| 12,200.00                    | 7,070.41            | 6,682.00            | 6,491.46            | 154.57          | 31.92       | 25.78                 | 703.54                            | 324.65     | 4,420.48             | 4,352.78              | 67.70                   | 65.297            |                    |         |
| 12,300.00                    | 7,070.42            | 6,682.00            | 6,491.46            | 157.35          | 31.92       | 25.78                 | 703.54                            | 324.65     | 4,519.48             | 4,451.74              | 67.74                   | 66.722            |                    |         |
| 12,400.00                    | 7,070.43            | 6,682.00            | 6,491.46            | 160.14          | 31.92       | 25.78                 | 703.54                            | 324.65     | 4,618.52             | 4,550.75              | 67.77                   | 68.146            |                    |         |
| 12,500.00                    | 7,070.44            | 6,682.00            | 6,491.46            | 162.93          | 31.92       | 25.78                 | 703.54                            | 324.65     | 4,717.60             | 4,649.79              | 67.81                   | 69.568            |                    |         |
| 12,600.00                    | 7,070.44            | 6,682.00            | 6,491.46            | 165.72          | 31.92       | 25.78                 | 703.54                            | 324.65     | 4,816.73             | 4,748.87              | 67.85                   | 70.987            |                    |         |
| 12,700.00                    | 7,070.45            | 6,682.00            | 6,491.46            | 168.52          | 31.92       | 25.78                 | 703.54                            | 324.65     | 4,915.88             | 4,847.99              | 67.89                   | 72.405            |                    |         |
| 12,800.00                    | 7,070.46            | 6,682.00            | 6,491.46            | 171.32          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,015.07             | 4,947.14              | 67.94                   | 73.820            |                    |         |
| 12,900.00                    | 7,070.47            | 6,682.00            | 6,491.46            | 174.11          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,114.30             | 5,046.32              | 67.98                   | 75.232            |                    |         |
| 13,000.00                    | 7,070.48            | 6,682.00            | 6,491.46            | 176.92          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,213.55             | 5,145.52              | 68.02                   | 76.642            |                    |         |
| 13,100.00                    | 7,070.49            | 6,682.00            | 6,491.46            | 179.72          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,312.83             | 5,244.76              | 68.07                   | 78.050            |                    |         |
| 13,200.00                    | 7,070.50            | 6,682.00            | 6,491.46            | 182.52          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,412.14             | 5,344.02              | 68.12                   | 79.455            |                    |         |
| 13,300.00                    | 7,070.51            | 6,682.00            | 6,491.46            | 185.33          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,511.47             | 5,443.30              | 68.16                   | 80.857            |                    |         |
| 13,400.00                    | 7,070.52            | 6,682.00            | 6,491.46            | 188.14          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,610.82             | 5,542.61              | 68.21                   | 82.256            |                    |         |
| 13,500.00                    | 7,070.52            | 6,682.00            | 6,491.46            | 190.95          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,710.20             | 5,641.94              | 68.26                   | 83.652            |                    |         |
| 13,600.00                    | 7,070.53            | 6,682.00            | 6,491.46            | 193.76          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,809.60             | 5,741.29              | 68.31                   | 85.045            |                    |         |
| 13,700.00                    | 7,070.54            | 6,682.00            | 6,491.46            | 196.57          | 31.92       | 25.78                 | 703.54                            | 324.65     | 5,909.02             | 5,840.66              | 68.36                   | 86.436            |                    |         |
| 13,800.00                    | 7,070.55            | 6,682.00            | 6,491.46            | 199.38          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,008.46             | 5,940.04              | 68.42                   | 87.823            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 437-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,682.00            | 6,491.46            | 202.20          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,107.92             | 6,039.45              | 68.47                   | 89.206            |                    |         |
| 14,000.00                    | 7,070.57            | 6,682.00            | 6,491.46            | 205.01          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,207.39             | 6,138.87              | 68.52                   | 90.587            |                    |         |
| 14,100.00                    | 7,070.58            | 6,682.00            | 6,491.46            | 207.83          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,306.88             | 6,238.30              | 68.58                   | 91.964            |                    |         |
| 14,200.00                    | 7,070.59            | 6,682.00            | 6,491.46            | 210.65          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,406.39             | 6,337.75              | 68.64                   | 93.338            |                    |         |
| 14,300.00                    | 7,070.60            | 6,682.00            | 6,491.46            | 213.47          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,505.91             | 6,437.22              | 68.69                   | 94.709            |                    |         |
| 14,400.00                    | 7,070.60            | 6,682.00            | 6,491.46            | 216.29          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,605.45             | 6,536.70              | 68.75                   | 96.076            |                    |         |
| 14,500.00                    | 7,070.61            | 6,682.00            | 6,491.46            | 219.11          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,705.00             | 6,636.19              | 68.81                   | 97.439            |                    |         |
| 14,600.00                    | 7,070.62            | 6,682.00            | 6,491.46            | 221.94          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,804.56             | 6,735.69              | 68.87                   | 98.799            |                    |         |
| 14,700.00                    | 7,070.63            | 6,682.00            | 6,491.46            | 224.76          | 31.92       | 25.78                 | 703.54                            | 324.65     | 6,904.14             | 6,835.20              | 68.93                   | 100.155           |                    |         |
| 14,800.00                    | 7,070.64            | 6,682.00            | 6,491.46            | 227.58          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,003.73             | 6,934.73              | 69.00                   | 101.508           |                    |         |
| 14,900.00                    | 7,070.65            | 6,682.00            | 6,491.46            | 230.41          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,103.33             | 7,034.27              | 69.06                   | 102.857           |                    |         |
| 15,000.00                    | 7,070.66            | 6,682.00            | 6,491.46            | 233.24          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,202.94             | 7,133.81              | 69.13                   | 104.202           |                    |         |
| 15,100.00                    | 7,070.67            | 6,682.00            | 6,491.46            | 236.06          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,302.56             | 7,233.37              | 69.19                   | 105.543           |                    |         |
| 15,200.00                    | 7,070.68            | 6,682.00            | 6,491.46            | 238.89          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,402.19             | 7,332.94              | 69.26                   | 106.880           |                    |         |
| 15,300.00                    | 7,070.68            | 6,682.00            | 6,491.46            | 241.72          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,501.83             | 7,432.51              | 69.32                   | 108.214           |                    |         |
| 15,400.00                    | 7,070.69            | 6,682.00            | 6,491.46            | 244.55          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,601.48             | 7,532.09              | 69.39                   | 109.543           |                    |         |
| 15,500.00                    | 7,070.70            | 6,682.00            | 6,491.46            | 247.38          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,701.14             | 7,631.68              | 69.46                   | 110.869           |                    |         |
| 15,600.00                    | 7,070.71            | 6,682.00            | 6,491.46            | 250.21          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,800.81             | 7,731.28              | 69.53                   | 112.191           |                    |         |
| 15,700.00                    | 7,070.72            | 6,682.00            | 6,491.46            | 253.04          | 31.92       | 25.78                 | 703.54                            | 324.65     | 7,900.49             | 7,830.89              | 69.60                   | 113.508           |                    |         |
| 15,800.00                    | 7,070.73            | 6,682.00            | 6,491.46            | 255.87          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,000.18             | 7,930.50              | 69.67                   | 114.822           |                    |         |
| 15,900.00                    | 7,070.74            | 6,682.00            | 6,491.46            | 258.71          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,099.87             | 8,030.12              | 69.75                   | 116.131           |                    |         |
| 16,000.00                    | 7,070.75            | 6,682.00            | 6,491.46            | 261.54          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,199.57             | 8,129.75              | 69.82                   | 117.436           |                    |         |
| 16,100.00                    | 7,070.76            | 6,682.00            | 6,491.46            | 264.37          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,299.28             | 8,229.38              | 69.90                   | 118.738           |                    |         |
| 16,200.00                    | 7,070.76            | 6,682.00            | 6,491.46            | 267.21          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,398.99             | 8,329.02              | 69.97                   | 120.034           |                    |         |
| 16,300.00                    | 7,070.77            | 6,682.00            | 6,491.46            | 270.04          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,498.71             | 8,428.67              | 70.05                   | 121.327           |                    |         |
| 16,400.00                    | 7,070.78            | 6,682.00            | 6,491.46            | 272.88          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,598.44             | 8,528.32              | 70.13                   | 122.616           |                    |         |
| 16,500.00                    | 7,070.79            | 6,682.00            | 6,491.46            | 275.71          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,698.17             | 8,627.97              | 70.20                   | 123.900           |                    |         |
| 16,600.00                    | 7,070.80            | 6,682.00            | 6,491.46            | 278.55          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,797.91             | 8,727.63              | 70.28                   | 125.180           |                    |         |
| 16,700.00                    | 7,070.81            | 6,682.00            | 6,491.46            | 281.39          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,897.66             | 8,827.30              | 70.36                   | 126.456           |                    |         |
| 16,800.00                    | 7,070.82            | 6,682.00            | 6,491.46            | 284.22          | 31.92       | 25.78                 | 703.54                            | 324.65     | 8,997.41             | 8,926.97              | 70.44                   | 127.727           |                    |         |
| 16,900.00                    | 7,070.83            | 6,682.00            | 6,491.46            | 287.06          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,097.17             | 9,026.65              | 70.52                   | 128.994           |                    |         |
| 17,000.00                    | 7,070.84            | 6,682.00            | 6,491.46            | 289.90          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,196.93             | 9,126.33              | 70.61                   | 130.257           |                    |         |
| 17,100.00                    | 7,070.84            | 6,682.00            | 6,491.46            | 292.74          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,296.70             | 9,226.01              | 70.69                   | 131.515           |                    |         |
| 17,200.00                    | 7,070.85            | 6,682.00            | 6,491.46            | 295.58          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,396.47             | 9,325.70              | 70.77                   | 132.769           |                    |         |
| 17,300.00                    | 7,070.86            | 6,682.00            | 6,491.46            | 298.42          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,496.25             | 9,425.39              | 70.86                   | 134.018           |                    |         |
| 17,400.00                    | 7,070.87            | 6,682.00            | 6,491.46            | 301.26          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,596.03             | 9,525.09              | 70.94                   | 135.263           |                    |         |
| 17,500.00                    | 7,070.88            | 6,682.00            | 6,491.46            | 304.10          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,695.82             | 9,624.79              | 71.03                   | 136.503           |                    |         |
| 17,600.00                    | 7,070.89            | 6,682.00            | 6,491.46            | 306.94          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,795.61             | 9,724.49              | 71.12                   | 137.739           |                    |         |
| 17,700.00                    | 7,070.90            | 6,682.00            | 6,491.46            | 309.78          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,895.40             | 9,824.20              | 71.20                   | 138.971           |                    |         |
| 17,800.00                    | 7,070.91            | 6,682.00            | 6,491.46            | 312.62          | 31.92       | 25.78                 | 703.54                            | 324.65     | 9,995.20             | 9,923.91              | 71.29                   | 140.198           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 166-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 148.32                | -817.86                           | 504.76     | 961.14               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 89.20               | 89.20               | 3.28            | 3.29        | 148.33                | -817.98                           | 504.54     | 961.07               | 954.50                | 6.57                    | 146.270           |                    |         |
| 200.00                       | 200.00              | 189.83              | 189.82              | 3.34            | 3.31        | 148.38                | -818.41                           | 503.79     | 961.03               | 954.38                | 6.65                    | 144.507           |                    |         |
| 278.02                       | 278.02              | 269.37              | 269.37              | 3.42            | 3.38        | 148.44                | -818.74                           | 502.99     | 960.91               | 954.11                | 6.80                    | 141.365 CC, ES    |                    |         |
| 300.00                       | 300.00              | 281.14              | 281.13              | 3.44            | 3.39        | 148.44                | -818.89                           | 502.91     | 961.03               | 954.19                | 6.84                    | 140.526           |                    |         |
| 400.00                       | 399.98              | 353.00              | 352.96              | 3.60            | 3.49        | 76.04                 | -820.97                           | 502.98     | 963.05               | 955.95                | 7.10                    | 135.671           |                    |         |
| 500.00                       | 499.84              | 426.92              | 426.74              | 3.80            | 3.61        | 76.31                 | -825.34                           | 503.34     | 967.05               | 959.62                | 7.44                    | 130.032           |                    |         |
| 600.00                       | 599.45              | 500.60              | 500.14              | 4.04            | 3.76        | 76.74                 | -831.76                           | 503.61     | 972.76               | 964.92                | 7.84                    | 124.013           |                    |         |
| 700.00                       | 698.70              | 576.63              | 575.69              | 4.32            | 3.94        | 77.32                 | -840.20                           | 504.76     | 980.45               | 972.14                | 8.31                    | 117.959           |                    |         |
| 800.00                       | 797.47              | 654.52              | 652.88              | 4.63            | 4.14        | 78.05                 | -850.45                           | 506.12     | 989.65               | 980.81                | 8.83                    | 112.032           |                    |         |
| 900.00                       | 895.62              | 727.00              | 724.45              | 4.97            | 4.36        | 78.87                 | -861.90                           | 507.24     | 1,000.81             | 991.42                | 9.39                    | 106.559           |                    |         |
| 924.00                       | 919.08              | 743.47              | 740.66              | 5.06            | 4.41        | 79.07                 | -864.80                           | 507.45     | 1,003.83             | 994.30                | 9.53                    | 105.329           |                    |         |
| 1,000.00                     | 993.28              | 795.07              | 791.29              | 5.34            | 4.58        | 79.93                 | -874.74                           | 507.89     | 1,014.62             | 1,004.64              | 9.98                    | 101.658           |                    |         |
| 1,100.00                     | 1,090.92            | 867.43              | 861.87              | 5.73            | 4.83        | 81.19                 | -890.67                           | 507.90     | 1,031.60             | 1,020.99              | 10.61                   | 97.245            |                    |         |
| 1,200.00                     | 1,188.56            | 940.32              | 932.55              | 6.15            | 5.11        | 82.50                 | -908.47                           | 507.05     | 1,051.23             | 1,039.98              | 11.25                   | 93.430            |                    |         |
| 1,300.00                     | 1,286.19            | 1,009.12            | 998.72              | 6.57            | 5.39        | 83.80                 | -927.20                           | 505.15     | 1,073.79             | 1,061.89              | 11.90                   | 90.226            |                    |         |
| 1,400.00                     | 1,383.83            | 1,091.07            | 1,077.12            | 7.01            | 5.74        | 85.35                 | -950.89                           | 502.41     | 1,098.74             | 1,086.13              | 12.61                   | 87.122            |                    |         |
| 1,500.00                     | 1,481.47            | 1,174.86            | 1,157.11            | 7.46            | 6.12        | 86.88                 | -975.72                           | 499.66     | 1,125.35             | 1,112.01              | 13.35                   | 84.320            |                    |         |
| 1,600.00                     | 1,579.10            | 1,265.77            | 1,243.76            | 7.91            | 6.54        | 88.49                 | -1,003.02                         | 496.52     | 1,153.24             | 1,139.11              | 14.13                   | 81.615            |                    |         |
| 1,700.00                     | 1,676.74            | 1,348.66            | 1,322.80            | 8.37            | 6.94        | 89.87                 | -1,027.87                         | 494.04     | 1,182.08             | 1,167.19              | 14.89                   | 79.400            |                    |         |
| 1,800.00                     | 1,774.38            | 1,433.27            | 1,403.16            | 8.84            | 7.36        | 91.27                 | -1,054.10                         | 490.77     | 1,212.49             | 1,196.82              | 15.66                   | 77.404            |                    |         |
| 1,900.00                     | 1,872.02            | 1,523.43            | 1,488.58            | 9.31            | 7.82        | 92.79                 | -1,082.44                         | 485.24     | 1,243.78             | 1,227.29              | 16.48                   | 75.455            |                    |         |
| 2,000.00                     | 1,969.65            | 1,618.05            | 1,578.12            | 9.79            | 8.31        | 94.37                 | -1,112.22                         | 478.32     | 1,275.80             | 1,258.46              | 17.34                   | 73.570            |                    |         |
| 2,100.00                     | 2,067.29            | 1,717.26            | 1,672.32            | 10.27           | 8.83        | 95.91                 | -1,142.63                         | 471.67     | 1,307.94             | 1,289.70              | 18.24                   | 71.714            |                    |         |
| 2,200.00                     | 2,164.93            | 1,815.49            | 1,765.71            | 10.75           | 9.35        | 97.34                 | -1,172.50                         | 465.67     | 1,340.66             | 1,321.53              | 19.14                   | 70.055            |                    |         |
| 2,300.00                     | 2,262.56            | 1,938.51            | 1,883.59            | 11.24           | 10.00       | 98.98                 | -1,207.07                         | 459.25     | 1,371.79             | 1,351.58              | 20.21                   | 67.882            |                    |         |
| 2,400.00                     | 2,360.20            | 2,044.09            | 1,985.19            | 11.73           | 10.54       | 100.28                | -1,235.34                         | 454.29     | 1,402.37             | 1,381.21              | 21.17                   | 66.256            |                    |         |
| 2,500.00                     | 2,457.84            | 2,154.47            | 2,091.78            | 12.22           | 11.11       | 101.57                | -1,263.60                         | 449.53     | 1,432.38             | 1,410.22              | 22.16                   | 64.640            |                    |         |
| 2,600.00                     | 2,555.48            | 2,244.22            | 2,178.58            | 12.71           | 11.58       | 102.58                | -1,286.08                         | 445.39     | 1,462.31             | 1,439.29              | 23.02                   | 63.532            |                    |         |
| 2,700.00                     | 2,653.11            | 2,311.91            | 2,243.90            | 13.20           | 11.93       | 103.30                | -1,303.58                         | 442.59     | 1,493.46             | 1,469.74              | 23.72                   | 62.954            |                    |         |
| 2,800.00                     | 2,750.75            | 2,428.69            | 2,356.44            | 13.70           | 12.54       | 104.48                | -1,334.47                         | 438.43     | 1,525.72             | 1,500.94              | 24.78                   | 61.569            |                    |         |
| 2,900.00                     | 2,848.39            | 2,512.85            | 2,437.85            | 14.19           | 12.98       | 105.28                | -1,355.69                         | 435.72     | 1,557.02             | 1,531.41              | 25.61                   | 60.808            |                    |         |
| 3,000.00                     | 2,946.02            | 2,593.31            | 2,515.51            | 14.69           | 13.41       | 106.00                | -1,376.58                         | 433.59     | 1,589.33             | 1,562.92              | 26.40                   | 60.193            |                    |         |
| 3,100.00                     | 3,043.66            | 2,665.50            | 2,585.04            | 15.19           | 13.79       | 106.60                | -1,395.94                         | 432.33     | 1,622.74             | 1,595.60              | 27.14                   | 59.793            |                    |         |
| 3,200.00                     | 3,141.30            | 2,745.47            | 2,661.75            | 15.69           | 14.22       | 107.27                | -1,418.47                         | 430.30     | 1,657.68             | 1,629.75              | 27.93                   | 59.342            |                    |         |
| 3,300.00                     | 3,238.94            | 2,845.70            | 2,758.08            | 16.19           | 14.76       | 108.10                | -1,445.98                         | 427.16     | 1,692.25             | 1,663.35              | 28.89                   | 58.567            |                    |         |
| 3,400.00                     | 3,336.57            | 2,913.53            | 2,823.09            | 16.69           | 15.13       | 108.66                | -1,465.11                         | 424.30     | 1,727.90             | 1,698.31              | 29.59                   | 58.395            |                    |         |
| 3,500.00                     | 3,434.21            | 2,993.02            | 2,899.06            | 17.19           | 15.57       | 109.31                | -1,488.22                         | 420.69     | 1,764.70             | 1,734.32              | 30.38                   | 58.082            |                    |         |
| 3,600.00                     | 3,531.85            | 3,122.11            | 3,022.82            | 17.69           | 16.28       | 110.30                | -1,524.51                         | 415.20     | 1,800.70             | 1,769.10              | 31.59                   | 56.996            |                    |         |
| 3,700.00                     | 3,629.48            | 3,194.16            | 3,091.94            | 18.20           | 16.67       | 110.83                | -1,544.59                         | 412.14     | 1,836.81             | 1,804.48              | 32.32                   | 56.823            |                    |         |
| 3,800.00                     | 3,727.12            | 3,282.53            | 3,176.58            | 18.70           | 17.16       | 111.47                | -1,569.68                         | 408.21     | 1,873.66             | 1,840.46              | 33.20                   | 56.442            |                    |         |
| 3,900.00                     | 3,824.76            | 3,414.76            | 3,303.91            | 19.21           | 17.87       | 112.35                | -1,605.03                         | 403.52     | 1,908.70             | 1,874.27              | 34.43                   | 55.430            |                    |         |
| 4,000.00                     | 3,922.40            | 3,478.51            | 3,365.18            | 19.71           | 18.22       | 112.77                | -1,622.44                         | 401.04     | 1,944.81             | 1,909.72              | 35.10                   | 55.412            |                    |         |
| 4,100.00                     | 4,020.03            | 3,605.26            | 3,487.28            | 20.21           | 18.90       | 113.55                | -1,656.17                         | 396.75     | 1,980.28             | 1,943.98              | 36.29                   | 54.565            |                    |         |
| 4,200.00                     | 4,117.67            | 3,684.71            | 3,563.85            | 20.72           | 19.33       | 113.99                | -1,677.31                         | 395.00     | 2,015.86             | 1,978.76              | 37.09                   | 54.349            |                    |         |
| 4,300.00                     | 4,215.31            | 3,752.00            | 3,628.56            | 21.23           | 19.70       | 114.35                | -1,695.70                         | 393.51     | 2,052.30             | 2,014.52              | 37.78                   | 54.317            |                    |         |
| 4,400.00                     | 4,312.94            | 3,823.78            | 3,697.37            | 21.73           | 20.10       | 114.72                | -1,716.05                         | 391.84     | 2,089.85             | 2,051.33              | 38.51                   | 54.261            |                    |         |
| 4,500.00                     | 4,410.58            | 3,898.52            | 3,768.78            | 22.24           | 20.51       | 115.10                | -1,738.10                         | 390.17     | 2,128.51             | 2,089.24              | 39.27                   | 54.200            |                    |         |
| 4,600.00                     | 4,508.22            | 3,982.69            | 3,849.04            | 22.75           | 20.99       | 115.49                | -1,763.37                         | 388.47     | 2,167.75             | 2,127.63              | 40.12                   | 54.037            |                    |         |
| 4,700.00                     | 4,605.86            | 4,066.33            | 3,928.76            | 23.25           | 21.46       | 115.87                | -1,788.64                         | 386.82     | 2,207.26             | 2,166.31              | 40.96                   | 53.892            |                    |         |
| 4,800.00                     | 4,703.49            | 4,144.20            | 4,002.83            | 23.76           | 21.90       | 116.21                | -1,812.61                         | 385.41     | 2,247.37             | 2,205.62              | 41.75                   | 53.835            |                    |         |
| 4,900.00                     | 4,801.13            | 4,232.40            | 4,086.64            | 24.27           | 22.41       | 116.59                | -1,840.02                         | 383.59     | 2,287.88             | 2,245.25              | 42.63                   | 53.665            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 166-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                     | 4,898.77            | 4,354.65            | 4,203.10            | 24.77           | 23.10       | 117.10                | -1,877.12                         | 380.95     | 2,327.81             | 2,283.97              | 43.84                   | 53.097            |                    |         |
| 5,100.00                     | 4,996.40            | 4,451.41            | 4,295.57            | 25.28           | 23.64       | 117.49                | -1,905.54                         | 378.83     | 2,366.94             | 2,322.13              | 44.81                   | 52.826            |                    |         |
| 5,200.00                     | 5,094.04            | 4,535.87            | 4,376.26            | 25.79           | 24.12       | 117.87                | -1,930.19                         | 375.10     | 2,406.46             | 2,360.81              | 45.65                   | 52.711            |                    |         |
| 5,300.00                     | 5,191.68            | 4,646.92            | 4,482.52            | 26.30           | 24.74       | 118.38                | -1,961.91                         | 369.19     | 2,445.76             | 2,399.02              | 46.75                   | 52.319            |                    |         |
| 5,400.00                     | 5,289.32            | 4,827.78            | 4,656.56            | 26.81           | 25.73       | 119.18                | -2,010.22                         | 360.16     | 2,483.67             | 2,435.23              | 48.44                   | 51.273            |                    |         |
| 5,500.00                     | 5,386.95            | 4,885.10            | 4,711.90            | 27.32           | 26.04       | 119.43                | -2,024.84                         | 357.25     | 2,520.23             | 2,471.18              | 49.05                   | 51.379            |                    |         |
| 5,600.00                     | 5,484.59            | 4,997.94            | 4,820.78            | 27.83           | 26.64       | 119.93                | -2,053.67                         | 350.45     | 2,557.33             | 2,507.19              | 50.14                   | 51.005            |                    |         |
| 5,700.00                     | 5,582.23            | 5,079.09            | 4,899.22            | 28.33           | 27.08       | 120.28                | -2,073.96                         | 345.68     | 2,593.94             | 2,542.98              | 50.95                   | 50.908            |                    |         |
| 5,800.00                     | 5,679.87            | 5,175.88            | 4,992.68            | 28.84           | 27.60       | 120.68                | -2,098.53                         | 340.41     | 2,630.90             | 2,578.99              | 51.90                   | 50.689            |                    |         |
| 5,900.00                     | 5,777.50            | 5,272.16            | 5,085.73            | 29.35           | 28.12       | 121.05                | -2,122.78                         | 335.51     | 2,667.66             | 2,614.81              | 52.85                   | 50.477            |                    |         |
| 6,000.00                     | 5,875.14            | 5,704.92            | 5,509.91            | 29.86           | 30.25       | 122.49                | -2,206.44                         | 327.87     | 2,697.17             | 2,640.99              | 56.19                   | 48.002            |                    |         |
| 6,100.00                     | 5,972.78            | 5,950.73            | 5,754.39            | 30.37           | 31.31       | 123.35                | -2,231.39                         | 326.04     | 2,718.40             | 2,660.57              | 57.83                   | 47.005            |                    |         |
| 6,200.00                     | 6,070.41            | 6,088.93            | 5,892.27            | 30.88           | 31.87       | 123.88                | -2,240.37                         | 323.44     | 2,737.32             | 2,678.43              | 58.89                   | 46.483            |                    |         |
| 6,300.00                     | 6,168.05            | 6,318.14            | 6,121.28            | 31.39           | 32.77       | 124.73                | -2,249.02                         | 321.40     | 2,753.79             | 2,693.57              | 60.22                   | 45.727            |                    |         |
| 6,400.00                     | 6,265.69            | 7,925.34            | 7,096.58            | 31.90           | 38.77       | 111.80                | -2,254.28                         | 1,146.55   | 2,762.32             | 2,696.80              | 65.51                   | 42.164            |                    |         |
| 6,439.09                     | 6,303.85            | 7,931.77            | 7,096.49            | 32.10           | 38.88       | 111.66                | -2,254.43                         | 1,152.99   | 2,753.49             | 2,687.34              | 66.15                   | 41.622            |                    |         |
| 6,450.00                     | 6,314.53            | 7,933.49            | 7,096.46            | 32.16           | 38.90       | 112.88                | -2,254.47                         | 1,154.71   | 2,751.11             | 2,684.78              | 66.33                   | 41.476            |                    |         |
| 6,500.00                     | 6,363.83            | 7,939.32            | 7,096.38            | 32.39           | 39.00       | 123.20                | -2,254.60                         | 1,160.54   | 2,740.60             | 2,673.52              | 67.08                   | 40.853            |                    |         |
| 6,550.00                     | 6,413.58            | 7,941.78            | 7,096.34            | 32.60           | 39.03       | 154.83                | -2,254.66                         | 1,162.99   | 2,730.79             | 2,663.04              | 67.75                   | 40.307            |                    |         |
| 6,600.00                     | 6,463.45            | 7,940.83            | 7,096.35            | 32.79           | 39.02       | -145.14               | -2,254.64                         | 1,162.04   | 2,721.77             | 2,653.44              | 68.33                   | 39.834            |                    |         |
| 6,650.00                     | 6,513.15            | 7,936.49            | 7,096.42            | 32.97           | 38.95       | -118.29               | -2,254.54                         | 1,157.71   | 2,713.58             | 2,644.75              | 68.82                   | 39.428            |                    |         |
| 6,700.00                     | 6,562.37            | 7,928.78            | 7,096.53            | 33.15           | 38.83       | -108.79               | -2,254.36                         | 1,149.99   | 2,706.27             | 2,637.02              | 69.25                   | 39.081            |                    |         |
| 6,750.00                     | 6,610.80            | 7,921.00            | 7,096.64            | 33.34           | 38.71       | -104.39               | -2,254.19                         | 1,142.22   | 2,699.87             | 2,630.21              | 69.65                   | 38.761            |                    |         |
| 6,800.00                     | 6,658.14            | 7,921.00            | 7,096.64            | 33.53           | 38.71       | -102.09               | -2,254.19                         | 1,142.22   | 2,694.42             | 2,624.25              | 70.17                   | 38.400            |                    |         |
| 6,850.00                     | 6,704.11            | 7,921.00            | 7,096.64            | 33.74           | 38.71       | -100.70               | -2,254.19                         | 1,142.22   | 2,689.99             | 2,619.32              | 70.67                   | 38.066            |                    |         |
| 6,900.00                     | 6,748.42            | 7,892.42            | 7,097.07            | 33.97           | 38.29       | -99.24                | -2,253.74                         | 1,113.64   | 2,686.26             | 2,615.52              | 70.75                   | 37.971            |                    |         |
| 6,950.00                     | 6,790.79            | 7,880.35            | 7,097.26            | 34.21           | 38.12       | -98.36                | -2,253.67                         | 1,101.58   | 2,683.59             | 2,612.54              | 71.05                   | 37.769            |                    |         |
| 7,000.00                     | 6,830.97            | 7,866.85            | 7,097.47            | 34.48           | 37.93       | -97.61                | -2,253.67                         | 1,088.08   | 2,681.83             | 2,610.49              | 71.34                   | 37.594            |                    |         |
| 7,050.00                     | 6,868.71            | 7,852.01            | 7,097.71            | 34.77           | 37.71       | -96.92                | -2,253.76                         | 1,073.24   | 2,680.93             | 2,609.33              | 71.60                   | 37.443            |                    |         |
| 7,061.19                     | 6,876.79            | 7,848.51            | 7,097.77            | 34.84           | 37.66       | -96.78                | -2,253.80                         | 1,069.74   | 2,680.85             | 2,609.18              | 71.66                   | 37.410            |                    |         |
| 7,100.00                     | 6,903.77            | 7,100.00            | 7,098.13            | 35.09           | 41.84       | -96.16                | -2,254.15                         | 1,048.90   | 2,680.90             | 2,617.98              | 62.92                   | 42.608            |                    |         |
| 7,150.00                     | 6,935.93            | 7,796.95            | 7,098.57            | 35.44           | 36.97       | -95.37                | -2,254.74                         | 1,018.20   | 2,681.50             | 2,609.66              | 71.83                   | 37.330            |                    |         |
| 7,200.00                     | 6,965.01            | 7,727.51            | 7,099.09            | 35.83           | 36.14       | -94.19                | -2,255.59                         | 948.76     | 2,682.19             | 2,610.73              | 71.46                   | 37.535            |                    |         |
| 7,250.00                     | 6,990.82            | 7,677.88            | 7,099.13            | 36.26           | 35.98       | -93.37                | -2,255.89                         | 899.13     | 2,682.88             | 2,611.44              | 71.44                   | 37.556            |                    |         |
| 7,300.00                     | 7,013.20            | 7,624.57            | 7,098.92            | 36.72           | 35.98       | -92.62                | -2,256.08                         | 845.82     | 2,683.60             | 2,612.18              | 71.42                   | 37.575            |                    |         |
| 7,350.00                     | 7,032.02            | 7,350.00            | 7,088.39            | 37.23           | 35.97       | -91.11                | -2,253.80                         | 697.48     | 2,683.43             | 2,613.56              | 69.87                   | 38.408            |                    |         |
| 7,400.00                     | 7,047.15            | 7,382.49            | 7,074.30            | 37.77           | 35.94       | -90.26                | -2,250.05                         | 605.68     | 2,682.07             | 2,611.34              | 70.73                   | 37.918            |                    |         |
| 7,450.00                     | 7,058.51            | 7,362.80            | 7,068.15            | 38.34           | 35.92       | -90.12                | -2,249.23                         | 586.99     | 2,680.38             | 2,609.10              | 71.28                   | 37.605            |                    |         |
| 7,500.00                     | 7,066.02            | 7,343.81            | 7,060.99            | 38.95           | 35.91       | -89.98                | -2,248.64                         | 569.42     | 2,679.05             | 2,607.21              | 71.85                   | 37.288            |                    |         |
| 7,550.00                     | 7,069.64            | 7,320.00            | 7,050.34            | 39.58           | 35.89       | -89.79                | -2,248.16                         | 548.13     | 2,678.11             | 2,605.70              | 72.41                   | 36.984            |                    |         |
| 7,571.20                     | 7,070.00            | 7,320.00            | 7,050.34            | 39.85           | 35.89       | -89.81                | -2,248.16                         | 548.13     | 2,677.81             | 2,605.10              | 72.70                   | 36.832            |                    |         |
| 7,600.00                     | 7,070.00            | 7,301.03            | 7,040.57            | 40.23           | 35.86       | -89.61                | -2,247.95                         | 531.87     | 2,677.52             | 2,604.48              | 73.04                   | 36.660            |                    |         |
| 7,631.51                     | 7,070.00            | 7,285.23            | 7,031.61            | 40.67           | 35.83       | -89.41                | -2,247.83                         | 518.87     | 2,677.41             | 2,603.95              | 73.45                   | 36.450            |                    |         |
| 7,700.00                     | 7,070.01            | 7,255.00            | 7,012.46            | 41.64           | 35.78       | -89.00                | -2,247.76                         | 495.50     | 2,677.97             | 2,603.60              | 74.37                   | 36.008            |                    |         |
| 7,800.00                     | 7,070.02            | 7,212.80            | 6,981.79            | 43.20           | 35.70       | -88.35                | -2,247.97                         | 466.57     | 2,681.02             | 2,605.16              | 75.86                   | 35.342            |                    |         |
| 7,900.00                     | 7,070.03            | 7,170.00            | 6,947.91            | 44.89           | 35.59       | -87.62                | -2,248.07                         | 440.43     | 2,686.52             | 2,609.06              | 77.46                   | 34.682            |                    |         |
| 8,000.00                     | 7,070.04            | 7,137.02            | 6,920.53            | 46.69           | 35.51       | -87.04                | -2,248.23                         | 422.05     | 2,694.94             | 2,615.76              | 79.18                   | 34.036            |                    |         |
| 8,100.00                     | 7,070.05            | 7,116.36            | 6,902.91            | 48.60           | 35.45       | -86.66                | -2,248.53                         | 411.27     | 2,706.65             | 2,625.66              | 80.99                   | 33.420            |                    |         |
| 8,200.00                     | 7,070.05            | 7,074.00            | 6,865.74            | 50.59           | 35.34       | -85.87                | -2,249.64                         | 391.00     | 2,721.90             | 2,639.13              | 82.77                   | 32.885            |                    |         |
| 8,300.00                     | 7,070.06            | 7,074.00            | 6,865.74            | 52.66           | 35.34       | -85.87                | -2,249.64                         | 391.00     | 2,739.86             | 2,655.17              | 84.70                   | 32.349            |                    |         |
| 8,400.00                     | 7,070.07            | 7,058.14            | 6,851.49            | 54.81           | 35.29       | -85.57                | -2,250.15                         | 384.05     | 2,761.26             | 2,674.69              | 86.57                   | 31.895            |                    |         |
| 8,500.00                     | 7,070.08            | 7,033.20            | 6,828.75            | 57.02           | 35.22       | -85.09                | -2,250.88                         | 373.83     | 2,785.72             | 2,697.31              | 88.41                   | 31.509            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 166-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,600.00                     | 7,070.09            | 7,012.04            | 6,809.17            | 59.28           | 35.16       | -84.68                | -2,251.41                         | 365.85     | 2,813.20             | 2,722.98              | 90.23                   | 31.179            |                    |         |
| 8,700.00                     | 7,070.10            | 6,979.00            | 6,778.09            | 61.60           | 35.06       | -84.02                | -2,252.09                         | 354.66     | 2,843.76             | 2,751.80              | 91.96                   | 30.923            |                    |         |
| 8,800.00                     | 7,070.11            | 6,979.00            | 6,778.09            | 63.95           | 35.06       | -84.02                | -2,252.09                         | 354.66     | 2,877.13             | 2,783.37              | 93.75                   | 30.688            |                    |         |
| 8,900.00                     | 7,070.12            | 6,979.00            | 6,778.09            | 66.35           | 35.06       | -84.02                | -2,252.09                         | 354.66     | 2,913.54             | 2,818.06              | 95.48                   | 30.514            |                    |         |
| 9,000.00                     | 7,070.13            | 6,979.00            | 6,778.09            | 68.79           | 35.06       | -84.02                | -2,252.09                         | 354.66     | 2,952.89             | 2,855.75              | 97.14                   | 30.398            |                    |         |
| 9,100.00                     | 7,070.13            | 6,944.25            | 6,744.84            | 71.25           | 34.95       | -83.32                | -2,252.65                         | 344.62     | 2,994.51             | 2,895.87              | 98.64                   | 30.359            |                    |         |
| 9,200.00                     | 7,070.14            | 6,935.22            | 6,736.11            | 73.74           | 34.92       | -83.14                | -2,252.77                         | 342.30     | 3,039.03             | 2,938.90              | 100.13                  | 30.350 SF         |                    |         |
| 9,300.00                     | 7,070.15            | 6,927.08            | 6,728.21            | 76.26           | 34.89       | -82.97                | -2,252.87                         | 340.32     | 3,086.08             | 2,984.52              | 101.56                  | 30.387            |                    |         |
| 9,400.00                     | 7,070.16            | 6,919.69            | 6,721.02            | 78.80           | 34.87       | -82.82                | -2,252.96                         | 338.60     | 3,135.55             | 3,032.64              | 102.92                  | 30.467            |                    |         |
| 9,500.00                     | 7,070.17            | 6,886.00            | 6,688.03            | 81.37           | 34.76       | -82.13                | -2,253.28                         | 331.83     | 3,187.73             | 3,083.62              | 104.11                  | 30.618            |                    |         |
| 9,600.00                     | 7,070.18            | 6,886.00            | 6,688.03            | 83.95           | 34.76       | -82.13                | -2,253.28                         | 331.83     | 3,241.60             | 3,136.25              | 105.35                  | 30.770            |                    |         |
| 9,700.00                     | 7,070.19            | 6,886.00            | 6,688.03            | 86.55           | 34.76       | -82.13                | -2,253.28                         | 331.83     | 3,297.61             | 3,191.10              | 106.51                  | 30.960            |                    |         |
| 9,800.00                     | 7,070.20            | 6,886.00            | 6,688.03            | 89.17           | 34.76       | -82.13                | -2,253.28                         | 331.83     | 3,355.67             | 3,248.06              | 107.61                  | 31.184            |                    |         |
| 9,900.00                     | 7,070.21            | 6,886.00            | 6,688.03            | 91.80           | 34.76       | -82.13                | -2,253.28                         | 331.83     | 3,415.67             | 3,307.04              | 108.64                  | 31.441            |                    |         |
| 10,000.00                    | 7,070.21            | 6,886.00            | 6,688.03            | 94.44           | 34.76       | -82.13                | -2,253.28                         | 331.83     | 3,477.52             | 3,367.92              | 109.60                  | 31.729            |                    |         |
| 10,100.00                    | 7,070.22            | 6,886.00            | 6,688.03            | 97.10           | 34.76       | -82.13                | -2,253.28                         | 331.83     | 3,541.10             | 3,430.60              | 110.50                  | 32.046            |                    |         |
| 10,200.00                    | 7,070.23            | 6,868.97            | 6,671.24            | 99.77           | 34.70       | -81.78                | -2,253.35                         | 328.97     | 3,606.27             | 3,494.97              | 111.30                  | 32.402            |                    |         |
| 10,300.00                    | 7,070.24            | 6,860.77            | 6,663.14            | 102.44          | 34.67       | -81.61                | -2,253.33                         | 327.68     | 3,672.98             | 3,560.91              | 112.06                  | 32.776            |                    |         |
| 10,400.00                    | 7,070.25            | 6,853.24            | 6,655.70            | 105.13          | 34.65       | -81.45                | -2,253.29                         | 326.54     | 3,741.14             | 3,628.36              | 112.78                  | 33.172            |                    |         |
| 10,500.00                    | 7,070.26            | 6,846.31            | 6,648.85            | 107.83          | 34.63       | -81.31                | -2,253.24                         | 325.54     | 3,810.67             | 3,697.22              | 113.45                  | 33.589            |                    |         |
| 10,600.00                    | 7,070.27            | 6,839.91            | 6,642.51            | 110.53          | 34.60       | -81.17                | -2,253.16                         | 324.65     | 3,881.52             | 3,767.44              | 114.08                  | 34.025            |                    |         |
| 10,700.00                    | 7,070.28            | 6,833.98            | 6,636.63            | 113.24          | 34.58       | -81.05                | -2,253.08                         | 323.85     | 3,953.60             | 3,838.94              | 114.66                  | 34.480            |                    |         |
| 10,800.00                    | 7,070.28            | 6,828.48            | 6,631.17            | 115.96          | 34.56       | -80.94                | -2,252.99                         | 323.14     | 4,026.86             | 3,911.65              | 115.21                  | 34.953            |                    |         |
| 10,900.00                    | 7,070.29            | 6,823.35            | 6,626.08            | 118.69          | 34.55       | -80.83                | -2,252.89                         | 322.50     | 4,101.23             | 3,985.51              | 115.72                  | 35.442            |                    |         |
| 11,000.00                    | 7,070.30            | 6,818.56            | 6,621.33            | 121.42          | 34.53       | -80.73                | -2,252.79                         | 321.92     | 4,176.66             | 4,060.46              | 116.19                  | 35.946            |                    |         |
| 11,100.00                    | 7,070.31            | 6,792.00            | 6,594.94            | 124.16          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,253.23             | 4,136.68              | 116.56                  | 36.491            |                    |         |
| 11,200.00                    | 7,070.32            | 6,792.00            | 6,594.94            | 126.90          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,330.56             | 4,213.57              | 116.99                  | 37.018            |                    |         |
| 11,300.00                    | 7,070.33            | 6,792.00            | 6,594.94            | 129.65          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,408.80             | 4,291.41              | 117.39                  | 37.558            |                    |         |
| 11,400.00                    | 7,070.34            | 6,792.00            | 6,594.94            | 132.40          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,487.90             | 4,370.14              | 117.76                  | 38.111            |                    |         |
| 11,500.00                    | 7,070.35            | 6,792.00            | 6,594.94            | 135.16          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,567.82             | 4,449.71              | 118.11                  | 38.675            |                    |         |
| 11,600.00                    | 7,070.36            | 6,792.00            | 6,594.94            | 137.92          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,648.52             | 4,530.08              | 118.43                  | 39.250            |                    |         |
| 11,700.00                    | 7,070.36            | 6,792.00            | 6,594.94            | 140.69          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,729.96             | 4,611.22              | 118.74                  | 39.835            |                    |         |
| 11,800.00                    | 7,070.37            | 6,792.00            | 6,594.94            | 143.46          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,812.09             | 4,693.07              | 119.02                  | 40.430            |                    |         |
| 11,900.00                    | 7,070.38            | 6,792.00            | 6,594.94            | 146.23          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,894.89             | 4,775.60              | 119.29                  | 41.034            |                    |         |
| 12,000.00                    | 7,070.39            | 6,792.00            | 6,594.94            | 149.01          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 4,978.32             | 4,858.79              | 119.54                  | 41.647            |                    |         |
| 12,100.00                    | 7,070.40            | 6,792.00            | 6,594.94            | 151.79          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,062.36             | 4,942.59              | 119.77                  | 42.268            |                    |         |
| 12,200.00                    | 7,070.41            | 6,792.00            | 6,594.94            | 154.57          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,146.96             | 5,026.98              | 119.99                  | 42.896            |                    |         |
| 12,300.00                    | 7,070.42            | 6,792.00            | 6,594.94            | 157.35          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,232.11             | 5,111.92              | 120.19                  | 43.532            |                    |         |
| 12,400.00                    | 7,070.43            | 6,792.00            | 6,594.94            | 160.14          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,317.77             | 5,197.39              | 120.38                  | 44.175            |                    |         |
| 12,500.00                    | 7,070.44            | 6,792.00            | 6,594.94            | 162.93          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,403.93             | 5,283.37              | 120.56                  | 44.824            |                    |         |
| 12,600.00                    | 7,070.44            | 6,792.00            | 6,594.94            | 165.72          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,490.55             | 5,369.83              | 120.73                  | 45.480            |                    |         |
| 12,700.00                    | 7,070.45            | 6,792.00            | 6,594.94            | 168.52          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,577.63             | 5,456.75              | 120.88                  | 46.141            |                    |         |
| 12,800.00                    | 7,070.46            | 6,792.00            | 6,594.94            | 171.32          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,665.13             | 5,544.10              | 121.03                  | 46.808            |                    |         |
| 12,900.00                    | 7,070.47            | 6,792.00            | 6,594.94            | 174.11          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,753.04             | 5,631.87              | 121.17                  | 47.480            |                    |         |
| 13,000.00                    | 7,070.48            | 6,792.00            | 6,594.94            | 176.92          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,841.33             | 5,720.04              | 121.30                  | 48.157            |                    |         |
| 13,100.00                    | 7,070.49            | 6,792.00            | 6,594.94            | 179.72          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 5,930.00             | 5,808.58              | 121.42                  | 48.838            |                    |         |
| 13,200.00                    | 7,070.50            | 6,792.00            | 6,594.94            | 182.52          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,019.03             | 5,897.49              | 121.54                  | 49.524            |                    |         |
| 13,300.00                    | 7,070.51            | 6,792.00            | 6,594.94            | 185.33          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,108.39             | 5,986.74              | 121.65                  | 50.215            |                    |         |
| 13,400.00                    | 7,070.52            | 6,792.00            | 6,594.94            | 188.14          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,198.08             | 6,076.33              | 121.75                  | 50.909            |                    |         |
| 13,500.00                    | 7,070.52            | 6,792.00            | 6,594.94            | 190.95          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,288.08             | 6,166.23              | 121.84                  | 51.607            |                    |         |
| 13,600.00                    | 7,070.53            | 6,792.00            | 6,594.94            | 193.76          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,378.37             | 6,256.44              | 121.94                  | 52.309            |                    |         |
| 13,700.00                    | 7,070.54            | 6,792.00            | 6,594.94            | 196.57          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,468.96             | 6,346.93              | 122.02                  | 53.014            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 166-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,800.00                    | 7,070.55            | 6,792.00            | 6,594.94            | 199.38          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,559.81             | 6,437.71              | 122.11                  | 53.723            |                    |         |
| 13,900.00                    | 7,070.56            | 6,792.00            | 6,594.94            | 202.20          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,650.93             | 6,528.75              | 122.18                  | 54.434            |                    |         |
| 14,000.00                    | 7,070.57            | 6,792.00            | 6,594.94            | 205.01          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,742.30             | 6,620.05              | 122.26                  | 55.149            |                    |         |
| 14,100.00                    | 7,070.58            | 6,792.00            | 6,594.94            | 207.83          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,833.91             | 6,711.59              | 122.33                  | 55.866            |                    |         |
| 14,200.00                    | 7,070.59            | 6,792.00            | 6,594.94            | 210.65          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 6,925.76             | 6,803.36              | 122.39                  | 56.586            |                    |         |
| 14,300.00                    | 7,070.60            | 6,792.00            | 6,594.94            | 213.47          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,017.83             | 6,895.37              | 122.46                  | 57.308            |                    |         |
| 14,400.00                    | 7,070.60            | 6,792.00            | 6,594.94            | 216.29          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,110.11             | 6,987.59              | 122.52                  | 58.033            |                    |         |
| 14,500.00                    | 7,070.61            | 6,792.00            | 6,594.94            | 219.11          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,202.59             | 7,080.02              | 122.58                  | 58.760            |                    |         |
| 14,600.00                    | 7,070.62            | 6,792.00            | 6,594.94            | 221.94          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,295.28             | 7,172.65              | 122.63                  | 59.489            |                    |         |
| 14,700.00                    | 7,070.63            | 6,792.00            | 6,594.94            | 224.76          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,388.16             | 7,265.47              | 122.69                  | 60.220            |                    |         |
| 14,800.00                    | 7,070.64            | 6,792.00            | 6,594.94            | 227.58          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,481.22             | 7,358.48              | 122.74                  | 60.953            |                    |         |
| 14,900.00                    | 7,070.65            | 6,792.00            | 6,594.94            | 230.41          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,574.45             | 7,451.67              | 122.79                  | 61.688            |                    |         |
| 15,000.00                    | 7,070.66            | 6,792.00            | 6,594.94            | 233.24          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,667.86             | 7,545.03              | 122.83                  | 62.425            |                    |         |
| 15,100.00                    | 7,070.67            | 6,792.00            | 6,594.94            | 236.06          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,761.43             | 7,638.55              | 122.88                  | 63.163            |                    |         |
| 15,200.00                    | 7,070.68            | 6,792.00            | 6,594.94            | 238.89          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,855.16             | 7,732.24              | 122.92                  | 63.903            |                    |         |
| 15,300.00                    | 7,070.68            | 6,792.00            | 6,594.94            | 241.72          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 7,949.05             | 7,826.08              | 122.97                  | 64.645            |                    |         |
| 15,400.00                    | 7,070.69            | 6,792.00            | 6,594.94            | 244.55          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,043.08             | 7,920.07              | 123.01                  | 65.387            |                    |         |
| 15,500.00                    | 7,070.70            | 6,792.00            | 6,594.94            | 247.38          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,137.25             | 8,014.20              | 123.05                  | 66.131            |                    |         |
| 15,600.00                    | 7,070.71            | 6,792.00            | 6,594.94            | 250.21          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,231.56             | 8,108.47              | 123.09                  | 66.877            |                    |         |
| 15,700.00                    | 7,070.72            | 6,792.00            | 6,594.94            | 253.04          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,326.00             | 8,202.88              | 123.12                  | 67.623            |                    |         |
| 15,800.00                    | 7,070.73            | 6,792.00            | 6,594.94            | 255.87          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,420.57             | 8,297.41              | 123.16                  | 68.371            |                    |         |
| 15,900.00                    | 7,070.74            | 6,792.00            | 6,594.94            | 258.71          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,515.27             | 8,392.07              | 123.20                  | 69.119            |                    |         |
| 16,000.00                    | 7,070.75            | 6,792.00            | 6,594.94            | 261.54          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,610.08             | 8,486.85              | 123.23                  | 69.869            |                    |         |
| 16,100.00                    | 7,070.76            | 6,792.00            | 6,594.94            | 264.37          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,705.02             | 8,581.75              | 123.27                  | 70.619            |                    |         |
| 16,200.00                    | 7,070.76            | 6,792.00            | 6,594.94            | 267.21          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,800.06             | 8,676.76              | 123.30                  | 71.371            |                    |         |
| 16,300.00                    | 7,070.77            | 6,792.00            | 6,594.94            | 270.04          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,895.21             | 8,771.88              | 123.33                  | 72.123            |                    |         |
| 16,400.00                    | 7,070.78            | 6,792.00            | 6,594.94            | 272.88          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 8,990.47             | 8,867.10              | 123.37                  | 72.876            |                    |         |
| 16,500.00                    | 7,070.79            | 6,792.00            | 6,594.94            | 275.71          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,085.83             | 8,962.43              | 123.40                  | 73.629            |                    |         |
| 16,600.00                    | 7,070.80            | 6,792.00            | 6,594.94            | 278.55          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,181.29             | 9,057.86              | 123.43                  | 74.383            |                    |         |
| 16,700.00                    | 7,070.81            | 6,792.00            | 6,594.94            | 281.39          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,276.84             | 9,153.38              | 123.46                  | 75.138            |                    |         |
| 16,800.00                    | 7,070.82            | 6,792.00            | 6,594.94            | 284.22          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,372.49             | 9,248.99              | 123.50                  | 75.893            |                    |         |
| 16,900.00                    | 7,070.83            | 6,792.00            | 6,594.94            | 287.06          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,468.22             | 9,344.70              | 123.53                  | 76.649            |                    |         |
| 17,000.00                    | 7,070.84            | 6,792.00            | 6,594.94            | 289.90          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,564.05             | 9,440.49              | 123.56                  | 77.405            |                    |         |
| 17,100.00                    | 7,070.84            | 6,792.00            | 6,594.94            | 292.74          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,659.96             | 9,536.37              | 123.59                  | 78.162            |                    |         |
| 17,200.00                    | 7,070.85            | 6,792.00            | 6,594.94            | 295.58          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,755.95             | 9,632.33              | 123.62                  | 78.919            |                    |         |
| 17,300.00                    | 7,070.86            | 6,792.00            | 6,594.94            | 298.42          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,852.02             | 9,728.37              | 123.65                  | 79.676            |                    |         |
| 17,400.00                    | 7,070.87            | 6,792.00            | 6,594.94            | 301.26          | 34.44       | -80.18                | -2,252.05                         | 319.08     | 9,948.17             | 9,824.48              | 123.68                  | 80.433            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 436-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 147.67                | -797.83                           | 505.04     | 944.31               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 86.01               | 86.01               | 3.28            | 3.29        | 147.69                | -798.19                           | 504.71     | 944.38               | 937.81                | 6.57                    | 143.733           |                    |         |
| 200.00                       | 200.00              | 182.63              | 182.61              | 3.34            | 3.31        | 147.79                | -799.49                           | 503.56     | 944.88               | 938.23                | 6.64                    | 142.246           |                    |         |
| 300.00                       | 300.00              | 279.19              | 279.12              | 3.44            | 3.34        | 147.97                | -801.70                           | 501.59     | 945.74               | 938.95                | 6.78                    | 139.402           |                    |         |
| 400.00                       | 399.98              | 375.56              | 375.40              | 3.60            | 3.39        | 75.79                 | -804.85                           | 498.79     | 946.54               | 939.55                | 6.99                    | 135.466           |                    |         |
| 500.00                       | 499.84              | 464.93              | 464.62              | 3.80            | 3.46        | 76.35                 | -808.73                           | 495.42     | 947.06               | 939.79                | 7.26                    | 130.389           |                    |         |
| 600.00                       | 599.45              | 544.14              | 543.51              | 4.04            | 3.60        | 77.12                 | -814.58                           | 491.33     | 948.79               | 941.15                | 7.64                    | 124.192           |                    |         |
| 700.00                       | 698.70              | 630.46              | 629.21              | 4.32            | 3.77        | 78.23                 | -823.13                           | 485.63     | 951.61               | 943.51                | 8.10                    | 117.513           |                    |         |
| 800.00                       | 797.47              | 708.82              | 706.82              | 4.63            | 3.97        | 79.41                 | -832.45                           | 480.16     | 955.87               | 947.26                | 8.61                    | 111.067           |                    |         |
| 900.00                       | 895.62              | 782.99              | 780.08              | 4.97            | 4.18        | 80.66                 | -842.88                           | 475.04     | 962.27               | 953.11                | 9.16                    | 105.036           |                    |         |
| 924.00                       | 919.08              | 800.45              | 797.27              | 5.06            | 4.23        | 80.97                 | -845.61                           | 473.80     | 964.19               | 954.89                | 9.30                    | 103.677           |                    |         |
| 1,000.00                     | 993.28              | 853.70              | 849.63              | 5.34            | 4.40        | 82.06                 | -854.60                           | 470.09     | 971.50               | 961.74                | 9.75                    | 99.622            |                    |         |
| 1,100.00                     | 1,090.92            | 922.94              | 917.50              | 5.73            | 4.63        | 83.46                 | -867.63                           | 465.90     | 984.18               | 973.81                | 10.37                   | 94.917            |                    |         |
| 1,200.00                     | 1,188.56            | 992.14              | 985.12              | 6.15            | 4.88        | 84.79                 | -881.99                           | 462.87     | 1,000.26             | 989.26                | 11.00                   | 90.898            |                    |         |
| 1,300.00                     | 1,286.19            | 1,067.63            | 1,058.65            | 6.57            | 5.17        | 86.19                 | -898.95                           | 460.62     | 1,019.32             | 1,007.65              | 11.68                   | 87.305            |                    |         |
| 1,400.00                     | 1,383.83            | 1,147.85            | 1,136.53            | 7.01            | 5.49        | 87.62                 | -918.08                           | 458.68     | 1,040.74             | 1,028.37              | 12.37                   | 84.120            |                    |         |
| 1,500.00                     | 1,481.47            | 1,234.41            | 1,220.37            | 7.46            | 5.85        | 89.12                 | -939.48                           | 456.71     | 1,063.88             | 1,050.77              | 13.12                   | 81.112            |                    |         |
| 1,600.00                     | 1,579.10            | 1,320.19            | 1,303.28            | 7.91            | 6.23        | 90.62                 | -961.29                           | 453.55     | 1,088.24             | 1,074.37              | 13.87                   | 78.443            |                    |         |
| 1,700.00                     | 1,676.74            | 1,398.59            | 1,378.78            | 8.37            | 6.58        | 91.98                 | -982.08                           | 450.01     | 1,114.33             | 1,099.72              | 14.60                   | 76.302            |                    |         |
| 1,800.00                     | 1,774.38            | 1,473.00            | 1,450.10            | 8.84            | 6.94        | 93.27                 | -1,002.97                         | 446.10     | 1,142.58             | 1,127.26              | 15.32                   | 74.586            |                    |         |
| 1,900.00                     | 1,872.02            | 1,557.05            | 1,530.35            | 9.31            | 7.35        | 94.70                 | -1,027.45                         | 441.14     | 1,172.58             | 1,156.48              | 16.10                   | 72.852            |                    |         |
| 2,000.00                     | 1,969.65            | 1,647.86            | 1,617.01            | 9.79            | 7.81        | 96.17                 | -1,054.07                         | 435.89     | 1,203.59             | 1,186.66              | 16.92                   | 71.129            |                    |         |
| 2,100.00                     | 2,067.29            | 1,756.27            | 1,720.79            | 10.27           | 8.35        | 97.78                 | -1,085.00                         | 430.75     | 1,234.70             | 1,216.83              | 17.87                   | 69.103            |                    |         |
| 2,200.00                     | 2,164.93            | 1,869.80            | 1,830.07            | 10.75           | 8.93        | 99.33                 | -1,115.44                         | 426.40     | 1,264.88             | 1,246.02              | 18.86                   | 67.064            |                    |         |
| 2,300.00                     | 2,262.56            | 1,983.42            | 1,940.00            | 11.24           | 9.49        | 100.71                | -1,144.02                         | 423.61     | 1,294.12             | 1,274.27              | 19.85                   | 65.185            |                    |         |
| 2,400.00                     | 2,360.20            | 2,117.99            | 2,071.01            | 11.73           | 10.15       | 102.21                | -1,174.69                         | 421.53     | 1,321.64             | 1,300.66              | 20.98                   | 62.992            |                    |         |
| 2,500.00                     | 2,457.84            | 2,240.82            | 2,191.35            | 12.22           | 10.74       | 103.53                | -1,199.10                         | 418.80     | 1,346.65             | 1,324.63              | 22.03                   | 61.132            |                    |         |
| 2,600.00                     | 2,555.48            | 2,327.78            | 2,276.66            | 12.71           | 11.15       | 104.43                | -1,215.84                         | 416.88     | 1,371.53             | 1,348.67              | 22.86                   | 59.998            |                    |         |
| 2,700.00                     | 2,653.11            | 2,409.26            | 2,356.47            | 13.20           | 11.54       | 105.25                | -1,232.12                         | 414.98     | 1,397.47             | 1,373.82              | 23.66                   | 59.070            |                    |         |
| 2,800.00                     | 2,750.75            | 2,506.17            | 2,451.33            | 13.70           | 12.01       | 106.21                | -1,251.80                         | 412.33     | 1,424.12             | 1,399.56              | 24.56                   | 57.989            |                    |         |
| 2,900.00                     | 2,848.39            | 2,581.03            | 2,524.50            | 14.19           | 12.38       | 106.95                | -1,267.36                         | 409.65     | 1,451.60             | 1,426.29              | 25.31                   | 57.344            |                    |         |
| 3,000.00                     | 2,946.02            | 2,680.63            | 2,621.72            | 14.69           | 12.88       | 107.92                | -1,288.64                         | 405.71     | 1,480.04             | 1,453.80              | 26.24                   | 56.404            |                    |         |
| 3,100.00                     | 3,043.66            | 2,778.28            | 2,717.16            | 15.19           | 13.36       | 108.84                | -1,308.92                         | 401.76     | 1,508.25             | 1,481.09              | 27.15                   | 55.543            |                    |         |
| 3,200.00                     | 3,141.30            | 2,843.68            | 2,780.99            | 15.69           | 13.69       | 109.43                | -1,322.92                         | 399.20     | 1,537.43             | 1,509.59              | 27.84                   | 55.225            |                    |         |
| 3,300.00                     | 3,238.94            | 2,907.90            | 2,843.38            | 16.19           | 14.02       | 109.98                | -1,338.02                         | 397.09     | 1,568.78             | 1,540.27              | 28.51                   | 55.032            |                    |         |
| 3,400.00                     | 3,336.57            | 2,979.00            | 2,912.18            | 16.69           | 14.39       | 110.55                | -1,355.84                         | 395.21     | 1,601.82             | 1,572.60              | 29.22                   | 54.815            |                    |         |
| 3,500.00                     | 3,434.21            | 3,164.14            | 3,092.42            | 17.19           | 15.33       | 111.98                | -1,397.72                         | 390.04     | 1,632.58             | 1,601.76              | 30.82                   | 52.966            |                    |         |
| 3,600.00                     | 3,531.85            | 3,238.02            | 3,164.68            | 17.69           | 15.70       | 112.53                | -1,412.94                         | 387.97     | 1,661.90             | 1,630.33              | 31.57                   | 52.639            |                    |         |
| 3,700.00                     | 3,629.48            | 3,384.65            | 3,308.39            | 18.20           | 16.42       | 113.54                | -1,441.84                         | 385.07     | 1,690.43             | 1,657.58              | 32.85                   | 51.465            |                    |         |
| 3,800.00                     | 3,727.12            | 3,464.32            | 3,386.64            | 18.70           | 16.80       | 114.10                | -1,456.68                         | 382.92     | 1,718.28             | 1,684.64              | 33.64                   | 51.080            |                    |         |
| 3,900.00                     | 3,824.76            | 3,552.98            | 3,473.63            | 19.21           | 17.24       | 114.69                | -1,473.65                         | 380.72     | 1,746.80             | 1,712.30              | 34.50                   | 50.638            |                    |         |
| 4,000.00                     | 3,922.40            | 3,632.94            | 3,551.99            | 19.71           | 17.64       | 115.19                | -1,489.47                         | 378.97     | 1,776.06             | 1,740.77              | 35.29                   | 50.328            |                    |         |
| 4,100.00                     | 4,020.03            | 3,710.49            | 3,627.86            | 20.21           | 18.02       | 115.69                | -1,505.32                         | 376.54     | 1,806.29             | 1,770.23              | 36.06                   | 50.085            |                    |         |
| 4,200.00                     | 4,117.67            | 3,790.00            | 3,708.57            | 20.72           | 20.46       | 116.42                | -1,527.79                         | 372.30     | 1,836.23             | 1,797.37              | 38.85                   | 47.259            |                    |         |
| 4,300.00                     | 4,215.31            | 3,888.62            | 3,802.31            | 21.23           | 18.91       | 116.83                | -1,540.70                         | 369.92     | 1,866.54             | 1,828.76              | 37.79                   | 49.399            |                    |         |
| 4,400.00                     | 4,312.94            | 3,945.19            | 3,857.42            | 21.73           | 19.20       | 117.19                | -1,553.18                         | 367.13     | 1,899.14             | 1,860.76              | 38.38                   | 49.481            |                    |         |
| 4,500.00                     | 4,410.58            | 4,011.00            | 3,921.27            | 22.24           | 19.54       | 117.61                | -1,568.60                         | 363.18     | 1,933.44             | 1,894.40              | 39.05                   | 49.518            |                    |         |
| 4,600.00                     | 4,508.22            | 4,082.33            | 3,990.27            | 22.75           | 19.92       | 118.04                | -1,586.27                         | 359.30     | 1,969.04             | 1,929.28              | 39.76                   | 49.528            |                    |         |
| 4,700.00                     | 4,605.86            | 4,164.42            | 4,069.50            | 23.25           | 20.36       | 118.47                | -1,607.53                         | 356.22     | 2,005.45             | 1,964.89              | 40.57                   | 49.437            |                    |         |
| 4,800.00                     | 4,703.49            | 4,398.67            | 4,297.26            | 23.76           | 21.57       | 119.62                | -1,661.62                         | 349.61     | 2,039.59             | 1,996.92              | 42.67                   | 47.798            |                    |         |
| 4,900.00                     | 4,801.13            | 4,475.99            | 4,372.99            | 24.27           | 21.96       | 119.99                | -1,677.04                         | 347.65     | 2,070.43             | 2,026.99              | 43.44                   | 47.657            |                    |         |
| 5,000.00                     | 4,898.77            | 4,600.97            | 4,495.61            | 24.77           | 22.58       | 120.60                | -1,700.97                         | 344.05     | 2,100.71             | 2,056.12              | 44.59                   | 47.114            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 436-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                     | 4,996.40            | 4,673.00            | 4,566.29            | 25.28           | 22.93       | 120.93                | -1,714.67                         | 341.97     | 2,131.06             | 2,085.74              | 45.32                   | 47.022            |                    |         |
| 5,200.00                     | 5,094.04            | 4,740.33            | 4,632.21            | 25.79           | 23.27       | 121.24                | -1,728.18                         | 339.78     | 2,162.60             | 2,116.58              | 46.01                   | 47.001            |                    |         |
| 5,300.00                     | 5,191.68            | 4,870.48            | 4,759.55            | 26.30           | 23.93       | 121.81                | -1,754.81                         | 335.84     | 2,194.69             | 2,147.48              | 47.21                   | 46.487            |                    |         |
| 5,400.00                     | 5,289.32            | 4,941.77            | 4,829.37            | 26.81           | 24.28       | 122.10                | -1,769.11                         | 334.30     | 2,226.07             | 2,178.14              | 47.94                   | 46.438            |                    |         |
| 5,500.00                     | 5,386.95            | 5,002.66            | 4,888.88            | 27.32           | 24.59       | 122.35                | -1,781.90                         | 332.81     | 2,258.54             | 2,209.97              | 48.57                   | 46.499            |                    |         |
| 5,600.00                     | 5,484.59            | 5,064.35            | 4,948.96            | 27.83           | 24.91       | 122.59                | -1,795.75                         | 330.82     | 2,292.58             | 2,243.37              | 49.20                   | 46.593            |                    |         |
| 5,700.00                     | 5,582.23            | 5,424.06            | 5,302.06            | 28.33           | 26.68       | 124.02                | -1,861.97                         | 320.49     | 2,326.13             | 2,274.03              | 52.10                   | 44.647            |                    |         |
| 5,800.00                     | 5,679.87            | 5,663.67            | 5,540.87            | 28.84           | 27.70       | 125.08                | -1,880.15                         | 315.04     | 2,345.69             | 2,291.96              | 53.74                   | 43.652            |                    |         |
| 5,900.00                     | 5,777.50            | 5,821.47            | 5,698.52            | 29.35           | 28.34       | 125.79                | -1,886.36                         | 311.92     | 2,362.92             | 2,308.04              | 54.87                   | 43.063            |                    |         |
| 6,000.00                     | 5,875.14            | 5,943.21            | 5,820.24            | 29.86           | 28.82       | 126.30                | -1,888.66                         | 311.73     | 2,377.56             | 2,321.72              | 55.84                   | 42.576            |                    |         |
| 6,100.00                     | 5,972.78            | 6,029.14            | 5,906.12            | 30.37           | 29.15       | 126.62                | -1,891.11                         | 312.50     | 2,392.95             | 2,336.27              | 56.68                   | 42.217            |                    |         |
| 6,200.00                     | 6,070.41            | 6,138.01            | 6,014.96            | 30.88           | 29.58       | 127.03                | -1,893.72                         | 313.74     | 2,407.95             | 2,350.35              | 57.61                   | 41.799            |                    |         |
| 6,300.00                     | 6,168.05            | 6,233.82            | 6,110.73            | 31.39           | 29.96       | 127.39                | -1,896.06                         | 314.58     | 2,423.20             | 2,364.71              | 58.49                   | 41.433            |                    |         |
| 6,400.00                     | 6,265.69            | 6,336.49            | 6,213.38            | 31.90           | 30.36       | 127.77                | -1,898.35                         | 315.46     | 2,438.36             | 2,378.97              | 59.39                   | 41.057            |                    |         |
| 6,439.09                     | 6,303.85            | 6,376.39            | 6,253.27            | 32.10           | 30.52       | 127.92                | -1,899.11                         | 315.57     | 2,444.28             | 2,384.53              | 59.74                   | 40.914            |                    |         |
| 6,450.00                     | 6,314.53            | 6,390.06            | 6,266.93            | 32.16           | 30.58       | 129.58                | -1,899.34                         | 315.59     | 2,445.89             | 2,386.04              | 59.85                   | 40.867            |                    |         |
| 6,500.00                     | 6,363.83            | 6,819.76            | 6,687.59            | 32.39           | 32.10       | 140.98                | -1,899.33                         | 380.08     | 2,451.54             | 2,390.66              | 60.88                   | 40.267            |                    |         |
| 6,550.00                     | 6,413.58            | 7,765.63            | 7,216.66            | 32.60           | 36.37       | 157.03                | -1,916.16                         | 1,085.65   | 2,445.29             | 2,381.52              | 63.77                   | 38.347            |                    |         |
| 6,600.00                     | 6,463.45            | 7,765.70            | 7,216.66            | 32.79           | 36.37       | -143.35               | -1,916.16                         | 1,085.71   | 2,432.27             | 2,367.82              | 64.44                   | 37.743            |                    |         |
| 6,650.00                     | 6,513.15            | 7,764.25            | 7,216.64            | 32.97           | 36.35       | -116.94               | -1,916.09                         | 1,084.27   | 2,420.04             | 2,354.97              | 65.07                   | 37.190            |                    |         |
| 6,700.00                     | 6,562.37            | 7,761.31            | 7,216.60            | 33.15           | 36.31       | -107.92               | -1,915.94                         | 1,081.33   | 2,408.69             | 2,343.03              | 65.66                   | 36.684            |                    |         |
| 6,750.00                     | 6,610.80            | 7,756.91            | 7,216.54            | 33.34           | 36.26       | -103.95               | -1,915.74                         | 1,076.93   | 2,398.29             | 2,332.08              | 66.21                   | 36.221            |                    |         |
| 6,800.00                     | 6,658.14            | 7,751.08            | 7,216.46            | 33.53           | 36.18       | -101.89               | -1,915.49                         | 1,071.11   | 2,388.89             | 2,322.17              | 66.73                   | 35.801            |                    |         |
| 6,850.00                     | 6,704.11            | 7,743.87            | 7,216.35            | 33.74           | 36.09       | -100.69               | -1,915.21                         | 1,063.91   | 2,380.54             | 2,313.33              | 67.21                   | 35.421            |                    |         |
| 6,900.00                     | 6,748.42            | 7,735.34            | 7,216.22            | 33.97           | 35.98       | -99.93                | -1,914.93                         | 1,055.38   | 2,373.26             | 2,305.61              | 67.66                   | 35.078            |                    |         |
| 6,950.00                     | 6,790.79            | 7,725.55            | 7,216.05            | 34.21           | 35.86       | -99.38                | -1,914.68                         | 1,045.59   | 2,367.08             | 2,299.00              | 68.08                   | 34.771            |                    |         |
| 7,000.00                     | 6,830.97            | 7,699.00            | 7,215.54            | 34.48           | 35.52       | -98.64                | -1,914.34                         | 1,019.05   | 2,362.13             | 2,293.86              | 68.27                   | 34.600            |                    |         |
| 7,050.00                     | 6,868.71            | 7,699.00            | 7,215.54            | 34.77           | 35.52       | -98.49                | -1,914.34                         | 1,019.05   | 2,358.01             | 2,289.20              | 68.81                   | 34.271            |                    |         |
| 7,100.00                     | 6,903.77            | 7,506.14            | 7,179.67            | 35.09           | 33.89       | -94.59                | -1,910.57                         | 830.39     | 2,353.41             | 2,286.02              | 67.39                   | 34.920            |                    |         |
| 7,150.00                     | 6,935.93            | 7,482.35            | 7,171.45            | 35.44           | 33.81       | -94.14                | -1,909.89                         | 808.08     | 2,349.12             | 2,281.37              | 67.75                   | 34.673            |                    |         |
| 7,200.00                     | 6,965.01            | 7,458.84            | 7,162.39            | 35.83           | 33.75       | -93.71                | -1,909.35                         | 786.40     | 2,345.57             | 2,277.45              | 68.12                   | 34.433            |                    |         |
| 7,250.00                     | 6,990.82            | 7,435.56            | 7,152.53            | 36.26           | 33.69       | -93.28                | -1,908.97                         | 765.31     | 2,342.76             | 2,274.25              | 68.51                   | 34.197            |                    |         |
| 7,300.00                     | 7,013.20            | 7,411.69            | 7,141.51            | 36.72           | 33.64       | -92.83                | -1,908.71                         | 744.14     | 2,340.66             | 2,271.74              | 68.92                   | 33.964            |                    |         |
| 7,350.00                     | 7,032.02            | 7,382.50            | 7,126.80            | 37.23           | 33.58       | -92.26                | -1,908.54                         | 718.93     | 2,339.19             | 2,269.84              | 69.35                   | 33.731            |                    |         |
| 7,400.00                     | 7,047.15            | 7,354.26            | 7,111.31            | 37.77           | 33.52       | -91.71                | -1,908.49                         | 695.32     | 2,338.28             | 2,268.47              | 69.81                   | 33.497            |                    |         |
| 7,448.85                     | 7,058.29            | 7,448.85            | 7,079.68            | 38.33           | 33.77       | -90.71                | -1,908.49                         | 655.55     | 2,337.86             | 2,266.93              | 70.93                   | 32.961            |                    |         |
| 7,450.00                     | 7,058.51            | 7,338.01            | 7,101.89            | 38.34           | 33.50       | -91.37                | -1,908.45                         | 682.08     | 2,337.88             | 2,267.55              | 70.33                   | 33.241            |                    |         |
| 7,500.00                     | 7,066.02            | 7,270.26            | 7,058.60            | 38.95           | 33.34       | -90.08                | -1,908.56                         | 630.00     | 2,337.86             | 2,267.20              | 70.67                   | 33.083            |                    |         |
| 7,550.00                     | 7,069.64            | 7,215.42            | 7,019.69            | 39.58           | 33.22       | -89.04                | -1,908.00                         | 591.39     | 2,337.78             | 2,266.71              | 71.07                   | 32.894            |                    |         |
| 7,564.01                     | 7,069.96            | 7,204.41            | 7,011.56            | 39.76           | 33.19       | -88.84                | -1,907.83                         | 583.97     | 2,337.77             | 2,266.56              | 71.21                   | 32.828            |                    |         |
| 7,571.20                     | 7,070.00            | 7,198.77            | 7,007.36            | 39.85           | 33.18       | -88.73                | -1,907.74                         | 580.20     | 2,337.77             | 2,266.49              | 71.29                   | 32.795            |                    |         |
| 7,600.00                     | 7,070.00            | 7,176.64            | 6,990.70            | 40.23           | 33.12       | -88.33                | -1,907.37                         | 565.64     | 2,337.87             | 2,266.29              | 71.58                   | 32.659            |                    |         |
| 7,700.00                     | 7,070.01            | 7,108.30            | 6,937.39            | 41.64           | 32.94       | -87.02                | -1,905.98                         | 522.93     | 2,339.71             | 2,266.96              | 72.75                   | 32.160            |                    |         |
| 7,800.00                     | 7,070.02            | 7,052.21            | 6,891.46            | 43.20           | 32.79       | -85.89                | -1,904.58                         | 490.77     | 2,344.23             | 2,270.14              | 74.10                   | 31.637            |                    |         |
| 7,900.00                     | 7,070.03            | 7,000.81            | 6,847.95            | 44.89           | 32.65       | -84.83                | -1,903.13                         | 463.46     | 2,351.76             | 2,276.21              | 75.55                   | 31.128            |                    |         |
| 8,000.00                     | 7,070.04            | 6,951.18            | 6,805.37            | 46.69           | 32.50       | -83.79                | -1,901.62                         | 438.00     | 2,362.38             | 2,285.31              | 77.07                   | 30.652            |                    |         |
| 8,100.00                     | 7,070.05            | 6,939.00            | 6,794.85            | 48.60           | 32.47       | -83.53                | -1,901.24                         | 431.87     | 2,376.41             | 2,297.58              | 78.83                   | 30.147            |                    |         |
| 8,200.00                     | 7,070.05            | 6,901.34            | 6,761.83            | 50.59           | 32.36       | -82.73                | -1,900.22                         | 413.80     | 2,393.82             | 2,313.35              | 80.47                   | 29.747            |                    |         |
| 8,300.00                     | 7,070.06            | 6,882.50            | 6,745.00            | 52.66           | 32.30       | -82.32                | -1,899.86                         | 405.36     | 2,415.00             | 2,332.79              | 82.21                   | 29.376            |                    |         |
| 8,400.00                     | 7,070.07            | 6,846.00            | 6,711.81            | 54.81           | 32.19       | -81.52                | -1,899.42                         | 390.17     | 2,439.97             | 2,356.14              | 83.83                   | 29.106            |                    |         |
| 8,500.00                     | 7,070.08            | 6,846.00            | 6,711.81            | 57.02           | 32.19       | -81.52                | -1,899.42                         | 390.17     | 2,468.08             | 2,382.47              | 85.61                   | 28.830            |                    |         |
| 8,600.00                     | 7,070.09            | 6,846.00            | 6,711.81            | 59.28           | 32.19       | -81.52                | -1,899.42                         | 390.17     | 2,499.88             | 2,412.55              | 87.33                   | 28.626            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 436-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,818.37            | 6,686.29            | 61.60           | 32.10       | -80.91                | -1,899.33                         | 379.56     | 2,534.86             | 2,446.00              | 88.86                   | 28.528            |                    |         |
| 8,800.00                     | 7,070.11            | 6,803.91            | 6,672.85            | 63.95           | 32.05       | -80.58                | -1,899.36                         | 374.26     | 2,573.10             | 2,482.72              | 90.38                   | 28.470            |                    |         |
| 8,900.00                     | 7,070.12            | 6,790.34            | 6,660.16            | 66.35           | 32.01       | -80.28                | -1,899.44                         | 369.43     | 2,614.41             | 2,522.57              | 91.83                   | 28.469 SF         |                    |         |
| 9,000.00                     | 7,070.13            | 6,752.00            | 6,624.04            | 68.79           | 31.89       | -79.42                | -1,899.94                         | 356.61     | 2,659.01             | 2,565.91              | 93.10                   | 28.561            |                    |         |
| 9,100.00                     | 7,070.13            | 6,752.00            | 6,624.04            | 71.25           | 31.89       | -79.42                | -1,899.94                         | 356.61     | 2,705.84             | 2,611.38              | 94.47                   | 28.643            |                    |         |
| 9,200.00                     | 7,070.14            | 6,752.00            | 6,624.04            | 73.74           | 31.89       | -79.42                | -1,899.94                         | 356.61     | 2,755.52             | 2,659.77              | 95.75                   | 28.778            |                    |         |
| 9,300.00                     | 7,070.15            | 6,752.00            | 6,624.04            | 76.26           | 31.89       | -79.42                | -1,899.94                         | 356.61     | 2,807.87             | 2,710.92              | 96.95                   | 28.962            |                    |         |
| 9,400.00                     | 7,070.16            | 6,725.00            | 6,598.35            | 78.80           | 31.80       | -78.82                | -1,900.38                         | 348.31     | 2,862.49             | 2,764.53              | 97.97                   | 29.219            |                    |         |
| 9,500.00                     | 7,070.17            | 6,711.63            | 6,585.55            | 81.37           | 31.75       | -78.51                | -1,900.55                         | 344.43     | 2,919.43             | 2,820.47              | 98.96                   | 29.500            |                    |         |
| 9,600.00                     | 7,070.18            | 6,699.26            | 6,573.67            | 83.95           | 31.71       | -78.23                | -1,900.69                         | 340.98     | 2,978.52             | 2,878.63              | 99.89                   | 29.817            |                    |         |
| 9,700.00                     | 7,070.19            | 6,687.78            | 6,562.62            | 86.55           | 31.67       | -77.97                | -1,900.80                         | 337.90     | 3,039.64             | 2,938.88              | 100.76                  | 30.167            |                    |         |
| 9,800.00                     | 7,070.20            | 6,657.00            | 6,532.82            | 89.17           | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,102.85             | 3,001.37              | 101.48                  | 30.576            |                    |         |
| 9,900.00                     | 7,070.21            | 6,657.00            | 6,532.82            | 91.80           | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,167.60             | 3,065.33              | 102.27                  | 30.974            |                    |         |
| 10,000.00                    | 7,070.21            | 6,657.00            | 6,532.82            | 94.44           | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,234.14             | 3,131.14              | 102.99                  | 31.401            |                    |         |
| 10,100.00                    | 7,070.22            | 6,657.00            | 6,532.82            | 97.10           | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,302.37             | 3,198.71              | 103.66                  | 31.856            |                    |         |
| 10,200.00                    | 7,070.23            | 6,657.00            | 6,532.82            | 99.77           | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,372.19             | 3,267.90              | 104.28                  | 32.337            |                    |         |
| 10,300.00                    | 7,070.24            | 6,657.00            | 6,532.82            | 102.44          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,443.49             | 3,338.64              | 104.85                  | 32.842            |                    |         |
| 10,400.00                    | 7,070.25            | 6,657.00            | 6,532.82            | 105.13          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,516.19             | 3,410.82              | 105.37                  | 33.369            |                    |         |
| 10,500.00                    | 7,070.26            | 6,657.00            | 6,532.82            | 107.83          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,590.21             | 3,484.36              | 105.85                  | 33.917            |                    |         |
| 10,600.00                    | 7,070.27            | 6,657.00            | 6,532.82            | 110.53          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,665.46             | 3,559.17              | 106.30                  | 34.484            |                    |         |
| 10,700.00                    | 7,070.28            | 6,657.00            | 6,532.82            | 113.24          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,741.87             | 3,635.17              | 106.70                  | 35.068            |                    |         |
| 10,800.00                    | 7,070.28            | 6,657.00            | 6,532.82            | 115.96          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,819.37             | 3,712.29              | 107.08                  | 35.670            |                    |         |
| 10,900.00                    | 7,070.29            | 6,657.00            | 6,532.82            | 118.69          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,897.89             | 3,790.48              | 107.42                  | 36.287            |                    |         |
| 11,000.00                    | 7,070.30            | 6,657.00            | 6,532.82            | 121.42          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 3,977.38             | 3,869.65              | 107.74                  | 36.918            |                    |         |
| 11,100.00                    | 7,070.31            | 6,657.00            | 6,532.82            | 124.16          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 4,057.78             | 3,949.75              | 108.03                  | 37.563            |                    |         |
| 11,200.00                    | 7,070.32            | 6,657.00            | 6,532.82            | 126.90          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 4,139.03             | 4,030.74              | 108.29                  | 38.221            |                    |         |
| 11,300.00                    | 7,070.33            | 6,657.00            | 6,532.82            | 129.65          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 4,221.08             | 4,112.55              | 108.54                  | 38.891            |                    |         |
| 11,400.00                    | 7,070.34            | 6,657.00            | 6,532.82            | 132.40          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 4,303.90             | 4,195.14              | 108.76                  | 39.571            |                    |         |
| 11,500.00                    | 7,070.35            | 6,657.00            | 6,532.82            | 135.16          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 4,387.43             | 4,278.46              | 108.97                  | 40.262            |                    |         |
| 11,600.00                    | 7,070.36            | 6,657.00            | 6,532.82            | 137.92          | 31.57       | -77.28                | -1,900.98                         | 330.19     | 4,471.64             | 4,362.47              | 109.16                  | 40.963            |                    |         |
| 11,700.00                    | 7,070.36            | 6,615.05            | 6,491.66            | 140.69          | 31.42       | -76.32                | -1,901.07                         | 322.15     | 4,554.63             | 4,445.39              | 109.25                  | 41.690            |                    |         |
| 11,800.00                    | 7,070.37            | 6,613.56            | 6,490.19            | 143.46          | 31.42       | -76.28                | -1,901.07                         | 321.94     | 4,639.94             | 4,530.53              | 109.41                  | 42.408            |                    |         |
| 11,900.00                    | 7,070.38            | 6,612.14            | 6,488.79            | 146.23          | 31.41       | -76.25                | -1,901.07                         | 321.74     | 4,725.82             | 4,616.26              | 109.56                  | 43.135            |                    |         |
| 12,000.00                    | 7,070.39            | 6,610.78            | 6,487.44            | 149.01          | 31.41       | -76.22                | -1,901.07                         | 321.55     | 4,812.24             | 4,702.54              | 109.70                  | 43.869            |                    |         |
| 12,100.00                    | 7,070.40            | 6,609.48            | 6,486.15            | 151.79          | 31.40       | -76.19                | -1,901.07                         | 321.38     | 4,899.18             | 4,789.35              | 109.82                  | 44.610            |                    |         |
| 12,200.00                    | 7,070.41            | 6,608.23            | 6,484.91            | 154.57          | 31.40       | -76.16                | -1,901.07                         | 321.21     | 4,986.60             | 4,876.66              | 109.94                  | 45.357            |                    |         |
| 12,300.00                    | 7,070.42            | 6,607.03            | 6,483.72            | 157.35          | 31.39       | -76.13                | -1,901.07                         | 321.06     | 5,074.48             | 4,964.43              | 110.05                  | 46.111            |                    |         |
| 12,400.00                    | 7,070.43            | 6,605.88            | 6,482.58            | 160.14          | 31.39       | -76.11                | -1,901.07                         | 320.91     | 5,162.80             | 5,052.65              | 110.15                  | 46.871            |                    |         |
| 12,500.00                    | 7,070.44            | 6,563.00            | 6,439.85            | 162.93          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 5,253.41             | 5,143.30              | 110.11                  | 47.710            |                    |         |
| 12,600.00                    | 7,070.44            | 6,563.00            | 6,439.85            | 165.72          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 5,342.45             | 5,232.25              | 110.20                  | 48.479            |                    |         |
| 12,700.00                    | 7,070.45            | 6,563.00            | 6,439.85            | 168.52          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 5,431.88             | 5,321.59              | 110.29                  | 49.252            |                    |         |
| 12,800.00                    | 7,070.46            | 6,563.00            | 6,439.85            | 171.32          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 5,521.66             | 5,411.30              | 110.37                  | 50.031            |                    |         |
| 12,900.00                    | 7,070.47            | 6,563.00            | 6,439.85            | 174.11          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 5,611.79             | 5,501.36              | 110.44                  | 50.814            |                    |         |
| 13,000.00                    | 7,070.48            | 6,563.00            | 6,439.85            | 176.92          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 5,702.25             | 5,591.75              | 110.51                  | 51.601            |                    |         |
| 13,100.00                    | 7,070.49            | 6,563.00            | 6,439.85            | 179.72          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 5,793.03             | 5,682.46              | 110.57                  | 52.393            |                    |         |
| 13,200.00                    | 7,070.50            | 6,563.00            | 6,439.85            | 182.52          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 5,884.10             | 5,773.47              | 110.63                  | 53.188            |                    |         |
| 13,300.00                    | 7,070.51            | 6,563.00            | 6,439.85            | 185.33          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 5,975.46             | 5,864.78              | 110.68                  | 53.987            |                    |         |
| 13,400.00                    | 7,070.52            | 6,563.00            | 6,439.85            | 188.14          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,067.09             | 5,956.36              | 110.73                  | 54.789            |                    |         |
| 13,500.00                    | 7,070.52            | 6,563.00            | 6,439.85            | 190.95          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,158.98             | 6,048.20              | 110.78                  | 55.595            |                    |         |
| 13,600.00                    | 7,070.53            | 6,563.00            | 6,439.85            | 193.76          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,251.12             | 6,140.29              | 110.83                  | 56.404            |                    |         |
| 13,700.00                    | 7,070.54            | 6,563.00            | 6,439.85            | 196.57          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,343.50             | 6,232.63              | 110.87                  | 57.215            |                    |         |
| 13,800.00                    | 7,070.55            | 6,563.00            | 6,439.85            | 199.38          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,436.11             | 6,325.20              | 110.91                  | 58.029            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 436-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,563.00            | 6,439.85            | 202.20          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,528.93             | 6,417.98              | 110.95                  | 58.846            |                    |         |
| 14,000.00                    | 7,070.57            | 6,563.00            | 6,439.85            | 205.01          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,621.96             | 6,510.98              | 110.99                  | 59.665            |                    |         |
| 14,100.00                    | 7,070.58            | 6,563.00            | 6,439.85            | 207.83          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,715.20             | 6,604.18              | 111.02                  | 60.486            |                    |         |
| 14,200.00                    | 7,070.59            | 6,563.00            | 6,439.85            | 210.65          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,808.62             | 6,697.57              | 111.05                  | 61.309            |                    |         |
| 14,300.00                    | 7,070.60            | 6,563.00            | 6,439.85            | 213.47          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,902.23             | 6,791.15              | 111.08                  | 62.135            |                    |         |
| 14,400.00                    | 7,070.60            | 6,563.00            | 6,439.85            | 216.29          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 6,996.02             | 6,884.91              | 111.11                  | 62.962            |                    |         |
| 14,500.00                    | 7,070.61            | 6,563.00            | 6,439.85            | 219.11          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,089.98             | 6,978.83              | 111.14                  | 63.791            |                    |         |
| 14,600.00                    | 7,070.62            | 6,563.00            | 6,439.85            | 221.94          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,184.10             | 7,072.93              | 111.17                  | 64.622            |                    |         |
| 14,700.00                    | 7,070.63            | 6,563.00            | 6,439.85            | 224.76          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,278.37             | 7,167.18              | 111.20                  | 65.454            |                    |         |
| 14,800.00                    | 7,070.64            | 6,563.00            | 6,439.85            | 227.58          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,372.80             | 7,261.58              | 111.22                  | 66.288            |                    |         |
| 14,900.00                    | 7,070.65            | 6,563.00            | 6,439.85            | 230.41          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,467.37             | 7,356.12              | 111.25                  | 67.123            |                    |         |
| 15,000.00                    | 7,070.66            | 6,563.00            | 6,439.85            | 233.24          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,562.08             | 7,450.81              | 111.27                  | 67.959            |                    |         |
| 15,100.00                    | 7,070.67            | 6,563.00            | 6,439.85            | 236.06          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,656.93             | 7,545.63              | 111.30                  | 68.797            |                    |         |
| 15,200.00                    | 7,070.68            | 6,563.00            | 6,439.85            | 238.89          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,751.91             | 7,640.59              | 111.32                  | 69.635            |                    |         |
| 15,300.00                    | 7,070.68            | 6,563.00            | 6,439.85            | 241.72          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,847.01             | 7,735.66              | 111.35                  | 70.475            |                    |         |
| 15,400.00                    | 7,070.69            | 6,563.00            | 6,439.85            | 244.55          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 7,942.23             | 7,830.86              | 111.37                  | 71.315            |                    |         |
| 15,500.00                    | 7,070.70            | 6,563.00            | 6,439.85            | 247.38          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,037.57             | 7,926.18              | 111.39                  | 72.157            |                    |         |
| 15,600.00                    | 7,070.71            | 6,563.00            | 6,439.85            | 250.21          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,133.02             | 8,021.60              | 111.41                  | 72.999            |                    |         |
| 15,700.00                    | 7,070.72            | 6,563.00            | 6,439.85            | 253.04          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,228.57             | 8,117.14              | 111.44                  | 73.842            |                    |         |
| 15,800.00                    | 7,070.73            | 6,563.00            | 6,439.85            | 255.87          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,324.24             | 8,212.78              | 111.46                  | 74.685            |                    |         |
| 15,900.00                    | 7,070.74            | 6,563.00            | 6,439.85            | 258.71          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,420.00             | 8,308.52              | 111.48                  | 75.529            |                    |         |
| 16,000.00                    | 7,070.75            | 6,563.00            | 6,439.85            | 261.54          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,515.86             | 8,404.36              | 111.50                  | 76.374            |                    |         |
| 16,100.00                    | 7,070.76            | 6,563.00            | 6,439.85            | 264.37          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,611.81             | 8,500.29              | 111.52                  | 77.219            |                    |         |
| 16,200.00                    | 7,070.76            | 6,563.00            | 6,439.85            | 267.21          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,707.86             | 8,596.31              | 111.55                  | 78.065            |                    |         |
| 16,300.00                    | 7,070.77            | 6,563.00            | 6,439.85            | 270.04          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,803.99             | 8,692.42              | 111.57                  | 78.910            |                    |         |
| 16,400.00                    | 7,070.78            | 6,563.00            | 6,439.85            | 272.88          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,900.21             | 8,788.62              | 111.59                  | 79.757            |                    |         |
| 16,500.00                    | 7,070.79            | 6,563.00            | 6,439.85            | 275.71          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 8,996.51             | 8,884.90              | 111.61                  | 80.603            |                    |         |
| 16,600.00                    | 7,070.80            | 6,563.00            | 6,439.85            | 278.55          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,092.89             | 8,981.25              | 111.64                  | 81.450            |                    |         |
| 16,700.00                    | 7,070.81            | 6,563.00            | 6,439.85            | 281.39          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,189.35             | 9,077.69              | 111.66                  | 82.297            |                    |         |
| 16,800.00                    | 7,070.82            | 6,563.00            | 6,439.85            | 284.22          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,285.88             | 9,174.20              | 111.68                  | 83.144            |                    |         |
| 16,900.00                    | 7,070.83            | 6,563.00            | 6,439.85            | 287.06          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,382.49             | 9,270.78              | 111.71                  | 83.991            |                    |         |
| 17,000.00                    | 7,070.84            | 6,563.00            | 6,439.85            | 289.90          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,479.16             | 9,367.43              | 111.73                  | 84.838            |                    |         |
| 17,100.00                    | 7,070.84            | 6,563.00            | 6,439.85            | 292.74          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,575.91             | 9,464.15              | 111.76                  | 85.685            |                    |         |
| 17,200.00                    | 7,070.85            | 6,563.00            | 6,439.85            | 295.58          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,672.72             | 9,560.94              | 111.78                  | 86.532            |                    |         |
| 17,300.00                    | 7,070.86            | 6,563.00            | 6,439.85            | 298.42          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,769.59             | 9,657.79              | 111.81                  | 87.379            |                    |         |
| 17,400.00                    | 7,070.87            | 6,563.00            | 6,439.85            | 301.26          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,866.53             | 9,754.70              | 111.83                  | 88.226            |                    |         |
| 17,500.00                    | 7,070.88            | 6,563.00            | 6,439.85            | 304.10          | 31.24       | -75.12                | -1,901.03                         | 317.57     | 9,963.53             | 9,851.67              | 111.86                  | 89.073            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 249-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 147.00                | -777.79                           | 505.04     | 927.44               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 91.09               | 91.09               | 3.28            | 3.29        | 146.99                | -777.54                           | 505.23     | 927.27               | 920.70                | 6.57                    | 141.120           |                    |         |
| 200.00                       | 200.00              | 193.43              | 193.43              | 3.34            | 3.31        | 146.92                | -776.68                           | 505.90     | 926.92               | 920.28                | 6.64                    | 139.502           |                    |         |
| 300.00                       | 300.00              | 291.28              | 291.26              | 3.44            | 3.36        | 146.82                | -775.37                           | 507.02     | 926.43               | 919.62                | 6.81                    | 136.131           |                    |         |
| 400.00                       | 399.98              | 383.81              | 383.77              | 3.60            | 3.47        | 174.30                | -774.43                           | 508.72     | 926.12               | 919.04                | 7.07                    | 130.952           |                    |         |
| 500.00                       | 499.84              | 476.86              | 476.79              | 3.80            | 3.62        | 74.47                 | -774.03                           | 510.95     | 925.66               | 918.23                | 7.42                    | 124.684           |                    |         |
| 600.00                       | 599.45              | 569.48              | 569.39              | 4.04            | 3.81        | 74.92                 | -774.93                           | 512.39     | 925.01               | 917.16                | 7.85                    | 117.850           |                    |         |
| 700.00                       | 698.70              | 657.88              | 657.76              | 4.32            | 4.01        | 75.63                 | -777.27                           | 512.90     | 924.47               | 916.14                | 8.33                    | 111.002           |                    |         |
| 722.79                       | 721.25              | 677.09              | 676.95              | 4.39            | 4.06        | 75.82                 | -778.06                           | 512.87     | 924.45               | 916.00                | 8.44                    | 109.476 CC        |                    |         |
| 800.00                       | 797.47              | 739.74              | 739.51              | 4.63            | 4.22        | 76.55                 | -781.46                           | 512.39     | 924.79               | 915.94                | 8.85                    | 104.496 ES        |                    |         |
| 900.00                       | 895.62              | 815.72              | 815.20              | 4.97            | 4.44        | 77.65                 | -787.78                           | 510.97     | 926.86               | 917.45                | 9.41                    | 98.524            |                    |         |
| 924.00                       | 919.08              | 834.69              | 834.07              | 5.06            | 4.49        | 77.96                 | -789.74                           | 510.45     | 927.66               | 918.11                | 9.55                    | 97.139            |                    |         |
| 1,000.00                     | 993.28              | 894.04              | 892.95              | 5.34            | 4.67        | 79.06                 | -796.85                           | 508.16     | 931.14               | 921.13                | 10.01                   | 92.981            |                    |         |
| 1,100.00                     | 1,090.92            | 963.85              | 961.88              | 5.73            | 4.90        | 80.45                 | -807.22                           | 504.48     | 938.52               | 927.88                | 10.63                   | 88.261            |                    |         |
| 1,200.00                     | 1,188.56            | 1,041.44            | 1,038.02            | 6.15            | 5.16        | 82.07                 | -821.26                           | 499.66     | 949.40               | 938.10                | 11.30                   | 84.024            |                    |         |
| 1,300.00                     | 1,286.19            | 1,129.03            | 1,123.81            | 6.57            | 5.48        | 83.91                 | -837.99                           | 493.89     | 962.29               | 950.28                | 12.02                   | 80.081            |                    |         |
| 1,400.00                     | 1,383.83            | 1,214.20            | 1,207.22            | 7.01            | 5.80        | 85.61                 | -854.53                           | 489.07     | 976.97               | 964.22                | 12.75                   | 76.617            |                    |         |
| 1,500.00                     | 1,481.47            | 1,294.62            | 1,285.81            | 7.46            | 6.13        | 87.19                 | -871.03                           | 484.73     | 993.81               | 980.34                | 13.48                   | 73.730            |                    |         |
| 1,600.00                     | 1,579.10            | 1,377.28            | 1,366.36            | 7.91            | 6.47        | 88.80                 | -889.00                           | 480.03     | 1,012.77             | 998.54                | 14.23                   | 71.188            |                    |         |
| 1,700.00                     | 1,676.74            | 1,470.11            | 1,456.66            | 8.37            | 6.87        | 90.57                 | -909.73                           | 474.32     | 1,033.22             | 1,018.18              | 15.04                   | 68.719            |                    |         |
| 1,800.00                     | 1,774.38            | 1,557.21            | 1,541.27            | 8.84            | 7.26        | 92.22                 | -929.51                           | 468.30     | 1,054.88             | 1,039.06              | 15.83                   | 66.657            |                    |         |
| 1,900.00                     | 1,872.02            | 1,648.87            | 1,630.27            | 9.31            | 7.67        | 93.88                 | -950.56                           | 462.17     | 1,077.82             | 1,061.17              | 16.65                   | 64.739            |                    |         |
| 2,000.00                     | 1,969.65            | 1,741.38            | 1,720.27            | 9.79            | 8.10        | 95.41                 | -971.50                           | 457.62     | 1,101.61             | 1,084.12              | 17.48                   | 63.007            |                    |         |
| 2,100.00                     | 2,067.29            | 1,834.24            | 1,810.66            | 10.27           | 8.53        | 96.84                 | -992.40                           | 453.90     | 1,126.16             | 1,107.83              | 18.33                   | 61.446            |                    |         |
| 2,200.00                     | 2,164.93            | 1,941.59            | 1,915.36            | 10.75           | 9.04        | 98.36                 | -1,015.86                         | 450.70     | 1,150.89             | 1,131.62              | 19.27                   | 59.728            |                    |         |
| 2,300.00                     | 2,262.56            | 2,036.61            | 2,008.13            | 11.24           | 9.49        | 99.72                 | -1,035.97                         | 446.53     | 1,175.44             | 1,155.31              | 20.14                   | 58.369            |                    |         |
| 2,400.00                     | 2,360.20            | 2,140.80            | 2,109.85            | 11.73           | 9.98        | 101.22                | -1,057.68                         | 440.25     | 1,200.23             | 1,179.16              | 21.07                   | 56.958            |                    |         |
| 2,500.00                     | 2,457.84            | 2,259.64            | 2,226.32            | 12.22           | 10.54       | 102.81                | -1,080.39                         | 434.00     | 1,224.01             | 1,201.91              | 22.10                   | 55.377            |                    |         |
| 2,600.00                     | 2,555.48            | 2,358.57            | 2,323.55            | 12.71           | 11.01       | 104.07                | -1,097.98                         | 429.14     | 1,247.12             | 1,224.11              | 23.01                   | 54.204            |                    |         |
| 2,700.00                     | 2,653.11            | 2,467.91            | 2,431.06            | 13.20           | 11.52       | 105.39                | -1,117.24                         | 424.02     | 1,270.67             | 1,246.69              | 23.98                   | 52.986            |                    |         |
| 2,800.00                     | 2,750.75            | 2,565.50            | 2,517.41            | 13.70           | 11.93       | 106.39                | -1,131.45                         | 420.32     | 1,293.34             | 1,268.52              | 24.82                   | 52.117            |                    |         |
| 2,900.00                     | 2,848.39            | 2,647.71            | 2,608.08            | 14.19           | 12.37       | 107.41                | -1,147.82                         | 416.61     | 1,317.86             | 1,292.18              | 25.68                   | 51.314            |                    |         |
| 3,000.00                     | 2,946.02            | 2,737.01            | 2,696.04            | 14.69           | 12.79       | 108.35                | -1,162.85                         | 413.31     | 1,341.93             | 1,315.40              | 26.53                   | 50.581            |                    |         |
| 3,100.00                     | 3,043.66            | 2,812.22            | 2,769.85            | 15.19           | 13.15       | 109.15                | -1,176.80                         | 409.55     | 1,368.03             | 1,340.75              | 27.28                   | 50.152            |                    |         |
| 3,200.00                     | 3,141.30            | 2,917.30            | 2,873.01            | 15.69           | 13.66       | 110.24                | -1,196.07                         | 404.31     | 1,394.38             | 1,366.14              | 28.24                   | 49.373            |                    |         |
| 3,300.00                     | 3,238.94            | 3,047.23            | 3,000.82            | 16.19           | 14.28       | 111.51                | -1,218.68                         | 398.20     | 1,420.41             | 1,391.04              | 29.38                   | 48.349            |                    |         |
| 3,400.00                     | 3,336.57            | 3,125.70            | 3,078.26            | 16.69           | 14.65       | 112.24                | -1,230.88                         | 395.00     | 1,444.86             | 1,414.71              | 30.15                   | 47.917            |                    |         |
| 3,500.00                     | 3,434.21            | 3,190.82            | 3,142.28            | 17.19           | 14.96       | 112.83                | -1,242.49                         | 392.18     | 1,471.68             | 1,440.85              | 30.83                   | 47.742            |                    |         |
| 3,600.00                     | 3,531.85            | 3,273.98            | 3,223.79            | 17.69           | 15.37       | 113.52                | -1,258.71                         | 389.38     | 1,500.24             | 1,468.61              | 31.63                   | 47.431            |                    |         |
| 3,700.00                     | 3,629.48            | 3,406.21            | 3,353.88            | 18.20           | 16.01       | 114.55                | -1,282.08                         | 385.96     | 1,526.97             | 1,494.16              | 32.81                   | 46.540            |                    |         |
| 3,800.00                     | 3,727.12            | 3,490.08            | 3,436.44            | 18.70           | 16.41       | 115.20                | -1,296.67                         | 383.45     | 1,554.02             | 1,520.40              | 33.62                   | 46.220            |                    |         |
| 3,900.00                     | 3,824.76            | 3,574.37            | 3,519.30            | 19.21           | 16.82       | 115.83                | -1,311.87                         | 380.68     | 1,581.94             | 1,547.51              | 34.44                   | 45.937            |                    |         |
| 4,000.00                     | 3,922.40            | 3,667.12            | 3,610.39            | 19.71           | 17.27       | 116.51                | -1,329.00                         | 377.39     | 1,610.55             | 1,575.23              | 35.32                   | 45.601            |                    |         |
| 4,100.00                     | 4,020.03            | 3,763.98            | 3,705.60            | 20.21           | 17.74       | 117.23                | -1,346.34                         | 373.21     | 1,639.00             | 1,602.76              | 36.23                   | 45.236            |                    |         |
| 4,200.00                     | 4,117.67            | 3,838.10            | 3,778.38            | 20.72           | 18.10       | 117.76                | -1,359.96                         | 369.95     | 1,668.17             | 1,631.20              | 36.96                   | 45.130            |                    |         |
| 4,300.00                     | 4,215.31            | 3,892.55            | 3,831.64            | 21.23           | 18.37       | 118.14                | -1,370.98                         | 367.33     | 1,699.34             | 1,661.82              | 37.52                   | 45.291            |                    |         |
| 4,400.00                     | 4,312.94            | 3,954.48            | 3,891.91            | 21.73           | 18.69       | 118.56                | -1,384.82                         | 364.06     | 1,732.70             | 1,694.57              | 38.13                   | 45.443            |                    |         |
| 4,500.00                     | 4,410.58            | 4,031.26            | 3,966.38            | 22.24           | 19.08       | 119.06                | -1,403.08                         | 360.12     | 1,767.56             | 1,728.69              | 38.87                   | 45.473            |                    |         |
| 4,600.00                     | 4,508.22            | 4,142.17            | 4,074.06            | 22.75           | 19.66       | 119.78                | -1,428.78                         | 353.39     | 1,802.28             | 1,762.34              | 39.93                   | 45.131            |                    |         |
| 4,700.00                     | 4,605.86            | 4,336.08            | 4,263.57            | 23.25           | 20.63       | 121.05                | -1,467.78                         | 340.98     | 1,834.83             | 1,793.14              | 41.70                   | 44.002            |                    |         |
| 4,800.00                     | 4,703.49            | 4,450.79            | 4,376.55            | 23.76           | 21.18       | 121.78                | -1,486.50                         | 334.47     | 1,863.52             | 1,820.76              | 42.75                   | 43.588            |                    |         |
| 4,900.00                     | 4,801.13            | 4,532.94            | 4,457.49            | 24.27           | 21.58       | 122.26                | -1,499.97                         | 330.44     | 1,892.31             | 1,848.76              | 43.55                   | 43.450            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 249-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                     | 4,898.77            | 4,620.09            | 4,543.20            | 24.77           | 22.00       | 122.73                | -1,515.29                         | 326.97     | 1,922.04             | 1,877.65              | 44.39                   | 43.299            |                    |         |
| 5,100.00                     | 4,996.40            | 4,731.25            | 4,652.64            | 25.28           | 22.54       | 123.32                | -1,534.29                         | 322.34     | 1,951.54             | 1,906.12              | 45.42                   | 42.964            |                    |         |
| 5,200.00                     | 5,094.04            | 4,884.25            | 4,803.73            | 25.79           | 23.27       | 124.19                | -1,556.76                         | 313.80     | 1,979.50             | 1,932.74              | 46.76                   | 42.335            |                    |         |
| 5,300.00                     | 5,191.68            | 5,028.38            | 4,946.62            | 26.30           | 23.93       | 125.03                | -1,573.67                         | 305.54     | 2,004.97             | 1,956.99              | 47.99                   | 41.782            |                    |         |
| 5,400.00                     | 5,289.32            | 5,142.01            | 5,059.54            | 26.81           | 24.45       | 125.65                | -1,585.18                         | 300.26     | 2,028.76             | 1,979.76              | 48.99                   | 41.408            |                    |         |
| 5,500.00                     | 5,386.95            | 5,442.89            | 5,359.72            | 27.32           | 25.70       | 127.32                | -1,598.98                         | 288.68     | 2,047.17             | 1,996.26              | 50.91                   | 40.213            |                    |         |
| 5,600.00                     | 5,484.59            | 5,531.24            | 5,448.04            | 27.83           | 26.04       | 127.80                | -1,599.38                         | 286.52     | 2,061.80             | 2,010.06              | 51.74                   | 39.848            |                    |         |
| 5,700.00                     | 5,582.23            | 5,647.14            | 5,563.93            | 28.33           | 26.48       | 128.41                | -1,599.21                         | 284.23     | 2,075.90             | 2,023.22              | 52.68                   | 39.408            |                    |         |
| 5,800.00                     | 5,679.87            | 5,756.61            | 5,673.36            | 28.84           | 26.89       | 128.99                | -1,598.73                         | 281.76     | 2,090.07             | 2,036.49              | 53.58                   | 39.008            |                    |         |
| 5,900.00                     | 5,777.50            | 5,879.16            | 5,795.89            | 29.35           | 27.34       | 129.60                | -1,596.87                         | 280.74     | 2,102.79             | 2,048.28              | 54.52                   | 38.571            |                    |         |
| 6,000.00                     | 5,875.14            | 5,973.26            | 5,889.98            | 29.86           | 27.68       | 130.02                | -1,595.81                         | 281.50     | 2,115.47             | 2,060.11              | 55.36                   | 38.215            |                    |         |
| 6,100.00                     | 5,972.78            | 6,066.02            | 5,982.74            | 30.37           | 28.01       | 130.43                | -1,594.94                         | 282.06     | 2,128.52             | 2,072.32              | 56.19                   | 37.879            |                    |         |
| 6,200.00                     | 6,070.41            | 6,163.09            | 6,079.80            | 30.88           | 28.36       | 130.88                | -1,593.91                         | 281.99     | 2,141.84             | 2,084.79              | 57.04                   | 37.547            |                    |         |
| 6,300.00                     | 6,168.05            | 6,268.29            | 6,181.41            | 31.39           | 28.61       | 131.15                | -1,596.58                         | 281.76     | 2,148.36             | 2,087.90              | 60.46                   | 35.535            |                    |         |
| 6,400.00                     | 6,265.69            | 6,368.57            | 6,281.50            | 31.90           | 28.86       | 131.47                | -1,577.09                         | 280.74     | 2,116.12             | 2,053.83              | 62.28                   | 33.977            |                    |         |
| 6,439.09                     | 6,303.85            | 6,402.80            | 6,316.56            | 32.10           | 28.42       | 131.75                | -1,577.30                         | 280.90     | 2,104.64             | 2,041.66              | 62.98                   | 33.417            |                    |         |
| 6,450.00                     | 6,314.53            | 6,463.96            | 6,377.58            | 32.16           | 28.44       | 131.91                | -1,577.36                         | 280.95     | 2,101.54             | 2,038.37              | 63.17                   | 33.266            |                    |         |
| 6,500.00                     | 6,363.83            | 6,513.17            | 6,426.66            | 32.39           | 28.50       | 132.92                | -1,577.58                         | 280.66     | 2,087.76             | 2,023.74              | 64.02                   | 32.612            |                    |         |
| 6,550.00                     | 6,413.58            | 6,563.50            | 6,476.71            | 32.60           | 28.53       | 133.22                | -1,577.70                         | 280.99     | 2,074.73             | 2,009.94              | 64.80                   | 32.019            |                    |         |
| 6,600.00                     | 6,463.45            | 6,613.84            | 6,526.72            | 32.79           | 28.54       | -143.08               | -1,577.72                         | 280.92     | 2,062.58             | 1,997.07              | 65.51                   | 31.487            |                    |         |
| 6,650.00                     | 6,513.15            | 6,663.05            | 6,576.68            | 32.97           | 28.51       | -116.56               | -1,577.62                         | 280.54     | 2,051.38             | 1,985.23              | 66.15                   | 31.013            |                    |         |
| 6,700.00                     | 6,562.37            | 6,712.00            | 6,622.60            | 33.15           | 28.45       | -107.37               | -1,577.41                         | 280.50     | 2,041.22             | 1,974.49              | 66.73                   | 30.591            |                    |         |
| 6,750.00                     | 6,610.80            | 6,760.59            | 6,670.50            | 33.34           | 28.36       | -103.20               | -1,577.09                         | 280.10     | 2,032.15             | 1,964.91              | 67.24                   | 30.222            |                    |         |
| 6,800.00                     | 6,658.14            | 6,808.71            | 6,718.42            | 33.53           | 28.23       | -100.90               | -1,576.65                         | 279.22     | 2,024.20             | 1,956.51              | 67.69                   | 29.903            |                    |         |
| 6,850.00                     | 6,704.11            | 6,854.26            | 6,764.00            | 33.74           | 28.06       | -99.42                | -1,576.11                         | 278.79     | 2,017.39             | 1,949.31              | 68.08                   | 29.634            |                    |         |
| 6,900.00                     | 6,748.42            | 6,898.19            | 6,808.52            | 33.97           | 27.86       | -98.34                | -1,575.49                         | 278.73     | 2,011.69             | 1,943.29              | 68.40                   | 29.411            |                    |         |
| 6,950.00                     | 6,790.79            | 6,940.00            | 6,850.99            | 34.21           | 27.55       | -97.35                | -1,574.62                         | 278.56     | 2,007.08             | 1,938.49              | 68.59                   | 29.262            |                    |         |
| 7,000.00                     | 6,830.97            | 6,980.13            | 6,890.41            | 34.48           | 27.34       | -96.62                | -1,574.00                         | 278.71     | 2,003.47             | 1,934.60              | 68.86                   | 29.093            |                    |         |
| 7,050.00                     | 6,868.71            | 6,962.72            | 6,872.68            | 34.77           | 27.04       | -95.84                | -1,573.28                         | 278.32     | 2,000.77             | 1,931.73              | 69.04                   | 28.980            |                    |         |
| 7,100.00                     | 6,903.77            | 6,997.15            | 6,907.56            | 35.09           | 26.73       | -95.09                | -1,572.69                         | 278.75     | 1,998.93             | 1,929.73              | 69.20                   | 28.886            |                    |         |
| 7,150.00                     | 6,935.93            | 7,029.00            | 6,938.88            | 35.44           | 26.35       | -94.29                | -1,572.21                         | 278.61     | 1,997.89             | 1,928.60              | 69.29                   | 28.834            |                    |         |
| 7,199.17                     | 6,964.56            | 7,058.84            | 6,968.86            | 35.82           | 26.11       | -93.69                | -1,572.03                         | 278.48     | 1,997.55             | 1,928.01              | 69.54                   | 28.725            |                    |         |
| 7,200.00                     | 6,965.01            | 7,059.41            | 6,969.83            | 35.83           | 26.11       | -93.68                | -1,572.03                         | 278.05     | 1,997.55             | 1,928.01              | 69.54                   | 28.724            |                    |         |
| 7,250.00                     | 6,990.82            | 7,085.26            | 7,005.66            | 36.26           | 25.82       | -93.00                | -1,572.03                         | 278.99     | 1,997.89             | 1,928.13              | 69.76                   | 28.639            |                    |         |
| 7,300.00                     | 7,013.20            | 7,108.08            | 7,028.50            | 36.72           | 25.54       | -92.33                | -1,572.27                         | 278.01     | 1,998.85             | 1,928.85              | 70.00                   | 28.554            |                    |         |
| 7,350.00                     | 7,032.02            | 7,127.00            | 7,047.41            | 37.23           | 25.33       | -91.76                | -1,572.61                         | 278.17     | 2,000.39             | 1,930.05              | 70.34                   | 28.439            |                    |         |
| 7,400.00                     | 7,047.15            | 7,142.04            | 7,062.89            | 37.77           | 25.06       | -91.07                | -1,573.38                         | 278.76     | 2,002.47             | 1,931.83              | 70.64                   | 28.346            |                    |         |
| 7,450.00                     | 7,058.51            | 7,153.52            | 7,074.46            | 38.34           | 24.85       | -90.46                | -1,574.28                         | 278.89     | 2,005.09             | 1,934.07              | 71.03                   | 28.230            |                    |         |
| 7,500.00                     | 7,066.02            | 7,161.97            | 7,082.19            | 38.95           | 24.65       | -89.86                | -1,575.42                         | 278.22     | 2,008.20             | 1,936.77              | 71.43                   | 28.115            |                    |         |
| 7,550.00                     | 7,069.64            | 7,165.40            | 7,085.74            | 39.58           | 24.44       | -89.24                | -1,576.98                         | 278.95     | 2,011.72             | 1,939.89              | 71.83                   | 28.008            |                    |         |
| 7,571.20                     | 7,070.00            | 7,166.89            | 7,086.74            | 39.85           | 24.34       | -88.94                | -1,578.01                         | 278.38     | 2,013.27             | 1,941.30              | 71.97                   | 27.974            |                    |         |
| 7,600.00                     | 7,070.00            | 7,167.63            | 7,087.06            | 40.23           | 24.20       | -88.72                | -1,579.43                         | 278.54     | 2,015.44             | 1,943.27              | 72.17                   | 27.927            |                    |         |
| 7,700.00                     | 7,070.01            | 7,188.36            | 7,098.36            | 41.64           | 23.79       | -87.76                | -1,584.92                         | 278.54     | 2,023.81             | 1,950.85              | 72.96                   | 27.740            |                    |         |
| 7,800.00                     | 7,070.02            | 7,204.02            | 7,114.42            | 43.20           | 23.25       | -84.60                | -1,586.94                         | 278.54     | 2,029.75             | 1,956.42              | 73.33                   | 27.681            |                    |         |
| 7,900.00                     | 7,070.03            | 7,218.85            | 7,129.77            | 44.89           | 23.20       | -84.16                | -1,586.65                         | 278.28     | 2,038.41             | 1,963.52              | 74.89                   | 27.220            |                    |         |
| 8,000.00                     | 7,070.04            | 7,233.00            | 7,144.32            | 46.69           | 23.08       | -83.22                | -1,587.38                         | 278.95     | 2,051.70             | 1,975.35              | 76.35                   | 26.872            |                    |         |
| 8,100.00                     | 7,070.05            | 8,100.00            | 8,117.51            | 48.60           | 23.00       | -83.17                | -1,587.41                         | 278.68     | 2,068.24             | 1,985.53              | 82.71                   | 25.006 SF         |                    |         |
| 8,200.00                     | 7,070.05            | 8,174.50            | 8,167.35            | 50.59           | 23.89       | -81.78                | -1,588.71                         | 278.02     | 2,088.72             | 2,009.22              | 79.50                   | 26.273            |                    |         |
| 8,300.00                     | 7,070.06            | 8,245.00            | 8,242.49            | 52.66           | 23.80       | -81.09                | -1,588.62                         | 278.94     | 2,112.05             | 2,030.98              | 81.06                   | 26.054            |                    |         |
| 8,400.00                     | 7,070.07            | 8,313.72            | 8,306.56            | 54.81           | 23.67       | -80.09                | -1,588.14                         | 278.63     | 2,138.85             | 2,056.34              | 82.52                   | 25.921            |                    |         |
| 8,500.00                     | 7,070.08            | 8,382.12            | 8,375.25            | 57.02           | 23.60       | -79.56                | -1,587.84                         | 278.96     | 2,169.56             | 2,085.53              | 84.03                   | 25.819            |                    |         |
| 8,600.00                     | 7,070.09            | 8,451.00            | 8,444.87            | 59.28           | 23.50       | -78.78                | -1,587.36                         | 278.20     | 2,204.06             | 2,118.65              | 85.41                   | 25.805            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 249-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,751.00            | 6,658.87            | 61.60           | 30.50       | -78.78                | -1,587.36                         | 344.20     | 2,242.03             | 2,155.11              | 86.92                   | 25.795            |                    |         |
| 8,800.00                     | 7,070.11            | 6,751.00            | 6,658.87            | 63.95           | 30.50       | -78.78                | -1,587.36                         | 344.20     | 2,283.75             | 2,195.42              | 88.33                   | 25.855            |                    |         |
| 8,900.00                     | 7,070.12            | 6,751.00            | 6,658.87            | 66.35           | 30.50       | -78.78                | -1,587.36                         | 344.20     | 2,329.02             | 2,239.38              | 89.64                   | 25.981            |                    |         |
| 9,000.00                     | 7,070.13            | 6,713.02            | 6,623.55            | 68.79           | 30.37       | -77.81                | -1,587.05                         | 330.26     | 2,376.62             | 2,285.96              | 90.66                   | 26.215            |                    |         |
| 9,100.00                     | 7,070.13            | 6,702.97            | 6,614.11            | 71.25           | 30.33       | -77.56                | -1,587.08                         | 326.83     | 2,427.76             | 2,336.01              | 91.74                   | 26.463            |                    |         |
| 9,200.00                     | 7,070.14            | 6,693.54            | 6,605.20            | 73.74           | 30.30       | -77.32                | -1,587.15                         | 323.71     | 2,481.74             | 2,389.00              | 92.74                   | 26.760            |                    |         |
| 9,300.00                     | 7,070.15            | 6,656.00            | 6,569.46            | 76.26           | 30.17       | -76.36                | -1,587.80                         | 312.25     | 2,538.99             | 2,445.48              | 93.51                   | 27.152            |                    |         |
| 9,400.00                     | 7,070.16            | 6,656.00            | 6,569.46            | 78.80           | 30.17       | -76.36                | -1,587.80                         | 312.25     | 2,597.86             | 2,503.46              | 94.40                   | 27.519            |                    |         |
| 9,500.00                     | 7,070.17            | 6,656.00            | 6,569.46            | 81.37           | 30.17       | -76.36                | -1,587.80                         | 312.25     | 2,659.19             | 2,563.98              | 95.21                   | 27.929            |                    |         |
| 9,600.00                     | 7,070.18            | 6,656.00            | 6,569.46            | 83.95           | 30.17       | -76.36                | -1,587.80                         | 312.25     | 2,722.82             | 2,626.87              | 95.95                   | 28.378            |                    |         |
| 9,700.00                     | 7,070.19            | 6,656.00            | 6,569.46            | 86.55           | 30.17       | -76.36                | -1,587.80                         | 312.25     | 2,788.58             | 2,691.96              | 96.62                   | 28.862            |                    |         |
| 9,800.00                     | 7,070.20            | 6,656.00            | 6,569.46            | 89.17           | 30.17       | -76.36                | -1,587.80                         | 312.25     | 2,856.33             | 2,759.11              | 97.22                   | 29.380            |                    |         |
| 9,900.00                     | 7,070.21            | 6,656.00            | 6,569.46            | 91.80           | 30.17       | -76.36                | -1,587.80                         | 312.25     | 2,925.92             | 2,828.16              | 97.76                   | 29.929            |                    |         |
| 10,000.00                    | 7,070.21            | 6,625.70            | 6,540.29            | 94.44           | 30.06       | -75.58                | -1,588.51                         | 304.12     | 2,996.76             | 2,898.62              | 98.15                   | 30.533            |                    |         |
| 10,100.00                    | 7,070.22            | 6,617.84            | 6,532.67            | 97.10           | 30.03       | -75.38                | -1,588.66                         | 302.17     | 3,069.40             | 2,970.83              | 98.57                   | 31.140            |                    |         |
| 10,200.00                    | 7,070.23            | 6,610.48            | 6,525.53            | 99.77           | 30.00       | -75.19                | -1,588.80                         | 300.40     | 3,143.47             | 3,044.53              | 98.95                   | 31.769            |                    |         |
| 10,300.00                    | 7,070.24            | 6,603.59            | 6,518.83            | 102.44          | 29.98       | -75.02                | -1,588.92                         | 298.80     | 3,218.90             | 3,119.61              | 99.29                   | 32.420            |                    |         |
| 10,400.00                    | 7,070.25            | 6,597.11            | 6,512.52            | 105.13          | 29.95       | -74.85                | -1,589.03                         | 297.34     | 3,295.59             | 3,195.99              | 99.60                   | 33.089            |                    |         |
| 10,500.00                    | 7,070.26            | 6,562.00            | 6,478.14            | 107.83          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 3,373.91             | 3,274.15              | 99.76                   | 33.819            |                    |         |
| 10,600.00                    | 7,070.27            | 6,562.00            | 6,478.14            | 110.53          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 3,452.72             | 3,352.69              | 100.04                  | 34.514            |                    |         |
| 10,700.00                    | 7,070.28            | 6,562.00            | 6,478.14            | 113.24          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 3,532.61             | 3,432.32              | 100.28                  | 35.226            |                    |         |
| 10,800.00                    | 7,070.28            | 6,562.00            | 6,478.14            | 115.96          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 3,613.49             | 3,512.99              | 100.50                  | 35.953            |                    |         |
| 10,900.00                    | 7,070.29            | 6,562.00            | 6,478.14            | 118.69          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 3,695.32             | 3,594.61              | 100.70                  | 36.695            |                    |         |
| 11,000.00                    | 7,070.30            | 6,562.00            | 6,478.14            | 121.42          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 3,778.01             | 3,677.13              | 100.88                  | 37.451            |                    |         |
| 11,100.00                    | 7,070.31            | 6,562.00            | 6,478.14            | 124.16          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 3,861.53             | 3,760.49              | 101.04                  | 38.219            |                    |         |
| 11,200.00                    | 7,070.32            | 6,562.00            | 6,478.14            | 126.90          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 3,945.81             | 3,844.63              | 101.18                  | 38.998            |                    |         |
| 11,300.00                    | 7,070.33            | 6,562.00            | 6,478.14            | 129.65          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,030.81             | 3,929.51              | 101.31                  | 39.789            |                    |         |
| 11,400.00                    | 7,070.34            | 6,562.00            | 6,478.14            | 132.40          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,116.49             | 4,015.07              | 101.42                  | 40.589            |                    |         |
| 11,500.00                    | 7,070.35            | 6,562.00            | 6,478.14            | 135.16          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,202.80             | 4,101.28              | 101.52                  | 41.399            |                    |         |
| 11,600.00                    | 7,070.36            | 6,562.00            | 6,478.14            | 137.92          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,289.70             | 4,188.09              | 101.61                  | 42.218            |                    |         |
| 11,700.00                    | 7,070.36            | 6,562.00            | 6,478.14            | 140.69          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,377.16             | 4,275.47              | 101.69                  | 43.045            |                    |         |
| 11,800.00                    | 7,070.37            | 6,562.00            | 6,478.14            | 143.46          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,465.15             | 4,363.39              | 101.76                  | 43.879            |                    |         |
| 11,900.00                    | 7,070.38            | 6,562.00            | 6,478.14            | 146.23          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,553.63             | 4,451.81              | 101.82                  | 44.721            |                    |         |
| 12,000.00                    | 7,070.39            | 6,562.00            | 6,478.14            | 149.01          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,642.58             | 4,540.71              | 101.88                  | 45.570            |                    |         |
| 12,100.00                    | 7,070.40            | 6,562.00            | 6,478.14            | 151.79          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,731.98             | 4,630.05              | 101.93                  | 46.424            |                    |         |
| 12,200.00                    | 7,070.41            | 6,562.00            | 6,478.14            | 154.57          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,821.79             | 4,719.81              | 101.97                  | 47.285            |                    |         |
| 12,300.00                    | 7,070.42            | 6,562.00            | 6,478.14            | 157.35          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 4,911.99             | 4,809.98              | 102.01                  | 48.151            |                    |         |
| 12,400.00                    | 7,070.43            | 6,562.00            | 6,478.14            | 160.14          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,002.57             | 4,900.52              | 102.05                  | 49.022            |                    |         |
| 12,500.00                    | 7,070.44            | 6,562.00            | 6,478.14            | 162.93          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,093.50             | 4,991.42              | 102.08                  | 49.898            |                    |         |
| 12,600.00                    | 7,070.44            | 6,562.00            | 6,478.14            | 165.72          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,184.76             | 5,082.65              | 102.10                  | 50.779            |                    |         |
| 12,700.00                    | 7,070.45            | 6,562.00            | 6,478.14            | 168.52          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,276.34             | 5,174.21              | 102.13                  | 51.664            |                    |         |
| 12,800.00                    | 7,070.46            | 6,562.00            | 6,478.14            | 171.32          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,368.22             | 5,266.07              | 102.15                  | 52.553            |                    |         |
| 12,900.00                    | 7,070.47            | 6,562.00            | 6,478.14            | 174.11          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,460.38             | 5,358.21              | 102.17                  | 53.445            |                    |         |
| 13,000.00                    | 7,070.48            | 6,562.00            | 6,478.14            | 176.92          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,552.82             | 5,450.63              | 102.18                  | 54.341            |                    |         |
| 13,100.00                    | 7,070.49            | 6,562.00            | 6,478.14            | 179.72          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,645.51             | 5,543.31              | 102.20                  | 55.240            |                    |         |
| 13,200.00                    | 7,070.50            | 6,562.00            | 6,478.14            | 182.52          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,738.45             | 5,636.24              | 102.21                  | 56.142            |                    |         |
| 13,300.00                    | 7,070.51            | 6,562.00            | 6,478.14            | 185.33          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,831.63             | 5,729.40              | 102.22                  | 57.048            |                    |         |
| 13,400.00                    | 7,070.52            | 6,562.00            | 6,478.14            | 188.14          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 5,925.02             | 5,822.79              | 102.23                  | 57.955            |                    |         |
| 13,500.00                    | 7,070.52            | 6,562.00            | 6,478.14            | 190.95          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 6,018.63             | 5,916.39              | 102.24                  | 58.865            |                    |         |
| 13,600.00                    | 7,070.53            | 6,562.00            | 6,478.14            | 193.76          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 6,112.44             | 6,010.19              | 102.25                  | 59.778            |                    |         |
| 13,700.00                    | 7,070.54            | 6,562.00            | 6,478.14            | 196.57          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 6,206.44             | 6,104.18              | 102.26                  | 60.693            |                    |         |
| 13,800.00                    | 7,070.55            | 6,562.00            | 6,478.14            | 199.38          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 6,300.63             | 6,198.36              | 102.27                  | 61.609            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 249-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,562.00            | 6,478.14            | 202.20          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 6,395.00             | 6,292.72              | 102.27                  | 62.528            |                    |         |
| 14,000.00                    | 7,070.57            | 6,562.00            | 6,478.14            | 205.01          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 6,489.53             | 6,387.25              | 102.28                  | 63.448            |                    |         |
| 14,100.00                    | 7,070.58            | 6,562.00            | 6,478.14            | 207.83          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 6,584.23             | 6,481.94              | 102.29                  | 64.370            |                    |         |
| 14,200.00                    | 7,070.59            | 6,562.00            | 6,478.14            | 210.65          | 29.83       | -73.95                | -1,589.48                         | 290.22     | 6,679.07             | 6,576.78              | 102.29                  | 65.293            |                    |         |
| 14,300.00                    | 7,070.60            | 6,518.50            | 6,435.10            | 213.47          | 29.67       | -72.83                | -1,589.92                         | 284.05     | 6,772.17             | 6,669.93              | 102.23                  | 66.242            |                    |         |
| 14,400.00                    | 7,070.60            | 6,517.78            | 6,434.38            | 216.29          | 29.66       | -72.81                | -1,589.92                         | 283.97     | 6,867.24             | 6,765.00              | 102.24                  | 67.168            |                    |         |
| 14,500.00                    | 7,070.61            | 6,517.08            | 6,433.69            | 219.11          | 29.66       | -72.79                | -1,589.93                         | 283.91     | 6,962.46             | 6,860.21              | 102.25                  | 68.095            |                    |         |
| 14,600.00                    | 7,070.62            | 6,516.40            | 6,433.01            | 221.94          | 29.66       | -72.78                | -1,589.94                         | 283.84     | 7,057.80             | 6,955.55              | 102.25                  | 69.024            |                    |         |
| 14,700.00                    | 7,070.63            | 6,515.74            | 6,432.35            | 224.76          | 29.66       | -72.76                | -1,589.94                         | 283.78     | 7,153.27             | 7,051.01              | 102.26                  | 69.953            |                    |         |
| 14,800.00                    | 7,070.64            | 6,515.09            | 6,431.71            | 227.58          | 29.65       | -72.74                | -1,589.95                         | 283.72     | 7,248.86             | 7,146.60              | 102.26                  | 70.884            |                    |         |
| 14,900.00                    | 7,070.65            | 6,514.46            | 6,431.08            | 230.41          | 29.65       | -72.73                | -1,589.96                         | 283.66     | 7,344.57             | 7,242.30              | 102.27                  | 71.815            |                    |         |
| 15,000.00                    | 7,070.66            | 6,513.85            | 6,430.47            | 233.24          | 29.65       | -72.71                | -1,589.96                         | 283.60     | 7,440.39             | 7,338.11              | 102.28                  | 72.746            |                    |         |
| 15,100.00                    | 7,070.67            | 6,513.26            | 6,429.88            | 236.06          | 29.65       | -72.69                | -1,589.97                         | 283.55     | 7,536.32             | 7,434.03              | 102.29                  | 73.679            |                    |         |
| 15,200.00                    | 7,070.68            | 6,512.67            | 6,429.30            | 238.89          | 29.65       | -72.68                | -1,589.98                         | 283.50     | 7,632.35             | 7,530.06              | 102.29                  | 74.612            |                    |         |
| 15,300.00                    | 7,070.68            | 6,512.11            | 6,428.73            | 241.72          | 29.64       | -72.67                | -1,589.98                         | 283.45     | 7,728.49             | 7,626.18              | 102.30                  | 75.545            |                    |         |
| 15,400.00                    | 7,070.69            | 6,511.55            | 6,428.18            | 244.55          | 29.64       | -72.65                | -1,589.99                         | 283.40     | 7,824.71             | 7,722.40              | 102.31                  | 76.479            |                    |         |
| 15,500.00                    | 7,070.70            | 6,468.00            | 6,384.69            | 247.38          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 7,922.90             | 7,820.66              | 102.24                  | 77.495            |                    |         |
| 15,600.00                    | 7,070.71            | 6,468.00            | 6,384.69            | 250.21          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,019.27             | 7,917.02              | 102.25                  | 78.429            |                    |         |
| 15,700.00                    | 7,070.72            | 6,468.00            | 6,384.69            | 253.04          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,115.72             | 8,013.46              | 102.26                  | 79.363            |                    |         |
| 15,800.00                    | 7,070.73            | 6,468.00            | 6,384.69            | 255.87          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,212.26             | 8,109.98              | 102.27                  | 80.296            |                    |         |
| 15,900.00                    | 7,070.74            | 6,468.00            | 6,384.69            | 258.71          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,308.88             | 8,206.59              | 102.29                  | 81.230            |                    |         |
| 16,000.00                    | 7,070.75            | 6,468.00            | 6,384.69            | 261.54          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,405.58             | 8,303.28              | 102.30                  | 82.164            |                    |         |
| 16,100.00                    | 7,070.76            | 6,468.00            | 6,384.69            | 264.37          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,502.35             | 8,400.04              | 102.32                  | 83.098            |                    |         |
| 16,200.00                    | 7,070.76            | 6,468.00            | 6,384.69            | 267.21          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,599.20             | 8,496.87              | 102.33                  | 84.032            |                    |         |
| 16,300.00                    | 7,070.77            | 6,468.00            | 6,384.69            | 270.04          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,696.12             | 8,593.78              | 102.35                  | 84.966            |                    |         |
| 16,400.00                    | 7,070.78            | 6,468.00            | 6,384.69            | 272.88          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,793.11             | 8,690.75              | 102.36                  | 85.900            |                    |         |
| 16,500.00                    | 7,070.79            | 6,468.00            | 6,384.69            | 275.71          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,890.17             | 8,787.79              | 102.38                  | 86.833            |                    |         |
| 16,600.00                    | 7,070.80            | 6,468.00            | 6,384.69            | 278.55          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 8,987.29             | 8,884.89              | 102.40                  | 87.767            |                    |         |
| 16,700.00                    | 7,070.81            | 6,468.00            | 6,384.69            | 281.39          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,084.47             | 8,982.06              | 102.42                  | 88.700            |                    |         |
| 16,800.00                    | 7,070.82            | 6,468.00            | 6,384.69            | 284.22          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,181.72             | 9,079.28              | 102.44                  | 89.632            |                    |         |
| 16,900.00                    | 7,070.83            | 6,468.00            | 6,384.69            | 287.06          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,279.02             | 9,176.56              | 102.46                  | 90.565            |                    |         |
| 17,000.00                    | 7,070.84            | 6,468.00            | 6,384.69            | 289.90          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,376.38             | 9,273.90              | 102.48                  | 91.497            |                    |         |
| 17,100.00                    | 7,070.84            | 6,468.00            | 6,384.69            | 292.74          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,473.79             | 9,371.30              | 102.50                  | 92.428            |                    |         |
| 17,200.00                    | 7,070.85            | 6,468.00            | 6,384.69            | 295.58          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,571.26             | 9,468.74              | 102.52                  | 93.359            |                    |         |
| 17,300.00                    | 7,070.86            | 6,468.00            | 6,384.69            | 298.42          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,668.78             | 9,566.24              | 102.54                  | 94.289            |                    |         |
| 17,400.00                    | 7,070.87            | 6,468.00            | 6,384.69            | 301.26          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,766.35             | 9,663.78              | 102.57                  | 95.219            |                    |         |
| 17,500.00                    | 7,070.88            | 6,468.00            | 6,384.69            | 304.10          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,863.97             | 9,761.38              | 102.59                  | 96.149            |                    |         |
| 17,600.00                    | 7,070.89            | 6,468.00            | 6,384.69            | 306.94          | 29.48       | -71.54                | -1,590.44                         | 281.49     | 9,961.63             | 9,859.02              | 102.62                  | 97.077            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 141-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 0.00 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 0.00        | 141.57                | -637.89                           | 506.15     | 814.38               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 88.08               | 88.08               | 3.28            | 0.20        | 141.54                | -637.70                           | 506.48     | 814.36               | 810.88                | 3.48                    | 234.147 CC, ES    |                    |         |
| 200.00                       | 200.00              | 177.16              | 177.15              | 3.34            | 0.47        | 141.45                | -637.21                           | 507.70     | 814.82               | 811.00                | 3.82                    | 213.569           |                    |         |
| 300.00                       | 300.00              | 255.16              | 255.08              | 3.44            | 0.82        | 141.28                | -637.34                           | 511.05     | 817.64               | 813.33                | 4.31                    | 189.856           |                    |         |
| 400.00                       | 399.98              | 329.00              | 328.70              | 3.60            | 1.16        | 68.50                 | -638.01                           | 516.52     | 822.46               | 817.61                | 4.85                    | 169.588           |                    |         |
| 500.00                       | 499.84              | 406.04              | 405.28              | 3.80            | 1.51        | 68.25                 | -639.59                           | 524.74     | 828.95               | 823.51                | 5.44                    | 152.363           |                    |         |
| 600.00                       | 599.45              | 478.16              | 476.65              | 4.04            | 1.84        | 68.09                 | -642.41                           | 534.66     | 837.47               | 831.40                | 6.07                    | 137.945           |                    |         |
| 700.00                       | 698.70              | 553.23              | 550.63              | 4.32            | 2.19        | 68.06                 | -647.22                           | 546.49     | 847.88               | 841.15                | 6.73                    | 126.005           |                    |         |
| 800.00                       | 797.47              | 633.05              | 629.02              | 4.63            | 2.57        | 68.24                 | -654.47                           | 559.60     | 859.56               | 852.15                | 7.41                    | 115.928           |                    |         |
| 900.00                       | 895.62              | 716.77              | 711.05              | 4.97            | 2.98        | 68.69                 | -664.15                           | 573.26     | 871.96               | 863.83                | 8.13                    | 107.277           |                    |         |
| 924.00                       | 919.08              | 736.99              | 730.84              | 5.06            | 3.08        | 68.84                 | -666.81                           | 576.47     | 875.02               | 866.72                | 8.30                    | 105.412           |                    |         |
| 1,000.00                     | 993.28              | 801.31              | 793.71              | 5.34            | 3.40        | 69.56                 | -676.23                           | 586.26     | 885.30               | 876.44                | 8.87                    | 99.858            |                    |         |
| 1,100.00                     | 1,090.92            | 896.03              | 886.21              | 5.73            | 3.86        | 70.84                 | -692.79                           | 598.03     | 899.86               | 890.21                | 9.64                    | 93.299            |                    |         |
| 1,200.00                     | 1,188.56            | 1,010.43            | 997.95              | 6.15            | 4.40        | 72.75                 | -715.90                           | 605.94     | 914.22               | 903.72                | 10.50                   | 87.063            |                    |         |
| 1,300.00                     | 1,286.19            | 1,120.33            | 1,105.25            | 6.57            | 4.90        | 74.95                 | -739.55                           | 606.19     | 927.09               | 915.72                | 11.37                   | 81.544            |                    |         |
| 1,400.00                     | 1,383.83            | 1,203.99            | 1,186.43            | 7.01            | 5.27        | 76.82                 | -759.44                           | 602.74     | 941.11               | 928.95                | 12.16                   | 77.379            |                    |         |
| 1,500.00                     | 1,481.47            | 1,279.64            | 1,259.26            | 7.46            | 5.61        | 78.60                 | -779.40                           | 598.14     | 957.91               | 944.98                | 12.93                   | 74.086            |                    |         |
| 1,600.00                     | 1,579.10            | 1,356.18            | 1,332.44            | 7.91            | 5.96        | 80.43                 | -801.15                           | 592.70     | 977.60               | 963.90                | 13.70                   | 71.345            |                    |         |
| 1,700.00                     | 1,676.74            | 1,439.25            | 1,411.50            | 8.37            | 6.35        | 82.40                 | -825.84                           | 586.32     | 999.75               | 985.24                | 14.51                   | 68.899            |                    |         |
| 1,800.00                     | 1,774.38            | 1,517.60            | 1,485.80            | 8.84            | 6.73        | 84.22                 | -849.89                           | 580.00     | 1,024.13             | 1,008.84              | 15.30                   | 66.959            |                    |         |
| 1,900.00                     | 1,872.02            | 1,604.87            | 1,568.26            | 9.31            | 7.18        | 86.21                 | -877.47                           | 572.56     | 1,050.65             | 1,034.51              | 16.13                   | 65.127            |                    |         |
| 2,000.00                     | 1,969.65            | 1,703.30            | 1,661.33            | 9.79            | 7.69        | 88.38                 | -908.25                           | 563.70     | 1,078.15             | 1,061.10              | 17.04                   | 63.257            |                    |         |
| 2,100.00                     | 2,067.29            | 1,803.60            | 1,756.61            | 10.27           | 8.22        | 90.45                 | -938.29                           | 554.75     | 1,105.70             | 1,087.73              | 17.97                   | 61.521            |                    |         |
| 2,200.00                     | 2,164.93            | 1,880.17            | 1,829.44            | 10.75           | 8.63        | 91.94                 | -961.06                           | 548.41     | 1,134.40             | 1,115.66              | 18.75                   | 60.509            |                    |         |
| 2,300.00                     | 2,262.56            | 1,940.09            | 1,886.20            | 11.24           | 8.96        | 93.01                 | -979.92                           | 544.89     | 1,166.03             | 1,146.63              | 19.39                   | 60.123            |                    |         |
| 2,400.00                     | 2,360.20            | 2,027.37            | 1,968.63            | 11.73           | 9.45        | 94.42                 | -1,008.42                         | 541.63     | 1,199.85             | 1,179.61              | 20.24                   | 59.272            |                    |         |
| 2,500.00                     | 2,457.84            | 2,121.29            | 2,057.48            | 12.22           | 9.98        | 95.83                 | -1,038.74                         | 538.88     | 1,234.12             | 1,212.97              | 21.15                   | 58.356            |                    |         |
| 2,600.00                     | 2,555.48            | 2,230.80            | 2,161.41            | 12.71           | 10.60       | 97.35                 | -1,073.12                         | 536.01     | 1,268.21             | 1,246.03              | 22.18                   | 57.175            |                    |         |
| 2,700.00                     | 2,653.11            | 2,321.95            | 2,248.18            | 13.20           | 11.11       | 98.53                 | -1,100.98                         | 534.03     | 1,302.08             | 1,279.01              | 23.07                   | 56.442            |                    |         |
| 2,800.00                     | 2,750.75            | 2,406.94            | 2,329.01            | 13.70           | 11.59       | 99.62                 | -1,127.11                         | 531.43     | 1,336.58             | 1,312.68              | 23.91                   | 55.905            |                    |         |
| 2,900.00                     | 2,848.39            | 2,510.17            | 2,427.19            | 14.19           | 12.18       | 100.92                | -1,158.68                         | 526.99     | 1,371.39             | 1,346.49              | 24.90                   | 55.078            |                    |         |
| 3,000.00                     | 2,946.02            | 2,598.14            | 2,511.01            | 14.69           | 12.67       | 101.95                | -1,185.21                         | 524.03     | 1,406.29             | 1,380.52              | 25.77                   | 54.581            |                    |         |
| 3,100.00                     | 3,043.66            | 2,684.49            | 2,593.26            | 15.19           | 13.16       | 102.88                | -1,211.41                         | 521.83     | 1,441.79             | 1,415.17              | 26.62                   | 54.164            |                    |         |
| 3,200.00                     | 3,141.30            | 2,770.99            | 2,675.59            | 15.69           | 13.65       | 103.75                | -1,237.90                         | 520.24     | 1,477.91             | 1,450.43              | 27.48                   | 53.788            |                    |         |
| 3,300.00                     | 3,238.94            | 2,857.19            | 2,757.56            | 16.19           | 14.14       | 104.59                | -1,264.50                         | 518.22     | 1,514.60             | 1,486.27              | 28.33                   | 53.459            |                    |         |
| 3,400.00                     | 3,336.57            | 2,937.34            | 2,833.63            | 16.69           | 14.60       | 105.40                | -1,289.50                         | 514.73     | 1,552.01             | 1,522.88              | 29.13                   | 53.274            |                    |         |
| 3,500.00                     | 3,434.21            | 3,015.29            | 2,907.43            | 17.19           | 15.05       | 106.16                | -1,314.36                         | 511.50     | 1,590.41             | 1,560.50              | 29.91                   | 53.167            |                    |         |
| 3,600.00                     | 3,531.85            | 3,103.02            | 2,990.33            | 17.69           | 15.56       | 106.97                | -1,342.87                         | 507.98     | 1,629.68             | 1,598.90              | 30.79                   | 52.935            |                    |         |
| 3,700.00                     | 3,629.48            | 3,200.23            | 3,082.35            | 18.20           | 16.13       | 107.80                | -1,374.02                         | 504.74     | 1,668.75             | 1,637.00              | 31.75                   | 52.556            |                    |         |
| 3,800.00                     | 3,727.12            | 3,286.90            | 3,164.40            | 18.70           | 16.63       | 108.50                | -1,401.80                         | 502.02     | 1,708.08             | 1,675.46              | 32.62                   | 52.365            |                    |         |
| 3,900.00                     | 3,824.76            | 3,393.18            | 3,265.04            | 19.21           | 17.25       | 109.36                | -1,435.69                         | 497.41     | 1,747.65             | 1,713.98              | 33.67                   | 51.904            |                    |         |
| 4,000.00                     | 3,922.40            | 3,515.19            | 3,381.27            | 19.71           | 17.95       | 110.29                | -1,472.50                         | 492.87     | 1,785.69             | 1,750.83              | 34.86                   | 51.220            |                    |         |
| 4,100.00                     | 4,020.03            | 3,635.13            | 3,496.06            | 20.21           | 18.62       | 111.09                | -1,507.15                         | 490.33     | 1,822.60             | 1,786.57              | 36.03                   | 50.589            |                    |         |
| 4,200.00                     | 4,117.67            | 3,712.94            | 3,570.59            | 20.72           | 19.06       | 111.58                | -1,529.47                         | 488.98     | 1,859.40             | 1,822.59              | 36.82                   | 50.506            |                    |         |
| 4,300.00                     | 4,215.31            | 3,796.88            | 3,650.91            | 21.23           | 19.53       | 112.12                | -1,553.73                         | 486.69     | 1,896.75             | 1,859.09              | 37.66                   | 50.369            |                    |         |
| 4,400.00                     | 4,312.94            | 4,400.00            | 3,755.48            | 21.73           | 22.89       | 112.82                | -1,584.42                         | 482.98     | 1,933.58             | 1,892.39              | 41.18                   | 46.950            |                    |         |
| 4,500.00                     | 4,410.58            | 3,961.89            | 3,809.09            | 22.24           | 20.46       | 113.16                | -1,600.38                         | 481.01     | 1,971.15             | 1,931.85              | 39.31                   | 50.146            |                    |         |
| 4,600.00                     | 4,508.22            | 4,011.81            | 3,856.55            | 22.75           | 20.74       | 113.47                | -1,615.70                         | 478.94     | 2,010.88             | 1,971.06              | 39.82                   | 50.496            |                    |         |
| 4,700.00                     | 4,605.86            | 4,063.47            | 3,905.36            | 23.25           | 21.04       | 113.78                | -1,632.46                         | 476.58     | 2,052.47             | 2,012.13              | 40.34                   | 50.876            |                    |         |
| 4,800.00                     | 4,703.49            | 4,119.69            | 3,958.14            | 23.76           | 21.38       | 114.12                | -1,651.62                         | 473.80     | 2,095.77             | 2,054.87              | 40.90                   | 51.240            |                    |         |
| 4,900.00                     | 4,801.13            | 4,177.00            | 4,011.67            | 24.27           | 21.73       | 114.44                | -1,671.88                         | 470.93     | 2,140.44             | 2,098.97              | 41.46                   | 51.622            |                    |         |
| 5,000.00                     | 4,898.77            | 4,243.89            | 4,073.86            | 24.77           | 22.14       | 114.81                | -1,696.29                         | 467.63     | 2,186.27             | 2,144.14              | 42.13                   | 51.890            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 141-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 0.00 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                     | 4,996.40            | 4,337.39            | 4,160.54            | 25.28           | 22.72       | 115.29                | -1,731.08                         | 463.31     | 2,232.82             | 2,189.72              | 43.10                   | 51.805            |                    |         |
| 5,200.00                     | 5,094.04            | 4,451.59            | 4,266.82            | 25.79           | 23.42       | 115.83                | -1,772.60                         | 458.67     | 2,278.56             | 2,234.26              | 44.30                   | 51.438            |                    |         |
| 5,300.00                     | 5,191.68            | 4,563.82            | 4,371.69            | 26.30           | 24.11       | 116.34                | -1,812.33                         | 454.44     | 2,323.47             | 2,278.00              | 45.46                   | 51.106            |                    |         |
| 5,400.00                     | 5,289.32            | 4,687.69            | 4,488.06            | 26.81           | 24.85       | 116.87                | -1,854.58                         | 450.29     | 2,367.12             | 2,320.38              | 46.74                   | 50.641            |                    |         |
| 5,500.00                     | 5,386.95            | 4,803.27            | 4,597.06            | 27.32           | 25.54       | 117.35                | -1,892.86                         | 446.49     | 2,410.02             | 2,362.10              | 47.93                   | 50.287            |                    |         |
| 5,600.00                     | 5,484.59            | 4,937.17            | 4,723.98            | 27.83           | 26.32       | 117.88                | -1,935.35                         | 442.66     | 2,451.63             | 2,402.35              | 49.28                   | 49.751            |                    |         |
| 5,700.00                     | 5,582.23            | 5,095.02            | 4,874.76            | 28.33           | 27.22       | 118.46                | -1,981.90                         | 439.30     | 2,490.95             | 2,440.12              | 50.83                   | 49.007            |                    |         |
| 5,800.00                     | 5,679.87            | 5,177.07            | 4,953.44            | 28.84           | 27.68       | 118.77                | -2,005.04                         | 437.03     | 2,529.42             | 2,477.76              | 51.66                   | 48.962            |                    |         |
| 5,900.00                     | 5,777.50            | 5,264.64            | 5,037.29            | 29.35           | 28.17       | 119.08                | -2,030.19                         | 434.77     | 2,568.39             | 2,515.84              | 52.55                   | 48.880            |                    |         |
| 6,000.00                     | 5,875.14            | 5,349.48            | 5,118.49            | 29.86           | 28.65       | 119.37                | -2,054.71                         | 433.04     | 2,607.45             | 2,554.05              | 53.41                   | 48.823            |                    |         |
| 6,100.00                     | 5,972.78            | 5,522.71            | 5,284.82            | 30.37           | 29.62       | 119.90                | -2,103.03                         | 431.26     | 2,645.49             | 2,590.43              | 55.06                   | 48.044            |                    |         |
| 6,200.00                     | 6,070.41            | 5,603.99            | 5,363.17            | 30.88           | 30.06       | 120.13                | -2,124.67                         | 431.15     | 2,682.12             | 2,626.23              | 55.89                   | 47.987            |                    |         |
| 6,300.00                     | 6,168.05            | 5,676.18            | 5,432.64            | 31.39           | 30.46       | 120.33                | -2,144.29                         | 430.70     | 2,719.42             | 2,662.78              | 56.64                   | 48.012            |                    |         |
| 6,400.00                     | 6,265.69            | 5,766.10            | 5,519.07            | 31.90           | 30.96       | 120.58                | -2,169.12                         | 430.31     | 2,757.11             | 2,699.57              | 57.55                   | 47.910            |                    |         |
| 6,439.09                     | 6,303.85            | 5,782.16            | 5,534.48            | 32.10           | 31.05       | 120.62                | -2,173.63                         | 430.23     | 2,772.02             | 2,714.29              | 57.73                   | 48.017            |                    |         |
| 6,450.00                     | 6,314.53            | 5,787.19            | 5,539.30            | 32.16           | 31.08       | 122.50                | -2,175.05                         | 430.19     | 2,776.20             | 2,718.42              | 57.78                   | 48.044            |                    |         |
| 6,500.00                     | 6,363.83            | 5,810.32            | 5,561.46            | 32.39           | 31.21       | 135.73                | -2,181.69                         | 429.88     | 2,795.08             | 2,737.06              | 58.02                   | 48.176            |                    |         |
| 6,550.00                     | 6,413.58            | 5,833.53            | 5,583.64            | 32.60           | 31.34       | 170.01                | -2,188.49                         | 429.39     | 2,813.41             | 2,755.18              | 58.23                   | 48.317            |                    |         |
| 6,600.00                     | 6,463.45            | 5,857.00            | 5,606.03            | 32.79           | 31.47       | -127.58               | -2,195.51                         | 428.70     | 2,831.08             | 2,772.66              | 58.42                   | 48.461            |                    |         |
| 6,650.00                     | 6,513.15            | 5,951.00            | 5,696.05            | 32.97           | 32.00       | -98.91                | -2,222.32                         | 425.13     | 2,846.74             | 2,787.45              | 59.28                   | 48.021            |                    |         |
| 6,700.00                     | 6,562.37            | 5,992.53            | 5,735.93            | 33.15           | 32.24       | -87.79                | -2,233.80                         | 423.39     | 2,861.20             | 2,801.55              | 59.65                   | 47.969            |                    |         |
| 6,750.00                     | 6,610.80            | 6,014.19            | 5,756.64            | 33.34           | 32.36       | -81.90                | -2,240.05                         | 422.48     | 2,874.93             | 2,815.10              | 59.83                   | 48.050            |                    |         |
| 6,800.00                     | 6,658.14            | 6,045.00            | 5,786.01            | 33.53           | 32.53       | -78.25                | -2,249.27                         | 421.21     | 2,887.78             | 2,827.66              | 60.12                   | 48.036            |                    |         |
| 6,850.00                     | 6,704.11            | 6,061.94            | 5,802.12            | 33.74           | 32.63       | -75.61                | -2,254.46                         | 420.52     | 2,899.57             | 2,839.29              | 60.28                   | 48.099            |                    |         |
| 6,900.00                     | 6,748.42            | 6,093.00            | 5,831.64            | 33.97           | 32.81       | -73.78                | -2,264.06                         | 419.26     | 2,910.25             | 2,849.64              | 60.61                   | 48.015            |                    |         |
| 6,950.00                     | 6,790.79            | 6,258.26            | 5,989.50            | 34.21           | 33.75       | -74.04                | -2,312.59                         | 414.57     | 2,918.96             | 2,856.71              | 62.25                   | 46.893            |                    |         |
| 7,000.00                     | 6,830.97            | 6,276.70            | 6,007.20            | 34.48           | 33.85       | -73.03                | -2,317.73                         | 414.30     | 2,925.60             | 2,863.08              | 62.52                   | 46.795            |                    |         |
| 7,050.00                     | 6,868.71            | 6,293.95            | 6,023.74            | 34.77           | 33.95       | -72.27                | -2,322.65                         | 414.05     | 2,931.34             | 2,868.53              | 62.82                   | 46.665            |                    |         |
| 7,100.00                     | 6,903.77            | 6,325.00            | 6,053.41            | 35.09           | 34.12       | -71.91                | -2,331.77                         | 413.61     | 2,936.27             | 2,872.98              | 63.28                   | 46.400            |                    |         |
| 7,150.00                     | 6,935.93            | 6,325.00            | 6,053.41            | 35.44           | 34.12       | -71.26                | -2,331.77                         | 413.61     | 2,940.15             | 2,876.65              | 63.50                   | 46.302            |                    |         |
| 7,200.00                     | 6,965.01            | 6,325.00            | 6,053.41            | 35.83           | 34.12       | -70.73                | -2,331.77                         | 413.61     | 2,943.31             | 2,879.55              | 63.76                   | 46.161            |                    |         |
| 7,250.00                     | 6,990.82            | 6,353.10            | 6,080.19            | 36.26           | 34.29       | -70.81                | -2,340.29                         | 413.18     | 2,945.49             | 2,881.13              | 64.36                   | 45.768            |                    |         |
| 7,300.00                     | 7,013.20            | 6,364.85            | 6,091.36            | 36.72           | 34.36       | -70.73                | -2,343.92                         | 412.99     | 2,946.92             | 2,882.07              | 64.85                   | 45.444            |                    |         |
| 7,350.00                     | 7,032.02            | 6,374.82            | 6,100.83            | 37.23           | 34.41       | -70.73                | -2,347.02                         | 412.82     | 2,947.56             | 2,882.18              | 65.38                   | 45.084            |                    |         |
| 7,400.00                     | 7,047.15            | 6,382.94            | 6,108.55            | 37.77           | 34.46       | -70.79                | -2,349.57                         | 412.68     | 2,947.44             | 2,881.49              | 65.95                   | 44.692            |                    |         |
| 7,450.00                     | 7,058.51            | 6,389.18            | 6,114.47            | 38.34           | 34.50       | -70.90                | -2,351.54                         | 412.57     | 2,946.59             | 2,880.03              | 66.56                   | 44.271            |                    |         |
| 7,500.00                     | 7,066.02            | 6,393.49            | 6,118.55            | 38.95           | 34.52       | -71.07                | -2,352.90                         | 412.49     | 2,945.04             | 2,877.85              | 67.20                   | 43.828            |                    |         |
| 7,550.00                     | 7,069.64            | 6,395.84            | 6,120.78            | 39.58           | 34.54       | -71.28                | -2,353.65                         | 412.44     | 2,942.82             | 2,874.96              | 67.86                   | 43.367            |                    |         |
| 7,571.20                     | 7,070.00            | 6,396.24            | 6,121.16            | 39.85           | 34.54       | -71.38                | -2,353.78                         | 412.44     | 2,941.68             | 2,873.53              | 68.14                   | 43.168            |                    |         |
| 7,600.00                     | 7,070.00            | 6,396.54            | 6,121.44            | 40.23           | 34.54       | -71.38                | -2,353.87                         | 412.43     | 2,940.19             | 2,871.64              | 68.54                   | 42.896            |                    |         |
| 7,700.00                     | 7,070.01            | 6,397.59            | 6,122.44            | 41.64           | 34.55       | -71.40                | -2,354.21                         | 412.41     | 2,937.19             | 2,867.17              | 70.02                   | 41.946            |                    |         |
| 7,737.94                     | 7,070.01            | 6,397.99            | 6,122.81            | 42.23           | 34.55       | -71.41                | -2,354.33                         | 412.40     | 2,936.95             | 2,866.31              | 70.64                   | 41.578            |                    |         |
| 7,800.00                     | 7,070.02            | 6,398.64            | 6,123.43            | 43.20           | 34.55       | -71.42                | -2,354.54                         | 412.39     | 2,937.60             | 2,865.97              | 71.64                   | 41.006            |                    |         |
| 7,900.00                     | 7,070.03            | 6,399.70            | 6,124.44            | 44.89           | 34.56       | -71.45                | -2,354.88                         | 412.37     | 2,941.42             | 2,868.05              | 73.36                   | 40.095            |                    |         |
| 8,000.00                     | 7,070.04            | 6,400.77            | 6,125.45            | 46.69           | 34.56       | -71.47                | -2,355.22                         | 412.35     | 2,948.61             | 2,873.45              | 75.17                   | 39.226            |                    |         |
| 8,100.00                     | 7,070.05            | 6,401.85            | 6,126.47            | 48.60           | 34.57       | -71.49                | -2,355.57                         | 412.33     | 2,959.18             | 2,882.14              | 77.04                   | 38.411            |                    |         |
| 8,200.00                     | 7,070.05            | 6,418.00            | 6,141.76            | 50.59           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 2,973.13             | 2,894.02              | 79.12                   | 37.579            |                    |         |
| 8,300.00                     | 7,070.06            | 6,418.00            | 6,141.76            | 52.66           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 2,990.29             | 2,909.25              | 81.04                   | 36.899            |                    |         |
| 8,400.00                     | 7,070.07            | 6,418.00            | 6,141.76            | 54.81           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,010.68             | 2,927.71              | 82.97                   | 36.286            |                    |         |
| 8,500.00                     | 7,070.08            | 6,418.00            | 6,141.76            | 57.02           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,034.23             | 2,949.33              | 84.89                   | 35.743            |                    |         |
| 8,600.00                     | 7,070.09            | 6,418.00            | 6,141.76            | 59.28           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,060.86             | 2,974.07              | 86.79                   | 35.268            |                    |         |
| 8,700.00                     | 7,070.10            | 6,418.00            | 6,141.76            | 61.60           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,090.50             | 3,001.85              | 88.66                   | 34.860            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 141-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 0.00 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                     | 7,070.11            | 6,418.00            | 6,141.76            | 63.95           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,123.06             | 3,032.58              | 90.48                   | 34.517            |                    |         |
| 8,900.00                     | 7,070.12            | 6,418.00            | 6,141.76            | 66.35           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,158.46             | 3,066.20              | 92.25                   | 34.236            |                    |         |
| 9,000.00                     | 7,070.13            | 6,418.00            | 6,141.76            | 68.79           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,196.59             | 3,102.62              | 93.97                   | 34.016            |                    |         |
| 9,100.00                     | 7,070.13            | 6,418.00            | 6,141.76            | 71.25           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,237.36             | 3,141.73              | 95.63                   | 33.852            |                    |         |
| 9,200.00                     | 7,070.14            | 6,418.00            | 6,141.76            | 73.74           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,280.68             | 3,183.45              | 97.23                   | 33.741            |                    |         |
| 9,300.00                     | 7,070.15            | 6,418.00            | 6,141.76            | 76.26           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,326.44             | 3,227.68              | 98.76                   | 33.681            |                    |         |
| 9,400.00                     | 7,070.16            | 6,418.00            | 6,141.76            | 78.80           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,374.54             | 3,274.31              | 100.23                  | 33.668 SF         |                    |         |
| 9,500.00                     | 7,070.17            | 6,418.00            | 6,141.76            | 81.37           | 34.66       | -71.80                | -2,360.77                         | 412.01     | 3,424.89             | 3,323.26              | 101.63                  | 33.700            |                    |         |
| 9,600.00                     | 7,070.18            | 6,419.48            | 6,143.16            | 83.95           | 34.67       | -71.83                | -2,361.24                         | 411.98     | 3,477.38             | 3,374.40              | 102.98                  | 33.768            |                    |         |
| 9,700.00                     | 7,070.19            | 6,421.24            | 6,144.83            | 86.55           | 34.68       | -71.87                | -2,361.82                         | 411.95     | 3,531.93             | 3,427.66              | 104.27                  | 33.873            |                    |         |
| 9,800.00                     | 7,070.20            | 6,423.01            | 6,146.50            | 89.17           | 34.69       | -71.90                | -2,362.39                         | 411.91     | 3,588.43             | 3,482.94              | 105.49                  | 34.016            |                    |         |
| 9,900.00                     | 7,070.21            | 6,424.78            | 6,148.18            | 91.80           | 34.71       | -71.93                | -2,362.96                         | 411.87     | 3,646.80             | 3,540.14              | 106.66                  | 34.192            |                    |         |
| 10,000.00                    | 7,070.21            | 6,426.56            | 6,149.86            | 94.44           | 34.72       | -71.97                | -2,363.54                         | 411.84     | 3,706.95             | 3,599.19              | 107.76                  | 34.400            |                    |         |
| 10,100.00                    | 7,070.22            | 6,428.34            | 6,151.54            | 97.10           | 34.73       | -72.00                | -2,364.12                         | 411.80     | 3,768.78             | 3,659.98              | 108.80                  | 34.639            |                    |         |
| 10,200.00                    | 7,070.23            | 6,430.13            | 6,153.23            | 99.77           | 34.74       | -72.04                | -2,364.70                         | 411.77     | 3,832.23             | 3,722.44              | 109.79                  | 34.905            |                    |         |
| 10,300.00                    | 7,070.24            | 6,431.92            | 6,154.93            | 102.44          | 34.75       | -72.07                | -2,365.28                         | 411.73     | 3,897.22             | 3,786.49              | 110.72                  | 35.198            |                    |         |
| 10,400.00                    | 7,070.25            | 6,433.72            | 6,156.63            | 105.13          | 34.76       | -72.11                | -2,365.86                         | 411.69     | 3,963.66             | 3,852.05              | 111.61                  | 35.514            |                    |         |
| 10,500.00                    | 7,070.26            | 6,435.52            | 6,158.33            | 107.83          | 34.77       | -72.14                | -2,366.45                         | 411.66     | 4,031.48             | 3,919.04              | 112.44                  | 35.854            |                    |         |
| 10,600.00                    | 7,070.27            | 6,437.32            | 6,160.04            | 110.53          | 34.78       | -72.18                | -2,367.04                         | 411.62     | 4,100.62             | 3,987.39              | 113.23                  | 36.215            |                    |         |
| 10,700.00                    | 7,070.28            | 6,439.14            | 6,161.75            | 113.24          | 34.79       | -72.21                | -2,367.63                         | 411.58     | 4,171.01             | 4,057.04              | 113.97                  | 36.597            |                    |         |
| 10,800.00                    | 7,070.28            | 6,440.95            | 6,163.47            | 115.96          | 34.80       | -72.25                | -2,368.22                         | 411.54     | 4,242.59             | 4,127.92              | 114.68                  | 36.997            |                    |         |
| 10,900.00                    | 7,070.29            | 6,442.77            | 6,165.19            | 118.69          | 34.81       | -72.29                | -2,368.81                         | 411.51     | 4,315.30             | 4,199.96              | 115.34                  | 37.414            |                    |         |
| 11,000.00                    | 7,070.30            | 6,444.60            | 6,166.91            | 121.42          | 34.82       | -72.32                | -2,369.40                         | 411.47     | 4,389.08             | 4,273.12              | 115.96                  | 37.848            |                    |         |
| 11,100.00                    | 7,070.31            | 6,446.43            | 6,168.64            | 124.16          | 34.83       | -72.36                | -2,370.00                         | 411.43     | 4,463.89             | 4,347.33              | 116.56                  | 38.298            |                    |         |
| 11,200.00                    | 7,070.32            | 6,448.26            | 6,170.38            | 126.90          | 34.84       | -72.39                | -2,370.60                         | 411.39     | 4,539.66             | 4,422.54              | 117.12                  | 38.762            |                    |         |
| 11,300.00                    | 7,070.33            | 6,450.10            | 6,172.12            | 129.65          | 34.86       | -72.43                | -2,371.20                         | 411.36     | 4,616.35             | 4,498.71              | 117.64                  | 39.240            |                    |         |
| 11,400.00                    | 7,070.34            | 6,451.95            | 6,173.86            | 132.40          | 34.87       | -72.46                | -2,371.80                         | 411.32     | 4,693.92             | 4,575.78              | 118.14                  | 39.731            |                    |         |
| 11,500.00                    | 7,070.35            | 6,453.80            | 6,175.61            | 135.16          | 34.88       | -72.50                | -2,372.40                         | 411.28     | 4,772.32             | 4,653.71              | 118.61                  | 40.234            |                    |         |
| 11,600.00                    | 7,070.36            | 6,455.65            | 6,177.36            | 137.92          | 34.89       | -72.54                | -2,373.01                         | 411.24     | 4,851.52             | 4,732.46              | 119.06                  | 40.749            |                    |         |
| 11,700.00                    | 7,070.36            | 6,457.51            | 6,179.12            | 140.69          | 34.90       | -72.57                | -2,373.61                         | 411.20     | 4,931.47             | 4,811.99              | 119.48                  | 41.274            |                    |         |
| 11,800.00                    | 7,070.37            | 6,459.38            | 6,180.88            | 143.46          | 34.91       | -72.61                | -2,374.22                         | 411.16     | 5,012.15             | 4,892.26              | 119.88                  | 41.809            |                    |         |
| 11,900.00                    | 7,070.38            | 6,461.24            | 6,182.65            | 146.23          | 34.92       | -72.65                | -2,374.83                         | 411.12     | 5,093.50             | 4,973.24              | 120.26                  | 42.354            |                    |         |
| 12,000.00                    | 7,070.39            | 6,463.12            | 6,184.42            | 149.01          | 34.93       | -72.68                | -2,375.44                         | 411.08     | 5,175.51             | 5,054.89              | 120.62                  | 42.907            |                    |         |
| 12,100.00                    | 7,070.40            | 6,465.00            | 6,186.19            | 151.79          | 34.94       | -72.72                | -2,376.06                         | 411.05     | 5,258.14             | 5,137.18              | 120.96                  | 43.470            |                    |         |
| 12,200.00                    | 7,070.41            | 6,466.88            | 6,187.97            | 154.57          | 34.95       | -72.76                | -2,376.67                         | 411.01     | 5,341.37             | 5,220.08              | 121.28                  | 44.040            |                    |         |
| 12,300.00                    | 7,070.42            | 6,468.77            | 6,189.76            | 157.35          | 34.97       | -72.79                | -2,377.29                         | 410.97     | 5,425.16             | 5,303.56              | 121.59                  | 44.618            |                    |         |
| 12,400.00                    | 7,070.43            | 6,470.67            | 6,191.55            | 160.14          | 34.98       | -72.83                | -2,377.91                         | 410.93     | 5,509.49             | 5,387.60              | 121.88                  | 45.203            |                    |         |
| 12,500.00                    | 7,070.44            | 6,472.57            | 6,193.34            | 162.93          | 34.99       | -72.87                | -2,378.53                         | 410.89     | 5,594.33             | 5,472.17              | 122.16                  | 45.795            |                    |         |
| 12,600.00                    | 7,070.44            | 6,474.47            | 6,195.14            | 165.72          | 35.00       | -72.90                | -2,379.16                         | 410.85     | 5,679.67             | 5,557.24              | 122.43                  | 46.393            |                    |         |
| 12,700.00                    | 7,070.45            | 6,476.38            | 6,196.95            | 168.52          | 35.01       | -72.94                | -2,379.78                         | 410.81     | 5,765.48             | 5,642.80              | 122.68                  | 46.997            |                    |         |
| 12,800.00                    | 7,070.46            | 6,478.30            | 6,198.76            | 171.32          | 35.02       | -72.98                | -2,380.41                         | 410.77     | 5,851.74             | 5,728.82              | 122.92                  | 47.607            |                    |         |
| 12,900.00                    | 7,070.47            | 6,480.22            | 6,200.57            | 174.11          | 35.03       | -73.01                | -2,381.04                         | 410.73     | 5,938.43             | 5,815.28              | 123.15                  | 48.222            |                    |         |
| 13,000.00                    | 7,070.48            | 6,482.15            | 6,202.39            | 176.92          | 35.04       | -73.05                | -2,381.67                         | 410.68     | 6,025.53             | 5,902.16              | 123.37                  | 48.843            |                    |         |
| 13,100.00                    | 7,070.49            | 6,484.08            | 6,204.22            | 179.72          | 35.06       | -73.09                | -2,382.30                         | 410.64     | 6,113.02             | 5,989.45              | 123.58                  | 49.468            |                    |         |
| 13,200.00                    | 7,070.50            | 6,486.01            | 6,206.04            | 182.52          | 35.07       | -73.13                | -2,382.94                         | 410.60     | 6,200.89             | 6,077.12              | 123.78                  | 50.098            |                    |         |
| 13,300.00                    | 7,070.51            | 6,487.95            | 6,207.88            | 185.33          | 35.08       | -73.17                | -2,383.57                         | 410.56     | 6,289.13             | 6,165.16              | 123.97                  | 50.732            |                    |         |
| 13,400.00                    | 7,070.52            | 6,489.90            | 6,209.72            | 188.14          | 35.09       | -73.20                | -2,384.21                         | 410.52     | 6,377.71             | 6,253.56              | 124.15                  | 51.370            |                    |         |
| 13,500.00                    | 7,070.52            | 6,491.85            | 6,211.56            | 190.95          | 35.10       | -73.24                | -2,384.85                         | 410.48     | 6,466.62             | 6,342.29              | 124.33                  | 52.013            |                    |         |
| 13,600.00                    | 7,070.53            | 6,493.81            | 6,213.41            | 193.76          | 35.11       | -73.28                | -2,385.50                         | 410.44     | 6,555.85             | 6,431.36              | 124.50                  | 52.659            |                    |         |
| 13,700.00                    | 7,070.54            | 6,495.77            | 6,215.26            | 196.57          | 35.13       | -73.32                | -2,386.14                         | 410.39     | 6,645.39             | 6,520.73              | 124.66                  | 53.308            |                    |         |
| 13,800.00                    | 7,070.55            | 6,497.74            | 6,217.12            | 199.38          | 35.14       | -73.36                | -2,386.79                         | 410.35     | 6,735.22             | 6,610.41              | 124.82                  | 53.961            |                    |         |
| 13,900.00                    | 7,070.56            | 6,499.72            | 6,218.98            | 202.20          | 35.15       | -73.39                | -2,387.44                         | 410.31     | 6,825.34             | 6,700.37              | 124.97                  | 54.617            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 141-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 0.00 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                    | 7,070.57            | 6,501.70            | 6,220.85            | 205.01          | 35.16       | -73.43                | -2,388.09                         | 410.27     | 6,915.72             | 6,790.61              | 125.11                  | 55.275            |                    |         |
| 14,100.00                    | 7,070.58            | 6,503.68            | 6,222.73            | 207.83          | 35.17       | -73.47                | -2,388.74                         | 410.23     | 7,006.37             | 6,881.11              | 125.25                  | 55.937            |                    |         |
| 14,200.00                    | 7,070.59            | 6,505.67            | 6,224.61            | 210.65          | 35.18       | -73.51                | -2,389.40                         | 410.18     | 7,097.26             | 6,971.87              | 125.39                  | 56.601            |                    |         |
| 14,300.00                    | 7,070.60            | 6,507.67            | 6,226.49            | 213.47          | 35.20       | -73.55                | -2,390.05                         | 410.14     | 7,188.40             | 7,062.88              | 125.52                  | 57.268            |                    |         |
| 14,400.00                    | 7,070.60            | 6,509.67            | 6,228.38            | 216.29          | 35.21       | -73.59                | -2,390.71                         | 410.10     | 7,279.77             | 7,154.12              | 125.65                  | 57.937            |                    |         |
| 14,500.00                    | 7,070.61            | 6,511.67            | 6,230.27            | 219.11          | 35.22       | -73.63                | -2,391.38                         | 410.05     | 7,371.36             | 7,245.59              | 125.77                  | 58.609            |                    |         |
| 14,600.00                    | 7,070.62            | 6,513.69            | 6,232.17            | 221.94          | 35.23       | -73.67                | -2,392.04                         | 410.01     | 7,463.17             | 7,337.28              | 125.89                  | 59.282            |                    |         |
| 14,700.00                    | 7,070.63            | 6,510.00            | 6,228.69            | 224.76          | 35.21       | -73.59                | -2,390.82                         | 410.09     | 7,555.19             | 7,429.26              | 125.93                  | 59.994            |                    |         |
| 14,800.00                    | 7,070.64            | 6,510.00            | 6,228.69            | 227.58          | 35.21       | -73.59                | -2,390.82                         | 410.09     | 7,647.41             | 7,521.39              | 126.02                  | 60.685            |                    |         |
| 14,900.00                    | 7,070.65            | 6,510.00            | 6,228.69            | 230.41          | 35.21       | -73.59                | -2,390.82                         | 410.09     | 7,739.82             | 7,613.72              | 126.10                  | 61.377            |                    |         |
| 15,000.00                    | 7,070.66            | 6,510.00            | 6,228.69            | 233.24          | 35.21       | -73.59                | -2,390.82                         | 410.09     | 7,832.42             | 7,706.23              | 126.18                  | 62.072            |                    |         |
| 15,100.00                    | 7,070.67            | 6,510.00            | 6,228.69            | 236.06          | 35.21       | -73.59                | -2,390.82                         | 410.09     | 7,925.19             | 7,798.93              | 126.26                  | 62.769            |                    |         |
| 15,200.00                    | 7,070.68            | 6,510.00            | 6,228.69            | 238.89          | 35.21       | -73.59                | -2,390.82                         | 410.09     | 8,018.14             | 7,891.81              | 126.33                  | 63.467            |                    |         |
| 15,300.00                    | 7,070.68            | 6,510.00            | 6,228.69            | 241.72          | 35.21       | -73.59                | -2,390.82                         | 410.09     | 8,111.26             | 7,984.85              | 126.41                  | 64.168            |                    |         |
| 15,400.00                    | 7,070.69            | 6,523.07            | 6,241.03            | 244.55          | 35.29       | -73.85                | -2,395.13                         | 409.81     | 8,204.53             | 8,077.87              | 126.65                  | 64.780            |                    |         |
| 15,500.00                    | 7,070.70            | 6,524.34            | 6,242.23            | 247.38          | 35.30       | -73.87                | -2,395.55                         | 409.79     | 8,297.96             | 8,171.22              | 126.74                  | 65.474            |                    |         |
| 15,600.00                    | 7,070.71            | 6,525.60            | 6,243.42            | 250.21          | 35.30       | -73.90                | -2,395.97                         | 409.76     | 8,391.54             | 8,264.72              | 126.82                  | 66.169            |                    |         |
| 15,700.00                    | 7,070.72            | 6,526.85            | 6,244.60            | 253.04          | 35.31       | -73.92                | -2,396.38                         | 409.73     | 8,485.27             | 8,358.37              | 126.90                  | 66.865            |                    |         |
| 15,800.00                    | 7,070.73            | 6,528.10            | 6,245.77            | 255.87          | 35.32       | -73.95                | -2,396.79                         | 409.71     | 8,579.15             | 8,452.17              | 126.98                  | 67.563            |                    |         |
| 15,900.00                    | 7,070.74            | 6,529.33            | 6,246.94            | 258.71          | 35.32       | -73.97                | -2,397.20                         | 409.68     | 8,673.16             | 8,546.10              | 127.06                  | 68.262            |                    |         |
| 16,000.00                    | 7,070.75            | 6,530.55            | 6,248.09            | 261.54          | 35.33       | -73.99                | -2,397.61                         | 409.66     | 8,767.30             | 8,640.16              | 127.13                  | 68.961            |                    |         |
| 16,100.00                    | 7,070.76            | 6,531.77            | 6,249.24            | 264.37          | 35.34       | -74.02                | -2,398.01                         | 409.63     | 8,861.57             | 8,734.36              | 127.21                  | 69.662            |                    |         |
| 16,200.00                    | 7,070.76            | 6,532.97            | 6,250.37            | 267.21          | 35.35       | -74.04                | -2,398.40                         | 409.61     | 8,955.96             | 8,828.68              | 127.28                  | 70.364            |                    |         |
| 16,300.00                    | 7,070.77            | 6,534.17            | 6,251.50            | 270.04          | 35.35       | -74.06                | -2,398.80                         | 409.59     | 9,050.47             | 8,923.12              | 127.35                  | 71.067            |                    |         |
| 16,400.00                    | 7,070.78            | 6,535.35            | 6,252.62            | 272.88          | 35.36       | -74.09                | -2,399.19                         | 409.56     | 9,145.10             | 9,017.68              | 127.42                  | 71.770            |                    |         |
| 16,500.00                    | 7,070.79            | 6,536.53            | 6,253.73            | 275.71          | 35.37       | -74.11                | -2,399.58                         | 409.54     | 9,239.84             | 9,112.35              | 127.49                  | 72.475            |                    |         |
| 16,600.00                    | 7,070.80            | 6,537.70            | 6,254.83            | 278.55          | 35.37       | -74.13                | -2,399.97                         | 409.52     | 9,334.70             | 9,207.14              | 127.56                  | 73.180            |                    |         |
| 16,700.00                    | 7,070.81            | 6,538.86            | 6,255.93            | 281.39          | 35.38       | -74.16                | -2,400.35                         | 409.49     | 9,429.65             | 9,302.03              | 127.63                  | 73.885            |                    |         |
| 16,800.00                    | 7,070.82            | 6,540.01            | 6,257.01            | 284.22          | 35.39       | -74.18                | -2,400.73                         | 409.47     | 9,524.71             | 9,397.02              | 127.69                  | 74.592            |                    |         |
| 16,900.00                    | 7,070.83            | 6,541.15            | 6,258.09            | 287.06          | 35.40       | -74.20                | -2,401.11                         | 409.45     | 9,619.88             | 9,492.12              | 127.76                  | 75.299            |                    |         |
| 17,000.00                    | 7,070.84            | 6,542.29            | 6,259.16            | 289.90          | 35.40       | -74.22                | -2,401.49                         | 409.43     | 9,715.13             | 9,587.31              | 127.82                  | 76.006            |                    |         |
| 17,100.00                    | 7,070.84            | 6,543.41            | 6,260.22            | 292.74          | 35.41       | -74.24                | -2,401.86                         | 409.40     | 9,810.49             | 9,682.60              | 127.88                  | 76.714            |                    |         |
| 17,200.00                    | 7,070.85            | 6,544.53            | 6,261.28            | 295.58          | 35.42       | -74.27                | -2,402.23                         | 409.38     | 9,905.93             | 9,777.98              | 127.95                  | 77.423            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 226-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 138.75                | -577.78                           | 506.70     | 768.57               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 84.44               | 84.44               | 3.28            | 3.29        | 138.76                | -578.10                           | 506.73     | 768.76               | 762.19                | 6.57                    | 117.009           |                    |         |
| 200.00                       | 200.00              | 179.30              | 179.30              | 3.34            | 3.30        | 138.81                | -579.20                           | 506.81     | 769.69               | 763.04                | 6.64                    | 115.893           |                    |         |
| 300.00                       | 300.00              | 283.86              | 283.83              | 3.44            | 3.36        | 138.88                | -580.78                           | 507.00     | 770.96               | 764.15                | 6.81                    | 113.239           |                    |         |
| 400.00                       | 399.98              | 390.49              | 390.47              | 3.60            | 3.49        | 66.48                 | -580.58                           | 507.38     | 770.35               | 763.25                | 7.09                    | 108.622           |                    |         |
| 500.00                       | 499.84              | 492.34              | 492.32              | 3.80            | 3.66        | 66.87                 | -580.09                           | 507.42     | 767.93               | 760.47                | 7.46                    | 102.935           |                    |         |
| 600.00                       | 599.45              | 578.67              | 578.64              | 4.04            | 3.84        | 67.41                 | -579.97                           | 507.91     | 764.82               | 756.95                | 7.88                    | 97.116            |                    |         |
| 700.00                       | 698.70              | 665.03              | 664.93              | 4.32            | 4.05        | 67.98                 | -579.65                           | 511.24     | 762.36               | 754.00                | 8.36                    | 91.221            |                    |         |
| 800.00                       | 797.47              | 751.30              | 750.96              | 4.63            | 4.28        | 68.55                 | -578.76                           | 517.54     | 760.36               | 751.46                | 8.90                    | 85.460            |                    |         |
| 900.00                       | 895.62              | 840.10              | 839.28              | 4.97            | 4.54        | 69.19                 | -577.61                           | 526.69     | 758.85               | 749.35                | 9.50                    | 79.907            |                    |         |
| 924.00                       | 919.08              | 861.85              | 860.88              | 5.06            | 4.61        | 69.36                 | -577.32                           | 529.20     | 758.51               | 748.86                | 9.65                    | 78.611            |                    |         |
| 1,000.00                     | 993.28              | 935.77              | 934.29              | 5.34            | 4.84        | 69.95                 | -576.58                           | 537.83     | 757.60               | 747.44                | 10.16                   | 74.544            |                    |         |
| 1,100.00                     | 1,090.92            | 1,042.36            | 1,040.40            | 5.73            | 5.20        | 71.01                 | -576.98                           | 547.84     | 756.30               | 745.39                | 10.90                   | 69.364            |                    |         |
| 1,200.00                     | 1,188.56            | 1,164.08            | 1,161.96            | 6.15            | 5.62        | 72.61                 | -578.37                           | 553.75     | 753.27               | 741.54                | 11.73                   | 64.217            |                    |         |
| 1,300.00                     | 1,286.19            | 1,280.21            | 1,278.08            | 6.57            | 6.03        | 74.41                 | -578.70                           | 554.67     | 747.66               | 735.11                | 12.55                   | 59.567            |                    |         |
| 1,400.00                     | 1,383.83            | 1,381.91            | 1,379.78            | 7.01            | 6.38        | 76.04                 | -577.95                           | 554.29     | 741.19               | 727.85                | 13.35                   | 55.539            |                    |         |
| 1,500.00                     | 1,481.47            | 1,477.42            | 1,475.28            | 7.46            | 6.73        | 77.65                 | -577.59                           | 553.44     | 735.36               | 721.22                | 14.14                   | 52.009            |                    |         |
| 1,600.00                     | 1,579.10            | 1,572.28            | 1,570.14            | 7.91            | 7.08        | 79.25                 | -577.40                           | 552.79     | 730.41               | 715.46                | 14.95                   | 48.864            |                    |         |
| 1,700.00                     | 1,676.74            | 1,669.68            | 1,667.54            | 8.37            | 7.45        | 80.86                 | -577.13                           | 553.08     | 726.48               | 710.69                | 15.78                   | 46.028            |                    |         |
| 1,800.00                     | 1,774.38            | 1,769.26            | 1,767.12            | 8.84            | 7.84        | 82.51                 | -576.48                           | 553.27     | 722.76               | 706.12                | 16.64                   | 43.433            |                    |         |
| 1,900.00                     | 1,872.02            | 1,874.14            | 1,871.99            | 9.31            | 8.25        | 84.24                 | -575.62                           | 553.73     | 719.64               | 702.12                | 17.53                   | 41.058            |                    |         |
| 2,000.00                     | 1,969.65            | 2,010.11            | 2,007.79            | 9.79            | 8.79        | 86.36                 | -569.32                           | 554.16     | 713.60               | 695.08                | 18.51                   | 38.547            |                    |         |
| 2,100.00                     | 2,067.29            | 2,144.70            | 2,141.72            | 10.27           | 9.33        | 88.54                 | -556.31                           | 551.69     | 702.66               | 683.20                | 19.46                   | 36.113            |                    |         |
| 2,200.00                     | 2,164.93            | 2,258.33            | 2,254.30            | 10.75           | 9.79        | 90.53                 | -541.54                           | 547.35     | 688.60               | 668.25                | 20.35                   | 33.835            |                    |         |
| 2,300.00                     | 2,262.56            | 2,373.68            | 2,368.15            | 11.24           | 10.27       | 92.39                 | -523.19                           | 545.10     | 673.07               | 651.83                | 21.24                   | 31.690            |                    |         |
| 2,400.00                     | 2,360.20            | 2,493.24            | 2,485.35            | 11.73           | 10.76       | 94.16                 | -499.61                           | 544.57     | 654.80               | 632.69                | 22.11                   | 29.619            |                    |         |
| 2,500.00                     | 2,457.84            | 2,616.66            | 2,605.18            | 12.22           | 11.28       | 95.88                 | -470.14                           | 545.29     | 633.19               | 610.25                | 22.93                   | 27.609            |                    |         |
| 2,600.00                     | 2,555.48            | 2,725.85            | 2,710.13            | 12.71           | 11.75       | 97.38                 | -440.05                           | 546.65     | 608.47               | 584.70                | 23.77                   | 25.595            |                    |         |
| 2,700.00                     | 2,653.11            | 2,829.82            | 2,809.83            | 13.20           | 12.21       | 99.04                 | -410.56                           | 546.72     | 583.17               | 558.54                | 24.63                   | 23.681            |                    |         |
| 2,800.00                     | 2,750.75            | 2,932.01            | 2,907.33            | 13.70           | 12.67       | 100.97                | -379.98                           | 545.18     | 556.47               | 530.98                | 25.48                   | 21.836            |                    |         |
| 2,900.00                     | 2,848.39            | 3,028.73            | 2,999.46            | 14.19           | 13.11       | 103.08                | -350.65                           | 542.68     | 529.81               | 503.43                | 26.38                   | 20.084            |                    |         |
| 3,000.00                     | 2,946.02            | 3,121.83            | 3,088.08            | 14.69           | 13.54       | 105.29                | -322.22                           | 540.51     | 503.71               | 476.40                | 27.31                   | 18.442            |                    |         |
| 3,100.00                     | 3,043.66            | 3,216.32            | 3,178.13            | 15.19           | 13.99       | 107.83                | -293.74                           | 537.74     | 478.80               | 450.55                | 28.25                   | 16.951            |                    |         |
| 3,200.00                     | 3,141.30            | 3,306.10            | 3,263.75            | 15.69           | 14.41       | 110.26                | -266.74                           | 536.90     | 455.02               | 425.79                | 29.23                   | 15.567            |                    |         |
| 3,300.00                     | 3,238.94            | 3,396.14            | 3,350.01            | 16.19           | 14.84       | 112.95                | -240.96                           | 535.89     | 433.65               | 403.43                | 30.22                   | 14.350            |                    |         |
| 3,400.00                     | 3,336.57            | 3,486.33            | 3,436.69            | 16.69           | 15.27       | 115.57                | -216.06                           | 537.02     | 414.29               | 383.08                | 31.21                   | 13.273            |                    |         |
| 3,500.00                     | 3,434.21            | 3,581.53            | 3,528.48            | 17.19           | 15.72       | 118.72                | -190.85                           | 537.13     | 397.27               | 365.10                | 32.17                   | 12.349            |                    |         |
| 3,600.00                     | 3,531.85            | 3,673.23            | 3,616.76            | 17.69           | 16.16       | 122.23                | -166.08                           | 535.62     | 381.45               | 348.29                | 33.16                   | 11.504            |                    |         |
| 3,700.00                     | 3,629.48            | 3,771.10            | 3,711.25            | 18.20           | 16.63       | 126.40                | -140.70                           | 532.77     | 368.77               | 334.67                | 34.10                   | 10.815            |                    |         |
| 3,800.00                     | 3,727.12            | 3,880.18            | 3,815.70            | 18.70           | 17.17       | 131.39                | -109.40                           | 530.48     | 355.33               | 320.40                | 34.93                   | 10.172            |                    |         |
| 3,900.00                     | 3,824.76            | 3,984.12            | 3,914.45            | 19.21           | 17.69       | 136.28                | -76.96                            | 531.15     | 340.85               | 305.06                | 35.80                   | 9.522             |                    |         |
| 4,000.00                     | 3,922.40            | 4,077.57            | 4,003.00            | 19.71           | 18.16       | 140.94                | -47.14                            | 532.63     | 327.72               | 290.94                | 36.79                   | 8.908             |                    |         |
| 4,100.00                     | 4,020.03            | 4,164.72            | 4,086.04            | 20.21           | 18.59       | 145.42                | -20.77                            | 534.01     | 318.53               | 280.70                | 37.83                   | 8.420             |                    |         |
| 4,200.00                     | 4,117.67            | 4,254.97            | 4,172.65            | 20.72           | 19.04       | 150.15                | 4.62                              | 534.54     | 314.20               | 275.41                | 38.80                   | 8.099             |                    |         |
| 4,256.71                     | 4,173.04            | 4,306.59            | 4,222.34            | 21.01           | 19.30       | 152.86                | 18.60                             | 534.61     | 313.54               | 274.21                | 39.32                   | 7.973 CC          |                    |         |
| 4,300.00                     | 4,215.31            | 4,345.81            | 4,260.16            | 21.23           | 19.49       | 154.91                | 28.98                             | 534.48     | 313.93               | 274.21                | 39.72                   | 7.904 ES          |                    |         |
| 4,400.00                     | 4,312.94            | 4,441.17            | 4,352.13            | 21.73           | 19.96       | 159.94                | 54.15                             | 533.41     | 317.32               | 276.71                | 40.61                   | 7.813             |                    |         |
| 4,500.00                     | 4,410.58            | 4,532.27            | 4,439.67            | 22.24           | 20.42       | 164.88                | 79.29                             | 531.21     | 323.70               | 282.22                | 41.47                   | 7.805             |                    |         |
| 4,600.00                     | 4,508.22            | 4,629.93            | 4,533.52            | 22.75           | 20.91       | 170.01                | 106.09                            | 527.92     | 333.69               | 291.34                | 42.36                   | 7.878             |                    |         |
| 4,700.00                     | 4,605.86            | 4,723.38            | 4,623.07            | 23.25           | 21.38       | 174.73                | 132.66                            | 525.25     | 345.44               | 302.23                | 43.21                   | 7.995             |                    |         |
| 4,800.00                     | 4,703.49            | 4,821.79            | 4,717.41            | 23.76           | 21.88       | 179.36                | 160.48                            | 522.25     | 359.84               | 315.73                | 44.11                   | 8.158             |                    |         |
| 4,900.00                     | 4,801.13            | 4,925.26            | 4,816.21            | 24.27           | 22.41       | -176.01               | 191.15                            | 520.59     | 374.72               | 329.63                | 45.08                   | 8.312             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 226-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                     | 4,898.77            | 5,015.55            | 4,902.74            | 24.77           | 22.87       | -172.46               | 216.95                            | 520.16     | 390.76               | 344.84                | 45.91                   | 8.511             |                    |         |
| 5,100.00                     | 4,996.40            | 5,108.72            | 4,992.14            | 25.28           | 23.34       | -169.10               | 243.13                            | 518.65     | 409.51               | 362.74                | 46.78                   | 8.755             |                    |         |
| 5,200.00                     | 5,094.04            | 5,201.89            | 5,081.68            | 25.79           | 23.82       | -166.09               | 268.84                            | 516.85     | 429.99               | 382.35                | 47.64                   | 9.026             |                    |         |
| 5,300.00                     | 5,191.68            | 5,303.66            | 5,179.59            | 26.30           | 24.33       | -163.15               | 296.55                            | 515.24     | 451.27               | 402.63                | 48.64                   | 9.277             |                    |         |
| 5,400.00                     | 5,289.32            | 5,399.21            | 5,271.88            | 26.81           | 24.81       | -160.80               | 321.29                            | 514.55     | 472.65               | 423.10                | 49.55                   | 9.538             |                    |         |
| 5,500.00                     | 5,386.95            | 5,486.16            | 5,356.00            | 27.32           | 25.25       | -158.91               | 343.21                            | 513.12     | 495.60               | 445.28                | 50.32                   | 9.849             |                    |         |
| 5,600.00                     | 5,484.59            | 5,577.96            | 5,444.45            | 27.83           | 25.71       | -156.95               | 367.62                            | 510.43     | 520.47               | 469.30                | 51.17                   | 10.171            |                    |         |
| 5,700.00                     | 5,582.23            | 5,667.96            | 5,531.07            | 28.33           | 26.17       | -155.16               | 391.87                            | 507.19     | 546.60               | 494.61                | 51.99                   | 10.513            |                    |         |
| 5,800.00                     | 5,679.87            | 5,765.06            | 5,624.58            | 28.84           | 26.67       | -153.43               | 417.72                            | 503.27     | 573.63               | 520.68                | 52.95                   | 10.833            |                    |         |
| 5,900.00                     | 5,777.50            | 5,860.57            | 5,716.41            | 29.35           | 27.16       | -151.83               | 443.70                            | 499.86     | 600.73               | 546.85                | 53.88                   | 11.148            |                    |         |
| 6,000.00                     | 5,875.14            | 5,956.40            | 5,808.07            | 29.86           | 27.65       | -150.18               | 471.53                            | 496.90     | 628.19               | 573.36                | 54.83                   | 11.457            |                    |         |
| 6,100.00                     | 5,972.78            | 6,055.02            | 5,902.30            | 30.37           | 28.17       | -148.58               | 500.50                            | 494.31     | 655.74               | 599.90                | 55.84                   | 11.744            |                    |         |
| 6,200.00                     | 6,070.41            | 6,164.35            | 6,007.24            | 30.88           | 28.73       | -147.06               | 531.14                            | 492.94     | 682.04               | 625.03                | 57.02                   | 11.962            |                    |         |
| 6,300.00                     | 6,168.05            | 6,249.29            | 6,089.10            | 31.39           | 29.17       | -146.07               | 553.74                            | 491.54     | 708.69               | 650.91                | 57.78                   | 12.265            |                    |         |
| 6,400.00                     | 6,265.69            | 6,334.94            | 6,171.35            | 31.90           | 29.61       | -145.09               | 577.52                            | 489.19     | 736.90               | 678.35                | 58.55                   | 12.586            |                    |         |
| 6,439.09                     | 6,303.85            | 6,370.30            | 6,205.16            | 32.10           | 29.79       | -144.66               | 587.82                            | 488.10     | 748.28               | 689.39                | 58.89                   | 12.707            |                    |         |
| 6,450.00                     | 6,314.53            | 6,380.18            | 6,214.60            | 32.16           | 29.84       | -143.16               | 590.71                            | 487.78     | 751.39               | 692.41                | 58.98                   | 12.739            |                    |         |
| 6,500.00                     | 6,363.83            | 6,425.85            | 6,258.22            | 32.39           | 30.08       | -131.50               | 604.15                            | 486.26     | 763.58               | 704.18                | 59.40                   | 12.854            |                    |         |
| 6,550.00                     | 6,413.58            | 6,501.31            | 6,330.45            | 32.60           | 30.48       | -98.09                | 625.93                            | 484.83     | 771.48               | 711.16                | 60.32                   | 12.789            |                    |         |
| 6,600.00                     | 6,463.45            | 6,551.97            | 6,379.14            | 32.79           | 30.74       | -36.58                | 639.94                            | 484.92     | 774.63               | 713.84                | 60.78                   | 12.744            |                    |         |
| 6,650.00                     | 6,513.15            | 6,593.47            | 6,419.10            | 32.97           | 30.95       | -8.41                 | 651.11                            | 484.53     | 774.60               | 713.52                | 61.08                   | 12.682            |                    |         |
| 6,700.00                     | 6,562.37            | 6,635.05            | 6,459.18            | 33.15           | 31.16       | 2.42                  | 662.15                            | 483.67     | 771.50               | 710.14                | 61.36                   | 12.574            |                    |         |
| 6,750.00                     | 6,610.80            | 6,676.17            | 6,498.67            | 33.34           | 31.38       | 8.29                  | 673.54                            | 482.64     | 765.37               | 703.75                | 61.62                   | 12.421            |                    |         |
| 6,800.00                     | 6,658.14            | 6,723.48            | 6,543.92            | 33.53           | 31.62       | 12.55                 | 687.29                            | 481.34     | 756.28               | 694.28                | 62.00                   | 12.198            |                    |         |
| 6,850.00                     | 6,704.11            | 7,387.38            | 7,087.33            | 33.74           | 34.31       | 58.61                 | 674.55                            | 753.94     | 732.30               | 677.06                | 55.24                   | 13.257            |                    |         |
| 6,900.00                     | 6,748.42            | 7,415.43            | 7,103.25            | 33.97           | 34.38       | 68.09                 | 679.75                            | 776.44     | 694.58               | 638.87                | 55.71                   | 12.468            |                    |         |
| 6,950.00                     | 6,790.79            | 7,423.21            | 7,107.55            | 34.21           | 34.40       | 74.80                 | 681.14                            | 782.77     | 657.67               | 600.79                | 56.88                   | 11.563            |                    |         |
| 7,000.00                     | 6,830.97            | 7,419.04            | 7,105.25            | 34.48           | 34.39       | 79.47                 | 680.40                            | 779.37     | 622.14               | 563.71                | 58.43                   | 10.648            |                    |         |
| 7,050.00                     | 6,868.71            | 7,407.31            | 7,098.71            | 34.77           | 34.36       | 82.61                 | 678.27                            | 769.87     | 588.43               | 528.24                | 60.19                   | 9.776             |                    |         |
| 7,100.00                     | 6,903.77            | 7,390.52            | 7,089.14            | 35.09           | 34.32       | 84.56                 | 675.15                            | 756.43     | 556.90               | 494.85                | 62.05                   | 8.975             |                    |         |
| 7,150.00                     | 6,935.93            | 7,370.60            | 7,077.48            | 35.44           | 34.27       | 85.61                 | 671.31                            | 740.74     | 527.86               | 463.97                | 63.89                   | 8.262             |                    |         |
| 7,200.00                     | 6,965.01            | 7,345.63            | 7,062.37            | 35.83           | 34.20       | 85.55                 | 666.33                            | 721.51     | 501.60               | 435.90                | 65.70                   | 7.635             |                    |         |
| 7,250.00                     | 6,990.82            | 7,319.95            | 7,046.17            | 36.26           | 34.13       | 84.93                 | 660.99                            | 702.30     | 478.38               | 411.07                | 67.32                   | 7.107             |                    |         |
| 7,300.00                     | 7,013.20            | 7,293.76            | 7,029.00            | 36.72           | 34.06       | 83.82                 | 655.33                            | 683.36     | 458.48               | 389.80                | 68.68                   | 6.675             |                    |         |
| 7,350.00                     | 7,032.02            | 7,268.11            | 7,011.57            | 37.23           | 33.99       | 82.35                 | 649.60                            | 665.44     | 442.12               | 372.39                | 69.74                   | 6.340             |                    |         |
| 7,400.00                     | 7,047.15            | 7,244.55            | 6,995.00            | 37.77           | 33.92       | 80.73                 | 644.27                            | 649.56     | 429.60               | 359.09                | 70.51                   | 6.092             |                    |         |
| 7,450.00                     | 7,058.51            | 7,220.47            | 6,977.52            | 38.34           | 33.84       | 78.68                 | 638.82                            | 633.92     | 421.03               | 350.02                | 71.01                   | 5.929             |                    |         |
| 7,500.00                     | 7,066.02            | 7,195.97            | 6,959.20            | 38.95           | 33.77       | 76.23                 | 633.27                            | 618.64     | 416.39               | 345.13                | 71.26                   | 5.843             |                    |         |
| 7,538.87                     | 7,069.18            | 7,174.81            | 6,942.95            | 39.44           | 33.70       | 73.87                 | 628.47                            | 605.96     | 415.39               | 344.13                | 71.26                   | 5.829 SF          |                    |         |
| 7,550.00                     | 7,069.64            | 7,166.17            | 6,936.23            | 39.58           | 33.67       | 72.87                 | 626.45                            | 600.92     | 415.45               | 344.28                | 71.17                   | 5.838             |                    |         |
| 7,571.20                     | 7,070.00            | 7,149.87            | 6,923.46            | 39.85           | 33.61       | 70.97                 | 622.44                            | 591.62     | 415.92               | 344.97                | 70.94                   | 5.863             |                    |         |
| 7,600.00                     | 7,070.00            | 7,128.71            | 6,906.70            | 40.23           | 33.53       | 68.54                 | 616.91                            | 579.95     | 417.43               | 346.86                | 70.58                   | 5.915             |                    |         |
| 7,700.00                     | 7,070.01            | 7,070.01            | 6,859.22            | 41.64           | 33.31       | 61.64                 | 799.60                            | 550.13     | 432.53               | 363.33                | 69.20                   | 6.251             |                    |         |
| 7,800.00                     | 7,070.02            | 7,030.64            | 6,826.38            | 43.20           | 33.14       | 56.93                 | 786.75                            | 532.63     | 464.09               | 395.83                | 68.26                   | 6.799             |                    |         |
| 7,900.00                     | 7,070.03            | 6,999.70            | 6,800.01            | 44.89           | 33.01       | 53.24                 | 776.10                            | 520.44     | 510.63               | 443.00                | 67.63                   | 7.550             |                    |         |
| 8,000.00                     | 7,070.04            | 6,991.00            | 6,792.52            | 46.69           | 32.97       | 52.20                 | 773.03                            | 517.26     | 569.59               | 501.56                | 68.03                   | 8.373             |                    |         |
| 8,100.00                     | 7,070.05            | 6,961.68            | 6,766.91            | 48.60           | 32.83       | 48.76                 | 762.63                            | 507.51     | 637.38               | 569.96                | 67.42                   | 9.454             |                    |         |
| 8,200.00                     | 7,070.05            | 6,947.89            | 6,754.66            | 50.59           | 32.77       | 47.17                 | 757.78                            | 503.44     | 712.36               | 644.95                | 67.42                   | 10.567            |                    |         |
| 8,300.00                     | 7,070.06            | 6,936.16            | 6,744.14            | 52.66           | 32.71       | 45.84                 | 753.67                            | 500.25     | 792.43               | 725.01                | 67.42                   | 11.754            |                    |         |
| 8,400.00                     | 7,070.07            | 6,926.06            | 6,735.02            | 54.81           | 32.66       | 44.71                 | 750.14                            | 497.71     | 876.28               | 808.87                | 67.41                   | 12.999            |                    |         |
| 8,500.00                     | 7,070.08            | 6,898.00            | 6,709.41            | 57.02           | 32.52       | 41.66                 | 740.45                            | 491.61     | 963.51               | 896.53                | 66.98                   | 14.384            |                    |         |
| 8,600.00                     | 7,070.09            | 6,898.00            | 6,709.41            | 59.28           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,052.05             | 984.88                | 67.16                   | 15.664            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 226-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,898.00            | 6,709.41            | 61.60           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,142.48             | 1,075.20              | 67.28                   | 16.981            |                    |         |
| 8,800.00                     | 7,070.11            | 6,898.00            | 6,709.41            | 63.95           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,234.39             | 1,167.04              | 67.35                   | 18.328            |                    |         |
| 8,900.00                     | 7,070.12            | 6,898.00            | 6,709.41            | 66.35           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,327.46             | 1,260.07              | 67.39                   | 19.699            |                    |         |
| 9,000.00                     | 7,070.13            | 6,898.00            | 6,709.41            | 68.79           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,421.48             | 1,354.07              | 67.41                   | 21.087            |                    |         |
| 9,100.00                     | 7,070.13            | 6,898.00            | 6,709.41            | 71.25           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,516.27             | 1,448.85              | 67.42                   | 22.491            |                    |         |
| 9,200.00                     | 7,070.14            | 6,898.00            | 6,709.41            | 73.74           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,611.68             | 1,544.26              | 67.42                   | 23.906            |                    |         |
| 9,300.00                     | 7,070.15            | 6,898.00            | 6,709.41            | 76.26           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,707.62             | 1,640.21              | 67.41                   | 25.331            |                    |         |
| 9,400.00                     | 7,070.16            | 6,898.00            | 6,709.41            | 78.80           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,804.00             | 1,736.60              | 67.40                   | 26.764            |                    |         |
| 9,500.00                     | 7,070.17            | 6,898.00            | 6,709.41            | 81.37           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,900.75             | 1,833.36              | 67.40                   | 28.203            |                    |         |
| 9,600.00                     | 7,070.18            | 6,898.00            | 6,709.41            | 83.95           | 32.52       | 41.66                 | 740.45                            | 491.61     | 1,997.83             | 1,930.44              | 67.39                   | 29.648            |                    |         |
| 9,700.00                     | 7,070.19            | 6,898.00            | 6,709.41            | 86.55           | 32.52       | 41.66                 | 740.45                            | 491.61     | 2,095.18             | 2,027.80              | 67.38                   | 31.097            |                    |         |
| 9,800.00                     | 7,070.20            | 6,859.88            | 6,673.98            | 89.17           | 32.33       | 37.77                 | 727.78                            | 485.58     | 2,191.06             | 2,123.95              | 67.11                   | 32.647            |                    |         |
| 9,900.00                     | 7,070.21            | 6,857.55            | 6,671.79            | 91.80           | 32.32       | 37.54                 | 727.03                            | 485.30     | 2,288.66             | 2,221.56              | 67.10                   | 34.106            |                    |         |
| 10,000.00                    | 7,070.21            | 6,855.36            | 6,669.73            | 94.44           | 32.31       | 37.33                 | 726.33                            | 485.04     | 2,386.45             | 2,319.35              | 67.09                   | 35.568            |                    |         |
| 10,100.00                    | 7,070.22            | 6,853.32            | 6,667.81            | 97.10           | 32.30       | 37.14                 | 725.68                            | 484.81     | 2,484.40             | 2,417.31              | 67.09                   | 37.032            |                    |         |
| 10,200.00                    | 7,070.23            | 6,851.40            | 6,666.00            | 99.77           | 32.29       | 36.95                 | 725.07                            | 484.60     | 2,582.50             | 2,515.42              | 67.08                   | 38.496            |                    |         |
| 10,300.00                    | 7,070.24            | 6,849.59            | 6,664.30            | 102.44          | 32.28       | 36.78                 | 724.50                            | 484.40     | 2,680.74             | 2,613.65              | 67.08                   | 39.962            |                    |         |
| 10,400.00                    | 7,070.25            | 6,847.89            | 6,662.69            | 105.13          | 32.27       | 36.62                 | 723.96                            | 484.22     | 2,779.09             | 2,712.01              | 67.08                   | 41.427            |                    |         |
| 10,500.00                    | 7,070.26            | 6,846.28            | 6,661.17            | 107.83          | 32.26       | 36.47                 | 723.45                            | 484.06     | 2,877.55             | 2,810.46              | 67.09                   | 42.894            |                    |         |
| 10,600.00                    | 7,070.27            | 6,844.76            | 6,659.74            | 110.53          | 32.25       | 36.32                 | 722.98                            | 483.91     | 2,976.11             | 2,909.02              | 67.09                   | 44.360            |                    |         |
| 10,700.00                    | 7,070.28            | 6,843.32            | 6,658.38            | 113.24          | 32.25       | 36.19                 | 722.53                            | 483.77     | 3,074.76             | 3,007.66              | 67.10                   | 45.826            |                    |         |
| 10,800.00                    | 7,070.28            | 6,804.00            | 6,620.95            | 115.96          | 32.04       | 32.71                 | 710.72                            | 481.44     | 3,175.05             | 3,108.13              | 66.93                   | 47.439            |                    |         |
| 10,900.00                    | 7,070.29            | 6,804.00            | 6,620.95            | 118.69          | 32.04       | 32.71                 | 710.72                            | 481.44     | 3,273.74             | 3,206.79              | 66.95                   | 48.899            |                    |         |
| 11,000.00                    | 7,070.30            | 6,804.00            | 6,620.95            | 121.42          | 32.04       | 32.71                 | 710.72                            | 481.44     | 3,372.51             | 3,305.54              | 66.97                   | 50.358            |                    |         |
| 11,100.00                    | 7,070.31            | 6,804.00            | 6,620.95            | 124.16          | 32.04       | 32.71                 | 710.72                            | 481.44     | 3,471.34             | 3,404.35              | 66.99                   | 51.817            |                    |         |
| 11,200.00                    | 7,070.32            | 6,804.00            | 6,620.95            | 126.90          | 32.04       | 32.71                 | 710.72                            | 481.44     | 3,570.24             | 3,503.23              | 67.02                   | 53.275            |                    |         |
| 11,300.00                    | 7,070.33            | 6,804.00            | 6,620.95            | 129.65          | 32.04       | 32.71                 | 710.72                            | 481.44     | 3,669.20             | 3,602.16              | 67.04                   | 54.731            |                    |         |
| 11,400.00                    | 7,070.34            | 6,804.00            | 6,620.95            | 132.40          | 32.04       | 32.71                 | 710.72                            | 481.44     | 3,768.22             | 3,701.15              | 67.07                   | 56.187            |                    |         |
| 11,500.00                    | 7,070.35            | 6,804.00            | 6,620.95            | 135.16          | 32.04       | 32.71                 | 710.72                            | 481.44     | 3,867.28             | 3,800.19              | 67.09                   | 57.641            |                    |         |
| 11,600.00                    | 7,070.36            | 6,804.00            | 6,620.95            | 137.92          | 32.04       | 32.71                 | 710.72                            | 481.44     | 3,966.40             | 3,899.28              | 67.12                   | 59.094            |                    |         |
| 11,700.00                    | 7,070.36            | 6,804.00            | 6,620.95            | 140.69          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,065.55             | 3,998.40              | 67.15                   | 60.545            |                    |         |
| 11,800.00                    | 7,070.37            | 6,804.00            | 6,620.95            | 143.46          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,164.75             | 4,097.57              | 67.18                   | 61.994            |                    |         |
| 11,900.00                    | 7,070.38            | 6,804.00            | 6,620.95            | 146.23          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,263.98             | 4,196.77              | 67.21                   | 63.441            |                    |         |
| 12,000.00                    | 7,070.39            | 6,804.00            | 6,620.95            | 149.01          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,363.25             | 4,296.01              | 67.24                   | 64.886            |                    |         |
| 12,100.00                    | 7,070.40            | 6,804.00            | 6,620.95            | 151.79          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,462.55             | 4,395.28              | 67.28                   | 66.329            |                    |         |
| 12,200.00                    | 7,070.41            | 6,804.00            | 6,620.95            | 154.57          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,561.89             | 4,494.57              | 67.31                   | 67.770            |                    |         |
| 12,300.00                    | 7,070.42            | 6,804.00            | 6,620.95            | 157.35          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,661.25             | 4,593.90              | 67.35                   | 69.209            |                    |         |
| 12,400.00                    | 7,070.43            | 6,804.00            | 6,620.95            | 160.14          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,760.63             | 4,693.25              | 67.39                   | 70.645            |                    |         |
| 12,500.00                    | 7,070.44            | 6,804.00            | 6,620.95            | 162.93          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,860.05             | 4,792.62              | 67.43                   | 72.078            |                    |         |
| 12,600.00                    | 7,070.44            | 6,804.00            | 6,620.95            | 165.72          | 32.04       | 32.71                 | 710.72                            | 481.44     | 4,959.48             | 4,892.02              | 67.47                   | 73.509            |                    |         |
| 12,700.00                    | 7,070.45            | 6,804.00            | 6,620.95            | 168.52          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,058.94             | 4,991.43              | 67.51                   | 74.938            |                    |         |
| 12,800.00                    | 7,070.46            | 6,804.00            | 6,620.95            | 171.32          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,158.42             | 5,090.87              | 67.55                   | 76.363            |                    |         |
| 12,900.00                    | 7,070.47            | 6,804.00            | 6,620.95            | 174.11          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,257.92             | 5,190.33              | 67.59                   | 77.786            |                    |         |
| 13,000.00                    | 7,070.48            | 6,804.00            | 6,620.95            | 176.92          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,357.44             | 5,289.80              | 67.64                   | 79.206            |                    |         |
| 13,100.00                    | 7,070.49            | 6,804.00            | 6,620.95            | 179.72          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,456.97             | 5,389.29              | 67.69                   | 80.622            |                    |         |
| 13,200.00                    | 7,070.50            | 6,804.00            | 6,620.95            | 182.52          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,556.53             | 5,488.79              | 67.73                   | 82.036            |                    |         |
| 13,300.00                    | 7,070.51            | 6,804.00            | 6,620.95            | 185.33          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,656.09             | 5,588.31              | 67.78                   | 83.447            |                    |         |
| 13,400.00                    | 7,070.52            | 6,804.00            | 6,620.95            | 188.14          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,755.68             | 5,687.85              | 67.83                   | 84.854            |                    |         |
| 13,500.00                    | 7,070.52            | 6,804.00            | 6,620.95            | 190.95          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,855.27             | 5,787.39              | 67.88                   | 86.258            |                    |         |
| 13,600.00                    | 7,070.53            | 6,804.00            | 6,620.95            | 193.76          | 32.04       | 32.71                 | 710.72                            | 481.44     | 5,954.88             | 5,886.95              | 67.93                   | 87.659            |                    |         |
| 13,700.00                    | 7,070.54            | 6,804.00            | 6,620.95            | 196.57          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,054.51             | 5,986.52              | 67.99                   | 89.056            |                    |         |
| 13,800.00                    | 7,070.55            | 6,804.00            | 6,620.95            | 199.38          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,154.14             | 6,086.10              | 68.04                   | 90.450            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 226-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,804.00            | 6,620.95            | 202.20          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,253.79             | 6,185.70              | 68.09                   | 91.841            |                    |         |
| 14,000.00                    | 7,070.57            | 6,804.00            | 6,620.95            | 205.01          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,353.45             | 6,285.30              | 68.15                   | 93.228            |                    |         |
| 14,100.00                    | 7,070.58            | 6,804.00            | 6,620.95            | 207.83          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,453.12             | 6,384.91              | 68.21                   | 94.611            |                    |         |
| 14,200.00                    | 7,070.59            | 6,804.00            | 6,620.95            | 210.65          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,552.80             | 6,484.53              | 68.26                   | 95.991            |                    |         |
| 14,300.00                    | 7,070.60            | 6,804.00            | 6,620.95            | 213.47          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,652.49             | 6,584.16              | 68.32                   | 97.367            |                    |         |
| 14,400.00                    | 7,070.60            | 6,804.00            | 6,620.95            | 216.29          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,752.18             | 6,683.80              | 68.38                   | 98.739            |                    |         |
| 14,500.00                    | 7,070.61            | 6,804.00            | 6,620.95            | 219.11          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,851.89             | 6,783.45              | 68.45                   | 100.108           |                    |         |
| 14,600.00                    | 7,070.62            | 6,804.00            | 6,620.95            | 221.94          | 32.04       | 32.71                 | 710.72                            | 481.44     | 6,951.61             | 6,883.10              | 68.51                   | 101.472           |                    |         |
| 14,700.00                    | 7,070.63            | 6,804.00            | 6,620.95            | 224.76          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,051.33             | 6,982.76              | 68.57                   | 102.833           |                    |         |
| 14,800.00                    | 7,070.64            | 6,804.00            | 6,620.95            | 227.58          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,151.06             | 7,082.42              | 68.63                   | 104.190           |                    |         |
| 14,900.00                    | 7,070.65            | 6,804.00            | 6,620.95            | 230.41          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,250.80             | 7,182.10              | 68.70                   | 105.543           |                    |         |
| 15,000.00                    | 7,070.66            | 6,804.00            | 6,620.95            | 233.24          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,350.54             | 7,281.78              | 68.77                   | 106.892           |                    |         |
| 15,100.00                    | 7,070.67            | 6,804.00            | 6,620.95            | 236.06          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,450.30             | 7,381.46              | 68.83                   | 108.237           |                    |         |
| 15,200.00                    | 7,070.68            | 6,804.00            | 6,620.95            | 238.89          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,550.05             | 7,481.15              | 68.90                   | 109.578           |                    |         |
| 15,300.00                    | 7,070.68            | 6,804.00            | 6,620.95            | 241.72          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,649.82             | 7,580.85              | 68.97                   | 110.915           |                    |         |
| 15,400.00                    | 7,070.69            | 6,804.00            | 6,620.95            | 244.55          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,749.59             | 7,680.55              | 69.04                   | 112.248           |                    |         |
| 15,500.00                    | 7,070.70            | 6,804.00            | 6,620.95            | 247.38          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,849.37             | 7,780.26              | 69.11                   | 113.576           |                    |         |
| 15,600.00                    | 7,070.71            | 6,804.00            | 6,620.95            | 250.21          | 32.04       | 32.71                 | 710.72                            | 481.44     | 7,949.15             | 7,879.97              | 69.18                   | 114.901           |                    |         |
| 15,700.00                    | 7,070.72            | 6,804.00            | 6,620.95            | 253.04          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,048.94             | 7,979.68              | 69.26                   | 116.221           |                    |         |
| 15,800.00                    | 7,070.73            | 6,804.00            | 6,620.95            | 255.87          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,148.73             | 8,079.40              | 69.33                   | 117.537           |                    |         |
| 15,900.00                    | 7,070.74            | 6,804.00            | 6,620.95            | 258.71          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,248.53             | 8,179.13              | 69.40                   | 118.849           |                    |         |
| 16,000.00                    | 7,070.75            | 6,804.00            | 6,620.95            | 261.54          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,348.33             | 8,278.85              | 69.48                   | 120.156           |                    |         |
| 16,100.00                    | 7,070.76            | 6,804.00            | 6,620.95            | 264.37          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,448.14             | 8,378.58              | 69.56                   | 121.459           |                    |         |
| 16,200.00                    | 7,070.76            | 6,804.00            | 6,620.95            | 267.21          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,547.95             | 8,478.32              | 69.63                   | 122.758           |                    |         |
| 16,300.00                    | 7,070.77            | 6,804.00            | 6,620.95            | 270.04          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,647.77             | 8,578.06              | 69.71                   | 124.052           |                    |         |
| 16,400.00                    | 7,070.78            | 6,804.00            | 6,620.95            | 272.88          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,747.59             | 8,677.80              | 69.79                   | 125.342           |                    |         |
| 16,500.00                    | 7,070.79            | 6,804.00            | 6,620.95            | 275.71          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,847.41             | 8,777.54              | 69.87                   | 126.628           |                    |         |
| 16,600.00                    | 7,070.80            | 6,804.00            | 6,620.95            | 278.55          | 32.04       | 32.71                 | 710.72                            | 481.44     | 8,947.24             | 8,877.29              | 69.95                   | 127.909           |                    |         |
| 16,700.00                    | 7,070.81            | 6,804.00            | 6,620.95            | 281.39          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,047.08             | 8,977.04              | 70.03                   | 129.185           |                    |         |
| 16,800.00                    | 7,070.82            | 6,804.00            | 6,620.95            | 284.22          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,146.91             | 9,076.80              | 70.11                   | 130.458           |                    |         |
| 16,900.00                    | 7,070.83            | 6,804.00            | 6,620.95            | 287.06          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,246.75             | 9,176.55              | 70.20                   | 131.725           |                    |         |
| 17,000.00                    | 7,070.84            | 6,804.00            | 6,620.95            | 289.90          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,346.59             | 9,276.31              | 70.28                   | 132.988           |                    |         |
| 17,100.00                    | 7,070.84            | 6,804.00            | 6,620.95            | 292.74          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,446.44             | 9,376.07              | 70.37                   | 134.247           |                    |         |
| 17,200.00                    | 7,070.85            | 6,804.00            | 6,620.95            | 295.58          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,546.29             | 9,475.84              | 70.45                   | 135.501           |                    |         |
| 17,300.00                    | 7,070.86            | 6,804.00            | 6,620.95            | 298.42          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,646.14             | 9,575.60              | 70.54                   | 136.751           |                    |         |
| 17,400.00                    | 7,070.87            | 6,804.00            | 6,620.95            | 301.26          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,746.00             | 9,675.37              | 70.63                   | 137.996           |                    |         |
| 17,500.00                    | 7,070.88            | 6,804.00            | 6,620.95            | 304.10          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,845.86             | 9,775.14              | 70.71                   | 139.236           |                    |         |
| 17,600.00                    | 7,070.89            | 6,804.00            | 6,620.95            | 306.94          | 32.04       | 32.71                 | 710.72                            | 481.44     | 9,945.72             | 9,874.92              | 70.80                   | 140.472           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 229-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                         | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 137.75                | -557.74                           | 506.70     | 753.62               |                       |                         |                   |                    |         |
| 100.00                       | 100.00              | 98.35               | 98.35               | 3.28            | 3.29        | 137.70                | -556.87                           | 506.76     | 752.99               | 746.42                | 6.57                    | 114.567           |                    |         |
| 200.00                       | 200.00              | 208.78              | 208.73              | 3.34            | 3.31        | 137.53                | -553.81                           | 506.94     | 751.05               | 744.40                | 6.65                    | 112.896           |                    |         |
| 300.00                       | 300.00              | 302.74              | 302.62              | 3.44            | 3.39        | 137.33                | -550.36                           | 507.32     | 748.63               | 741.80                | 6.83                    | 109.625           |                    |         |
| 400.00                       | 399.98              | 388.60              | 388.47              | 3.60            | 3.49        | 64.86                 | -548.81                           | 507.79     | 746.95               | 739.86                | 7.09                    | 105.323           |                    |         |
| 500.00                       | 499.84              | 475.38              | 475.24              | 3.80            | 3.63        | 65.23                 | -549.76                           | 508.03     | 745.73               | 738.30                | 7.43                    | 100.314           |                    |         |
| 600.00                       | 599.45              | 574.80              | 574.64              | 4.04            | 3.83        | 65.89                 | -551.54                           | 509.24     | 744.26               | 736.39                | 7.87                    | 94.565            |                    |         |
| 700.00                       | 698.70              | 672.90              | 672.69              | 4.32            | 4.07        | 66.61                 | -551.31                           | 512.19     | 741.14               | 732.76                | 8.38                    | 88.457            |                    |         |
| 800.00                       | 797.47              | 768.75              | 768.33              | 4.63            | 4.33        | 67.31                 | -549.23                           | 517.93     | 737.23               | 728.29                | 8.94                    | 82.419            |                    |         |
| 900.00                       | 895.62              | 863.53              | 862.63              | 4.97            | 4.61        | 67.98                 | -545.25                           | 526.69     | 732.62               | 723.05                | 9.57                    | 76.592            |                    |         |
| 924.00                       | 919.08              | 886.36              | 885.29              | 5.06            | 4.69        | 68.15                 | -544.07                           | 529.20     | 731.43               | 721.71                | 9.72                    | 75.233            |                    |         |
| 1,000.00                     | 993.28              | 960.01              | 958.40              | 5.34            | 4.92        | 68.66                 | -540.54                           | 537.23     | 727.73               | 717.49                | 10.24                   | 71.068            |                    |         |
| 1,100.00                     | 1,090.92            | 1,058.51            | 1,056.34            | 5.73            | 5.26        | 69.44                 | -536.81                           | 547.08     | 723.19               | 712.23                | 10.96                   | 65.981            |                    |         |
| 1,200.00                     | 1,188.56            | 1,172.26            | 1,169.68            | 6.15            | 5.66        | 70.56                 | -533.19                           | 555.95     | 717.94               | 706.18                | 11.76                   | 61.031            |                    |         |
| 1,300.00                     | 1,286.19            | 1,276.92            | 1,274.20            | 6.57            | 6.04        | 71.85                 | -530.72                           | 560.80     | 711.73               | 699.17                | 12.56                   | 56.661            |                    |         |
| 1,400.00                     | 1,383.83            | 1,387.15            | 1,384.40            | 7.01            | 6.44        | 73.57                 | -528.83                           | 561.45     | 704.06               | 690.67                | 13.39                   | 52.580            |                    |         |
| 1,500.00                     | 1,481.47            | 1,483.14            | 1,480.35            | 7.46            | 6.78        | 75.36                 | -528.58                           | 559.01     | 696.49               | 682.31                | 14.18                   | 49.105            |                    |         |
| 1,600.00                     | 1,579.10            | 1,575.97            | 1,573.13            | 7.91            | 7.12        | 77.21                 | -529.24                           | 556.01     | 690.14               | 675.16                | 14.98                   | 46.071            |                    |         |
| 1,700.00                     | 1,676.74            | 1,670.56            | 1,667.71            | 8.37            | 7.47        | 79.00                 | -529.62                           | 554.53     | 685.13               | 669.34                | 15.80                   | 43.373            |                    |         |
| 1,800.00                     | 1,774.38            | 1,770.57            | 1,767.72            | 8.84            | 7.85        | 80.82                 | -529.49                           | 553.95     | 680.87               | 664.22                | 16.65                   | 40.897            |                    |         |
| 1,900.00                     | 1,872.02            | 1,878.85            | 1,875.99            | 9.31            | 8.27        | 82.76                 | -528.27                           | 553.63     | 676.55               | 659.01                | 17.54                   | 38.567            |                    |         |
| 2,000.00                     | 1,969.65            | 1,992.63            | 1,989.69            | 9.79            | 8.72        | 84.76                 | -524.13                           | 552.90     | 670.47               | 652.00                | 18.46                   | 36.314            |                    |         |
| 2,100.00                     | 2,067.29            | 2,113.23            | 2,110.02            | 10.27           | 9.21        | 86.80                 | -516.34                           | 552.21     | 662.54               | 643.14                | 19.40                   | 34.151            |                    |         |
| 2,200.00                     | 2,164.93            | 2,231.00            | 2,227.20            | 10.75           | 9.69        | 88.77                 | -504.63                           | 551.19     | 651.87               | 631.54                | 20.32                   | 32.077            |                    |         |
| 2,300.00                     | 2,262.56            | 2,348.70            | 2,343.78            | 11.24           | 10.17       | 90.63                 | -488.48                           | 550.71     | 638.31               | 617.08                | 21.23                   | 30.066            |                    |         |
| 2,400.00                     | 2,360.20            | 2,459.98            | 2,453.59            | 11.73           | 10.64       | 92.40                 | -470.46                           | 550.37     | 623.00               | 600.88                | 22.12                   | 28.159            |                    |         |
| 2,500.00                     | 2,457.84            | 2,577.39            | 2,568.87            | 12.22           | 11.12       | 94.33                 | -448.23                           | 549.54     | 605.46               | 582.46                | 23.00                   | 26.324            |                    |         |
| 2,600.00                     | 2,555.48            | 2,722.87            | 2,709.67            | 12.71           | 11.74       | 96.54                 | -411.87                           | 550.21     | 582.91               | 559.18                | 23.73                   | 24.567            |                    |         |
| 2,700.00                     | 2,653.11            | 2,878.65            | 2,855.53            | 13.20           | 12.44       | 98.66                 | -357.50                           | 552.69     | 551.15               | 527.01                | 24.14                   | 22.834            |                    |         |
| 2,800.00                     | 2,750.75            | 2,982.79            | 2,950.25            | 13.70           | 12.93       | 100.24                | -314.23                           | 553.57     | 513.01               | 488.14                | 24.86                   | 20.632            |                    |         |
| 2,900.00                     | 2,848.39            | 3,065.05            | 3,025.33            | 14.19           | 13.32       | 101.88                | -280.63                           | 552.76     | 475.66               | 449.79                | 25.87                   | 18.388            |                    |         |
| 3,000.00                     | 2,946.02            | 3,148.46            | 3,102.18            | 14.69           | 13.73       | 103.93                | -248.25                           | 551.21     | 440.70               | 413.81                | 26.89                   | 16.388            |                    |         |
| 3,100.00                     | 3,043.66            | 3,244.70            | 3,191.00            | 15.19           | 14.20       | 106.73                | -211.26                           | 549.04     | 406.83               | 379.08                | 27.75                   | 14.658            |                    |         |
| 3,200.00                     | 3,141.30            | 3,323.45            | 3,264.14            | 15.69           | 14.59       | 109.40                | -182.13                           | 547.27     | 375.33               | 346.40                | 28.92                   | 12.977            |                    |         |
| 3,300.00                     | 3,238.94            | 3,409.36            | 3,344.73            | 16.19           | 15.02       | 112.70                | -152.41                           | 545.49     | 347.50               | 317.49                | 30.00                   | 11.582            |                    |         |
| 3,400.00                     | 3,336.57            | 3,496.16            | 3,426.76            | 16.69           | 15.46       | 116.46                | -124.08                           | 543.92     | 323.15               | 292.06                | 31.09                   | 10.395            |                    |         |
| 3,500.00                     | 3,434.21            | 3,587.37            | 3,513.56            | 17.19           | 15.91       | 120.56                | -96.09                            | 544.07     | 302.27               | 270.16                | 32.11                   | 9.413             |                    |         |
| 3,600.00                     | 3,531.85            | 3,690.72            | 3,611.86            | 17.69           | 16.43       | 125.13                | -64.44                            | 547.82     | 282.60               | 249.65                | 32.95                   | 8.578             |                    |         |
| 3,700.00                     | 3,629.48            | 3,793.45            | 3,708.43            | 18.20           | 16.95       | 130.65                | -29.61                            | 551.31     | 261.61               | 227.85                | 33.76                   | 7.748             |                    |         |
| 3,800.00                     | 3,727.12            | 3,895.73            | 3,802.94            | 18.70           | 17.49       | 138.13                | 9.46                              | 551.79     | 240.39               | 205.80                | 34.59                   | 6.950             |                    |         |
| 3,900.00                     | 3,824.76            | 3,991.63            | 3,889.64            | 19.21           | 18.02       | 147.53                | 50.33                             | 549.27     | 221.38               | 185.73                | 35.65                   | 6.211             |                    |         |
| 4,000.00                     | 3,922.40            | 4,085.16            | 3,972.07            | 19.71           | 18.54       | 159.10                | 94.25                             | 544.56     | 207.98               | 171.14                | 36.84                   | 5.646             |                    |         |
| 4,082.53                     | 4,002.97            | 4,158.27            | 4,035.31            | 20.13           | 18.97       | 169.33                | 130.67                            | 540.15     | 204.07               | 166.21                | 37.86                   | 5.390 CC          |                    |         |
| 4,100.00                     | 4,020.03            | 4,173.57            | 4,048.45            | 20.21           | 19.06       | 171.53                | 138.46                            | 539.20     | 204.25               | 166.19                | 38.06                   | 5.367 ES, SF      |                    |         |
| 4,200.00                     | 4,117.67            | 4,261.53            | 4,124.43            | 20.72           | 19.58       | -176.36               | 182.51                            | 534.44     | 212.21               | 173.19                | 39.01                   | 5.439             |                    |         |
| 4,300.00                     | 4,215.31            | 4,346.80            | 4,199.74            | 21.23           | 20.09       | -166.48               | 222.26                            | 530.27     | 230.78               | 191.09                | 39.68                   | 5.815             |                    |         |
| 4,400.00                     | 4,312.94            | 4,440.00            | 4,284.32            | 21.73           | 20.62       | -158.37               | 261.13                            | 525.94     | 256.05               | 215.56                | 40.49                   | 6.323             |                    |         |
| 4,500.00                     | 4,410.58            | 4,536.90            | 4,374.20            | 22.24           | 21.16       | -152.38               | 297.15                            | 522.53     | 283.68               | 242.23                | 41.45                   | 6.844             |                    |         |
| 4,600.00                     | 4,508.22            | 4,629.74            | 4,461.86            | 22.75           | 21.66       | -148.43               | 327.57                            | 519.33     | 312.47               | 270.16                | 42.31                   | 7.386             |                    |         |
| 4,700.00                     | 4,605.86            | 4,732.00            | 4,559.24            | 23.25           | 22.20       | -145.25               | 358.57                            | 516.06     | 341.52               | 298.09                | 43.43                   | 7.864             |                    |         |
| 4,800.00                     | 4,703.49            | 4,825.28            | 4,648.48            | 23.76           | 22.69       | -142.96               | 385.65                            | 513.85     | 370.11               | 325.80                | 44.31                   | 8.352             |                    |         |
| 4,900.00                     | 4,801.13            | 4,921.64            | 4,740.72            | 24.27           | 23.19       | -140.98               | 413.40                            | 511.43     | 399.23               | 353.95                | 45.28                   | 8.817             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 229-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                     | 4,898.77            | 5,018.38            | 4,833.34            | 24.77           | 23.70       | -139.23               | 441.29                            | 509.44     | 428.34               | 382.08                | 46.26                   | 9.260             |                    |         |
| 5,100.00                     | 4,996.40            | 5,121.45            | 4,931.88            | 25.28           | 24.24       | -137.47               | 471.48                            | 508.81     | 456.70               | 409.33                | 47.37                   | 9.642             |                    |         |
| 5,200.00                     | 5,094.04            | 5,209.12            | 5,014.71            | 25.79           | 24.71       | -135.73               | 500.17                            | 509.69     | 485.46               | 437.29                | 48.16                   | 10.079            |                    |         |
| 5,300.00                     | 5,191.68            | 5,296.46            | 5,096.13            | 26.30           | 25.19       | -133.82               | 531.75                            | 510.96     | 515.90               | 466.94                | 48.96                   | 10.537            |                    |         |
| 5,400.00                     | 5,289.32            | 5,388.96            | 5,181.83            | 26.81           | 25.72       | -131.87               | 566.54                            | 512.32     | 547.60               | 497.72                | 49.88                   | 10.978            |                    |         |
| 5,500.00                     | 5,386.95            | 5,492.74            | 5,278.65            | 27.32           | 26.30       | -130.10               | 603.86                            | 513.72     | 579.07               | 528.03                | 51.05                   | 11.344            |                    |         |
| 5,600.00                     | 5,484.59            | 5,586.72            | 5,366.95            | 27.83           | 26.81       | -128.83               | 635.98                            | 514.71     | 610.17               | 558.18                | 52.00                   | 11.735            |                    |         |
| 5,700.00                     | 5,582.23            | 5,691.66            | 5,465.94            | 28.33           | 27.38       | -127.60               | 670.78                            | 516.67     | 640.29               | 587.13                | 53.16                   | 12.045            |                    |         |
| 5,800.00                     | 5,679.87            | 5,778.42            | 5,547.92            | 28.84           | 27.86       | -126.72               | 699.13                            | 518.02     | 670.62               | 616.65                | 53.97                   | 12.426            |                    |         |
| 5,900.00                     | 5,777.50            | 5,857.66            | 5,622.34            | 29.35           | 28.30       | -125.91               | 726.34                            | 518.53     | 702.77               | 648.14                | 54.63                   | 12.864            |                    |         |
| 6,000.00                     | 5,875.14            | 5,946.67            | 5,705.54            | 29.86           | 28.79       | -125.04               | 757.96                            | 518.32     | 736.44               | 680.94                | 55.50                   | 13.270            |                    |         |
| 6,100.00                     | 5,972.78            | 6,033.05            | 5,786.21            | 30.37           | 29.28       | -124.28               | 788.85                            | 517.52     | 770.92               | 714.61                | 56.31                   | 13.690            |                    |         |
| 6,200.00                     | 6,070.41            | 6,120.23            | 5,867.38            | 30.88           | 29.78       | -123.56               | 820.62                            | 516.24     | 806.35               | 749.21                | 57.15                   | 14.110            |                    |         |
| 6,300.00                     | 6,168.05            | 6,224.81            | 5,965.16            | 31.39           | 30.37       | -122.86               | 857.65                            | 513.94     | 841.82               | 783.48                | 58.34                   | 14.428            |                    |         |
| 6,400.00                     | 6,265.69            | 6,307.20            | 6,042.65            | 31.90           | 30.83       | -122.46               | 885.52                            | 511.58     | 876.87               | 817.79                | 59.08                   | 14.841            |                    |         |
| 6,439.09                     | 6,303.85            | 6,337.98            | 6,071.58            | 32.10           | 31.00       | -122.33               | 895.94                            | 510.23     | 891.01               | 831.67                | 59.34                   | 15.014            |                    |         |
| 6,450.00                     | 6,314.53            | 6,346.96            | 6,080.01            | 32.16           | 31.05       | -121.06               | 899.00                            | 509.82     | 894.93               | 835.50                | 59.42                   | 15.060            |                    |         |
| 6,500.00                     | 6,363.83            | 6,388.35            | 6,118.75            | 32.39           | 31.29       | -110.35               | 913.49                            | 508.02     | 911.33               | 851.55                | 59.78                   | 15.246            |                    |         |
| 6,550.00                     | 6,413.58            | 6,429.94            | 6,157.46            | 32.60           | 31.52       | -78.13                | 928.60                            | 506.37     | 925.16               | 865.06                | 60.10                   | 15.393            |                    |         |
| 6,600.00                     | 6,463.45            | 6,474.67            | 6,198.90            | 32.79           | 31.78       | -17.30                | 945.36                            | 504.78     | 936.35               | 875.87                | 60.47                   | 15.483            |                    |         |
| 6,650.00                     | 6,513.15            | 6,519.33            | 6,240.13            | 32.97           | 32.04       | 10.50                 | 962.48                            | 503.38     | 944.82               | 883.99                | 60.83                   | 15.533            |                    |         |
| 6,700.00                     | 6,562.37            | 6,585.78            | 6,301.59            | 33.15           | 32.43       | 21.52                 | 987.68                            | 501.71     | 950.17               | 888.54                | 61.64                   | 15.416            |                    |         |
| 6,750.00                     | 6,610.80            | 6,655.64            | 6,366.86            | 33.34           | 32.82       | 27.78                 | 1,012.55                          | 500.60     | 951.69               | 889.20                | 62.49                   | 15.230            |                    |         |
| 6,800.00                     | 6,658.14            | 6,730.13            | 6,436.95            | 33.53           | 33.24       | 32.54                 | 1,037.75                          | 500.73     | 949.51               | 886.11                | 63.40                   | 14.977            |                    |         |
| 6,850.00                     | 6,704.11            | 7,108.12            | 6,772.18            | 33.74           | 35.01       | 50.52                 | 1,157.03                          | 608.39     | 932.67               | 867.04                | 65.63                   | 14.210            |                    |         |
| 6,900.00                     | 6,748.42            | 7,148.91            | 6,804.86            | 33.97           | 35.16       | 55.71                 | 1,168.71                          | 629.82     | 913.70               | 847.63                | 66.07                   | 13.830            |                    |         |
| 6,950.00                     | 6,790.79            | 7,181.80            | 6,830.85            | 34.21           | 35.28       | 60.34                 | 1,177.95                          | 647.74     | 894.56               | 828.01                | 66.55                   | 13.442            |                    |         |
| 7,000.00                     | 6,830.97            | 7,211.42            | 6,853.87            | 34.48           | 35.39       | 64.67                 | 1,186.12                          | 664.47     | 875.76               | 808.70                | 67.07                   | 13.058            |                    |         |
| 7,050.00                     | 6,868.71            | 7,230.33            | 6,868.36            | 34.77           | 35.46       | 68.14                 | 1,191.24                          | 675.49     | 857.87               | 790.25                | 67.62                   | 12.687            |                    |         |
| 7,100.00                     | 6,903.77            | 7,240.53            | 6,876.10            | 35.09           | 35.49       | 70.80                 | 1,193.98                          | 681.55     | 841.36               | 773.17                | 68.19                   | 12.339            |                    |         |
| 7,150.00                     | 6,935.93            | 7,243.66            | 6,878.46            | 35.44           | 35.50       | 72.71                 | 1,194.82                          | 683.42     | 826.58               | 757.84                | 68.75                   | 12.024            |                    |         |
| 7,200.00                     | 6,965.01            | 7,240.99            | 6,876.45            | 35.83           | 35.49       | 73.94                 | 1,194.11                          | 681.83     | 813.78               | 744.51                | 69.27                   | 11.748            |                    |         |
| 7,250.00                     | 6,990.82            | 7,233.57            | 6,870.83            | 36.26           | 35.47       | 74.59                 | 1,192.12                          | 677.41     | 803.08               | 733.35                | 69.74                   | 11.516            |                    |         |
| 7,300.00                     | 7,013.20            | 7,222.23            | 6,862.17            | 36.72           | 35.43       | 74.70                 | 1,189.06                          | 670.74     | 794.56               | 724.41                | 70.15                   | 11.327            |                    |         |
| 7,350.00                     | 7,032.02            | 7,207.60            | 6,850.93            | 37.23           | 35.38       | 74.37                 | 1,185.07                          | 662.28     | 788.18               | 717.69                | 70.49                   | 11.182            |                    |         |
| 7,400.00                     | 7,047.15            | 7,190.24            | 6,837.45            | 37.77           | 35.31       | 73.64                 | 1,180.30                          | 652.44     | 783.87               | 713.11                | 70.77                   | 11.077            |                    |         |
| 7,450.00                     | 7,058.51            | 7,170.62            | 6,822.05            | 38.34           | 35.24       | 72.57                 | 1,174.83                          | 641.58     | 781.51               | 710.52                | 70.99                   | 11.009            |                    |         |
| 7,493.44                     | 7,065.26            | 7,151.74            | 6,807.10            | 38.87           | 35.17       | 71.41                 | 1,169.51                          | 631.34     | 780.89               | 709.74                | 71.15                   | 10.975            |                    |         |
| 7,500.00                     | 7,066.02            | 7,148.73            | 6,804.72            | 38.95           | 35.16       | 71.21                 | 1,168.66                          | 629.73     | 780.90               | 709.73                | 71.17                   | 10.972            |                    |         |
| 7,550.00                     | 7,069.64            | 7,124.63            | 6,785.46            | 39.58           | 35.07       | 69.59                 | 1,161.78                          | 616.96     | 781.83               | 710.53                | 71.30                   | 10.965            |                    |         |
| 7,571.20                     | 7,070.00            | 7,113.80            | 6,776.75            | 39.85           | 35.03       | 68.84                 | 1,158.67                          | 611.32     | 782.63               | 711.28                | 71.35                   | 10.969            |                    |         |
| 7,600.00                     | 7,070.00            | 7,099.08            | 6,764.86            | 40.23           | 34.97       | 67.92                 | 1,154.41                          | 603.76     | 784.24               | 712.83                | 71.41                   | 10.983            |                    |         |
| 7,700.00                     | 7,070.01            | 7,048.80            | 6,723.78            | 41.64           | 34.78       | 64.73                 | 1,139.55                          | 578.88     | 795.87               | 724.34                | 71.53                   | 11.126            |                    |         |
| 7,800.00                     | 7,070.02            | 7,003.65            | 6,686.27            | 43.20           | 34.59       | 61.84                 | 1,125.65                          | 557.96     | 816.82               | 745.18                | 71.64                   | 11.402            |                    |         |
| 7,900.00                     | 7,070.03            | 6,973.73            | 6,661.01            | 44.89           | 34.46       | 59.90                 | 1,116.16                          | 545.03     | 847.04               | 775.01                | 72.03                   | 11.759            |                    |         |
| 8,000.00                     | 7,070.04            | 6,951.96            | 6,642.22            | 46.69           | 34.36       | 58.49                 | 1,109.17                          | 536.55     | 886.42               | 813.90                | 72.53                   | 12.222            |                    |         |
| 8,100.00                     | 7,070.05            | 6,933.90            | 6,626.39            | 48.60           | 34.28       | 57.30                 | 1,103.32                          | 530.14     | 934.10               | 861.12                | 72.98                   | 12.799            |                    |         |
| 8,200.00                     | 7,070.05            | 6,899.00            | 6,595.21            | 50.59           | 34.12       | 55.00                 | 1,091.91                          | 519.40     | 989.48               | 916.64                | 72.85                   | 13.583            |                    |         |
| 8,300.00                     | 7,070.06            | 6,899.00            | 6,595.21            | 52.66           | 34.12       | 55.00                 | 1,091.91                          | 519.40     | 1,050.29             | 976.78                | 73.52                   | 14.287            |                    |         |
| 8,400.00                     | 7,070.07            | 6,899.00            | 6,595.21            | 54.81           | 34.12       | 55.00                 | 1,091.91                          | 519.40     | 1,116.76             | 1,042.74              | 74.02                   | 15.088            |                    |         |
| 8,500.00                     | 7,070.08            | 6,899.00            | 6,595.21            | 57.02           | 34.12       | 55.00                 | 1,091.91                          | 519.40     | 1,187.93             | 1,113.55              | 74.38                   | 15.971            |                    |         |
| 8,600.00                     | 7,070.09            | 6,899.00            | 6,595.21            | 59.28           | 34.12       | 55.00                 | 1,091.91                          | 519.40     | 1,263.02             | 1,188.38              | 74.64                   | 16.922            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 229-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                     | 7,070.10            | 6,899.00            | 6,595.21            | 61.60           | 34.12       | 55.00                 | 1,091.91                          | 519.40     | 1,341.36             | 1,266.55              | 74.81                   | 17.931            |                    |         |
| 8,800.00                     | 7,070.11            | 6,899.00            | 6,595.21            | 63.95           | 34.12       | 55.00                 | 1,091.91                          | 519.40     | 1,422.42             | 1,347.50              | 74.92                   | 18.986            |                    |         |
| 8,900.00                     | 7,070.12            | 6,864.01            | 6,563.19            | 66.35           | 33.94       | 52.71                 | 1,080.50                          | 511.11     | 1,504.02             | 1,429.55              | 74.47                   | 20.196            |                    |         |
| 9,000.00                     | 7,070.13            | 6,859.65            | 6,559.16            | 68.79           | 33.92       | 52.43                 | 1,079.09                          | 510.28     | 1,588.83             | 1,514.35              | 74.48                   | 21.333            |                    |         |
| 9,100.00                     | 7,070.13            | 6,855.72            | 6,555.50            | 71.25           | 33.90       | 52.17                 | 1,077.82                          | 509.56     | 1,675.27             | 1,600.80              | 74.46                   | 22.497            |                    |         |
| 9,200.00                     | 7,070.14            | 6,852.15            | 6,552.18            | 73.74           | 33.88       | 51.94                 | 1,076.68                          | 508.94     | 1,763.10             | 1,688.66              | 74.44                   | 23.684            |                    |         |
| 9,300.00                     | 7,070.15            | 6,848.90            | 6,549.15            | 76.26           | 33.87       | 51.73                 | 1,075.63                          | 508.41     | 1,852.14             | 1,777.73              | 74.41                   | 24.891            |                    |         |
| 9,400.00                     | 7,070.16            | 6,845.93            | 6,546.37            | 78.80           | 33.85       | 51.53                 | 1,074.68                          | 507.94     | 1,942.21             | 1,867.84              | 74.37                   | 26.114            |                    |         |
| 9,500.00                     | 7,070.17            | 6,843.20            | 6,543.82            | 81.37           | 33.84       | 51.36                 | 1,073.80                          | 507.52     | 2,033.20             | 1,958.87              | 74.33                   | 27.353            |                    |         |
| 9,600.00                     | 7,070.18            | 6,805.00            | 6,507.81            | 83.95           | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,126.74             | 2,052.85              | 73.89                   | 28.781            |                    |         |
| 9,700.00                     | 7,070.19            | 6,805.00            | 6,507.81            | 86.55           | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,218.99             | 2,145.09              | 73.89                   | 30.030            |                    |         |
| 9,800.00                     | 7,070.20            | 6,805.00            | 6,507.81            | 89.17           | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,311.87             | 2,237.99              | 73.88                   | 31.290            |                    |         |
| 9,900.00                     | 7,070.21            | 6,805.00            | 6,507.81            | 91.80           | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,405.33             | 2,331.46              | 73.87                   | 32.560            |                    |         |
| 10,000.00                    | 7,070.21            | 6,805.00            | 6,507.81            | 94.44           | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,499.30             | 2,425.44              | 73.86                   | 33.838            |                    |         |
| 10,100.00                    | 7,070.22            | 6,805.00            | 6,507.81            | 97.10           | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,593.72             | 2,519.87              | 73.85                   | 35.123            |                    |         |
| 10,200.00                    | 7,070.23            | 6,805.00            | 6,507.81            | 99.77           | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,688.54             | 2,614.71              | 73.83                   | 36.415            |                    |         |
| 10,300.00                    | 7,070.24            | 6,805.00            | 6,507.81            | 102.44          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,783.72             | 2,709.90              | 73.82                   | 37.712            |                    |         |
| 10,400.00                    | 7,070.25            | 6,805.00            | 6,507.81            | 105.13          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,879.23             | 2,805.43              | 73.80                   | 39.014            |                    |         |
| 10,500.00                    | 7,070.26            | 6,805.00            | 6,507.81            | 107.83          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 2,975.03             | 2,901.25              | 73.79                   | 40.320            |                    |         |
| 10,600.00                    | 7,070.27            | 6,805.00            | 6,507.81            | 110.53          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,071.11             | 2,997.33              | 73.77                   | 41.629            |                    |         |
| 10,700.00                    | 7,070.28            | 6,805.00            | 6,507.81            | 113.24          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,167.42             | 3,093.66              | 73.76                   | 42.942            |                    |         |
| 10,800.00                    | 7,070.28            | 6,805.00            | 6,507.81            | 115.96          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,263.96             | 3,190.21              | 73.75                   | 44.257            |                    |         |
| 10,900.00                    | 7,070.29            | 6,805.00            | 6,507.81            | 118.69          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,360.70             | 3,286.96              | 73.74                   | 45.574            |                    |         |
| 11,000.00                    | 7,070.30            | 6,805.00            | 6,507.81            | 121.42          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,457.62             | 3,383.89              | 73.73                   | 46.894            |                    |         |
| 11,100.00                    | 7,070.31            | 6,805.00            | 6,507.81            | 124.16          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,554.72             | 3,480.99              | 73.73                   | 48.214            |                    |         |
| 11,200.00                    | 7,070.32            | 6,805.00            | 6,507.81            | 126.90          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,651.97             | 3,578.25              | 73.72                   | 49.536            |                    |         |
| 11,300.00                    | 7,070.33            | 6,805.00            | 6,507.81            | 129.65          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,749.37             | 3,675.65              | 73.72                   | 50.859            |                    |         |
| 11,400.00                    | 7,070.34            | 6,805.00            | 6,507.81            | 132.40          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,846.90             | 3,773.18              | 73.72                   | 52.182            |                    |         |
| 11,500.00                    | 7,070.35            | 6,805.00            | 6,507.81            | 135.16          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 3,944.55             | 3,870.83              | 73.72                   | 53.506            |                    |         |
| 11,600.00                    | 7,070.36            | 6,805.00            | 6,507.81            | 137.92          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,042.32             | 3,968.60              | 73.72                   | 54.830            |                    |         |
| 11,700.00                    | 7,070.36            | 6,805.00            | 6,507.81            | 140.69          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,140.20             | 4,066.47              | 73.73                   | 56.154            |                    |         |
| 11,800.00                    | 7,070.37            | 6,805.00            | 6,507.81            | 143.46          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,238.17             | 4,164.43              | 73.74                   | 57.478            |                    |         |
| 11,900.00                    | 7,070.38            | 6,805.00            | 6,507.81            | 146.23          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,336.24             | 4,262.49              | 73.74                   | 58.802            |                    |         |
| 12,000.00                    | 7,070.39            | 6,805.00            | 6,507.81            | 149.01          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,434.39             | 4,360.64              | 73.75                   | 60.125            |                    |         |
| 12,100.00                    | 7,070.40            | 6,805.00            | 6,507.81            | 151.79          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,532.62             | 4,458.86              | 73.76                   | 61.447            |                    |         |
| 12,200.00                    | 7,070.41            | 6,805.00            | 6,507.81            | 154.57          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,630.93             | 4,557.16              | 73.78                   | 62.769            |                    |         |
| 12,300.00                    | 7,070.42            | 6,805.00            | 6,507.81            | 157.35          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,729.31             | 4,655.52              | 73.79                   | 64.089            |                    |         |
| 12,400.00                    | 7,070.43            | 6,805.00            | 6,507.81            | 160.14          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,827.76             | 4,753.95              | 73.81                   | 65.409            |                    |         |
| 12,500.00                    | 7,070.44            | 6,805.00            | 6,507.81            | 162.93          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 4,926.27             | 4,852.44              | 73.83                   | 66.727            |                    |         |
| 12,600.00                    | 7,070.44            | 6,805.00            | 6,507.81            | 165.72          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,024.84             | 4,950.99              | 73.85                   | 68.044            |                    |         |
| 12,700.00                    | 7,070.45            | 6,805.00            | 6,507.81            | 168.52          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,123.46             | 5,049.60              | 73.87                   | 69.360            |                    |         |
| 12,800.00                    | 7,070.46            | 6,805.00            | 6,507.81            | 171.32          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,222.14             | 5,148.25              | 73.89                   | 70.674            |                    |         |
| 12,900.00                    | 7,070.47            | 6,805.00            | 6,507.81            | 174.11          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,320.87             | 5,246.95              | 73.92                   | 71.986            |                    |         |
| 13,000.00                    | 7,070.48            | 6,805.00            | 6,507.81            | 176.92          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,419.64             | 5,345.70              | 73.94                   | 73.297            |                    |         |
| 13,100.00                    | 7,070.49            | 6,805.00            | 6,507.81            | 179.72          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,518.45             | 5,444.49              | 73.97                   | 74.606            |                    |         |
| 13,200.00                    | 7,070.50            | 6,805.00            | 6,507.81            | 182.52          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,617.31             | 5,543.32              | 74.00                   | 75.913            |                    |         |
| 13,300.00                    | 7,070.51            | 6,805.00            | 6,507.81            | 185.33          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,716.21             | 5,642.18              | 74.03                   | 77.218            |                    |         |
| 13,400.00                    | 7,070.52            | 6,805.00            | 6,507.81            | 188.14          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,815.15             | 5,741.09              | 74.06                   | 78.522            |                    |         |
| 13,500.00                    | 7,070.52            | 6,805.00            | 6,507.81            | 190.95          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 5,914.12             | 5,840.03              | 74.09                   | 79.823            |                    |         |
| 13,600.00                    | 7,070.53            | 6,805.00            | 6,507.81            | 193.76          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,013.12             | 5,939.00              | 74.12                   | 81.122            |                    |         |
| 13,700.00                    | 7,070.54            | 6,805.00            | 6,507.81            | 196.57          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,112.16             | 6,038.00              | 74.16                   | 82.418            |                    |         |
| 13,800.00                    | 7,070.55            | 6,805.00            | 6,507.81            | 199.38          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,211.23             | 6,137.04              | 74.20                   | 83.713            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 229-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                    |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                    | 7,070.56            | 6,805.00            | 6,507.81            | 202.20          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,310.33             | 6,236.10              | 74.23                   | 85.005            |                    |         |
| 14,000.00                    | 7,070.57            | 6,805.00            | 6,507.81            | 205.01          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,409.46             | 6,335.18              | 74.27                   | 86.294            |                    |         |
| 14,100.00                    | 7,070.58            | 6,805.00            | 6,507.81            | 207.83          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,508.61             | 6,434.29              | 74.31                   | 87.582            |                    |         |
| 14,200.00                    | 7,070.59            | 6,805.00            | 6,507.81            | 210.65          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,607.79             | 6,533.43              | 74.36                   | 88.866            |                    |         |
| 14,300.00                    | 7,070.60            | 6,805.00            | 6,507.81            | 213.47          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,706.99             | 6,632.59              | 74.40                   | 90.148            |                    |         |
| 14,400.00                    | 7,070.60            | 6,805.00            | 6,507.81            | 216.29          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,806.22             | 6,731.77              | 74.44                   | 91.428            |                    |         |
| 14,500.00                    | 7,070.61            | 6,805.00            | 6,507.81            | 219.11          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 6,905.47             | 6,830.98              | 74.49                   | 92.704            |                    |         |
| 14,600.00                    | 7,070.62            | 6,805.00            | 6,507.81            | 221.94          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,004.74             | 6,930.20              | 74.54                   | 93.978            |                    |         |
| 14,700.00                    | 7,070.63            | 6,805.00            | 6,507.81            | 224.76          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,104.03             | 7,029.44              | 74.58                   | 95.249            |                    |         |
| 14,800.00                    | 7,070.64            | 6,805.00            | 6,507.81            | 227.58          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,203.34             | 7,128.70              | 74.63                   | 96.518            |                    |         |
| 14,900.00                    | 7,070.65            | 6,805.00            | 6,507.81            | 230.41          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,302.67             | 7,227.98              | 74.68                   | 97.783            |                    |         |
| 15,000.00                    | 7,070.66            | 6,805.00            | 6,507.81            | 233.24          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,402.01             | 7,327.28              | 74.73                   | 99.046            |                    |         |
| 15,100.00                    | 7,070.67            | 6,805.00            | 6,507.81            | 236.06          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,501.38             | 7,426.59              | 74.79                   | 100.305           |                    |         |
| 15,200.00                    | 7,070.68            | 6,805.00            | 6,507.81            | 238.89          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,600.76             | 7,525.92              | 74.84                   | 101.562           |                    |         |
| 15,300.00                    | 7,070.68            | 6,805.00            | 6,507.81            | 241.72          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,700.16             | 7,625.26              | 74.89                   | 102.815           |                    |         |
| 15,400.00                    | 7,070.69            | 6,805.00            | 6,507.81            | 244.55          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,799.57             | 7,724.62              | 74.95                   | 104.066           |                    |         |
| 15,500.00                    | 7,070.70            | 6,805.00            | 6,507.81            | 247.38          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,899.00             | 7,823.99              | 75.00                   | 105.313           |                    |         |
| 15,600.00                    | 7,070.71            | 6,805.00            | 6,507.81            | 250.21          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 7,998.44             | 7,923.37              | 75.06                   | 106.557           |                    |         |
| 15,700.00                    | 7,070.72            | 6,805.00            | 6,507.81            | 253.04          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,097.89             | 8,022.77              | 75.12                   | 107.798           |                    |         |
| 15,800.00                    | 7,070.73            | 6,805.00            | 6,507.81            | 255.87          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,197.36             | 8,122.18              | 75.18                   | 109.036           |                    |         |
| 15,900.00                    | 7,070.74            | 6,805.00            | 6,507.81            | 258.71          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,296.84             | 8,221.60              | 75.24                   | 110.270           |                    |         |
| 16,000.00                    | 7,070.75            | 6,805.00            | 6,507.81            | 261.54          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,396.34             | 8,321.03              | 75.30                   | 111.502           |                    |         |
| 16,100.00                    | 7,070.76            | 6,805.00            | 6,507.81            | 264.37          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,495.84             | 8,420.48              | 75.36                   | 112.729           |                    |         |
| 16,200.00                    | 7,070.76            | 6,805.00            | 6,507.81            | 267.21          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,595.36             | 8,519.93              | 75.43                   | 113.954           |                    |         |
| 16,300.00                    | 7,070.77            | 6,805.00            | 6,507.81            | 270.04          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,694.89             | 8,619.39              | 75.49                   | 115.175           |                    |         |
| 16,400.00                    | 7,070.78            | 6,805.00            | 6,507.81            | 272.88          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,794.43             | 8,718.87              | 75.56                   | 116.393           |                    |         |
| 16,500.00                    | 7,070.79            | 6,805.00            | 6,507.81            | 275.71          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,893.97             | 8,818.35              | 75.62                   | 117.607           |                    |         |
| 16,600.00                    | 7,070.80            | 6,805.00            | 6,507.81            | 278.55          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 8,993.53             | 8,917.84              | 75.69                   | 118.818           |                    |         |
| 16,700.00                    | 7,070.81            | 6,805.00            | 6,507.81            | 281.39          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 9,093.10             | 9,017.34              | 75.76                   | 120.026           |                    |         |
| 16,800.00                    | 7,070.82            | 6,805.00            | 6,507.81            | 284.22          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 9,192.68             | 9,116.85              | 75.83                   | 121.229           |                    |         |
| 16,900.00                    | 7,070.83            | 6,805.00            | 6,507.81            | 287.06          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 9,292.27             | 9,216.37              | 75.90                   | 122.430           |                    |         |
| 17,000.00                    | 7,070.84            | 6,805.00            | 6,507.81            | 289.90          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 9,391.86             | 9,315.89              | 75.97                   | 123.627           |                    |         |
| 17,100.00                    | 7,070.84            | 6,805.00            | 6,507.81            | 292.74          | 33.64       | 48.92                 | 1,061.74                          | 503.55     | 9,491.47             | 9,415.43              | 76.04                   | 124.820           |                    |         |
| 17,200.00                    | 7,070.85            | 6,766.89            | 6,471.70            | 295.58          | 33.44       | 46.56                 | 1,049.70                          | 501.72     | 9,590.61             | 9,514.73              | 75.88                   | 126.394           |                    |         |
| 17,300.00                    | 7,070.86            | 6,766.30            | 6,471.14            | 298.42          | 33.43       | 46.53                 | 1,049.51                          | 501.69     | 9,690.21             | 9,614.26              | 75.95                   | 127.589           |                    |         |
| 17,400.00                    | 7,070.87            | 6,765.72            | 6,470.59            | 301.26          | 33.43       | 46.49                 | 1,049.32                          | 501.67     | 9,789.83             | 9,713.81              | 76.02                   | 128.780           |                    |         |
| 17,500.00                    | 7,070.88            | 6,765.15            | 6,470.05            | 304.10          | 33.43       | 46.46                 | 1,049.14                          | 501.65     | 9,889.45             | 9,813.36              | 76.09                   | 129.968           |                    |         |
| 17,600.00                    | 7,070.89            | 6,764.59            | 6,469.52            | 306.94          | 33.42       | 46.42                 | 1,048.96                          | 501.63     | 9,989.08             | 9,912.91              | 76.16                   | 131.152           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                       | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.39               | -104.92                           | -1.11      | 104.93               |                       |                         |                   |                    |         |
| 100.00                     | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.39               | -104.92                           | -1.11      | 104.93               | 98.36                 | 6.57                    | 15.972            |                    |         |
| 200.00                     | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.39               | -104.92                           | -1.11      | 104.93               | 98.25                 | 6.67                    | 15.721            |                    |         |
| 300.00                     | 300.00              | 300.00              | 300.00              | 3.44            | 3.44        | -179.39               | -104.92                           | -1.11      | 104.93               | 98.04                 | 6.89                    | 15.229 CC, ES     |                    |         |
| 400.00                     | 399.98              | 397.95              | 397.93              | 3.60            | 3.59        | 108.21                | -105.88                           | 0.26       | 106.43               | 99.24                 | 7.20                    | 14.787            |                    |         |
| 500.00                     | 499.84              | 495.77              | 495.61              | 3.80            | 3.78        | 108.50                | -108.76                           | 4.36       | 110.96               | 103.37                | 7.59                    | 14.614            |                    |         |
| 600.00                     | 599.45              | 593.31              | 592.80              | 4.04            | 4.01        | 108.92                | -113.53                           | 11.18      | 118.49               | 110.42                | 8.07                    | 14.687            |                    |         |
| 700.00                     | 698.70              | 690.46              | 689.26              | 4.32            | 4.27        | 109.41                | -120.16                           | 20.65      | 129.03               | 120.41                | 8.61                    | 14.980            |                    |         |
| 800.00                     | 797.47              | 787.09              | 784.75              | 4.63            | 4.56        | 109.91                | -128.61                           | 32.73      | 142.54               | 133.32                | 9.22                    | 15.462            |                    |         |
| 900.00                     | 895.62              | 883.07              | 879.05              | 4.97            | 4.89        | 110.38                | -138.84                           | 47.33      | 159.01               | 149.13                | 9.88                    | 16.094            |                    |         |
| 924.00                     | 919.08              | 906.00              | 901.49              | 5.06            | 4.97        | 110.48                | -141.55                           | 51.19      | 163.40               | 153.35                | 10.05                   | 16.264            |                    |         |
| 1,000.00                   | 993.28              | 978.37              | 972.04              | 5.34            | 5.25        | 110.77                | -150.77                           | 64.37      | 178.05               | 167.46                | 10.59                   | 16.816            |                    |         |
| 1,100.00                   | 1,090.92            | 1,075.60            | 1,066.41            | 5.73            | 5.64        | 110.60                | -164.22                           | 83.58      | 198.29               | 186.95                | 11.34                   | 17.481            |                    |         |
| 1,200.00                   | 1,188.56            | 1,173.52            | 1,161.42            | 6.15            | 6.05        | 110.45                | -177.81                           | 102.98     | 218.58               | 206.44                | 12.14                   | 18.008            |                    |         |
| 1,300.00                   | 1,286.19            | 1,271.44            | 1,256.43            | 6.57            | 6.48        | 110.32                | -191.39                           | 122.39     | 238.86               | 225.90                | 12.96                   | 18.427            |                    |         |
| 1,400.00                   | 1,383.83            | 1,369.36            | 1,351.44            | 7.01            | 6.93        | 110.21                | -204.98                           | 141.79     | 259.15               | 245.34                | 13.81                   | 18.761            |                    |         |
| 1,500.00                   | 1,481.47            | 1,467.28            | 1,446.45            | 7.46            | 7.39        | 110.12                | -218.57                           | 161.20     | 279.44               | 264.75                | 14.68                   | 19.030            |                    |         |
| 1,600.00                   | 1,579.10            | 1,565.20            | 1,541.47            | 7.91            | 7.86        | 110.04                | -232.16                           | 180.60     | 299.73               | 284.15                | 15.57                   | 19.247            |                    |         |
| 1,700.00                   | 1,676.74            | 1,663.12            | 1,636.48            | 8.37            | 8.34        | 109.97                | -245.74                           | 200.01     | 320.01               | 303.54                | 16.48                   | 19.423            |                    |         |
| 1,800.00                   | 1,774.38            | 1,761.04            | 1,731.49            | 8.84            | 8.82        | 109.91                | -259.33                           | 219.41     | 340.30               | 322.91                | 17.39                   | 19.567            |                    |         |
| 1,900.00                   | 1,872.02            | 1,858.96            | 1,826.50            | 9.31            | 9.31        | 109.86                | -272.92                           | 238.81     | 360.59               | 342.28                | 18.32                   | 19.685            |                    |         |
| 2,000.00                   | 1,969.65            | 1,956.88            | 1,921.51            | 9.79            | 9.80        | 109.81                | -286.51                           | 258.22     | 380.88               | 361.63                | 19.25                   | 19.783            |                    |         |
| 2,100.00                   | 2,067.29            | 2,054.80            | 2,016.52            | 10.27           | 10.30       | 109.76                | -300.09                           | 277.62     | 401.17               | 380.98                | 20.20                   | 19.864            |                    |         |
| 2,200.00                   | 2,164.93            | 2,152.72            | 2,111.53            | 10.75           | 10.80       | 109.72                | -313.68                           | 297.03     | 421.46               | 400.32                | 21.15                   | 19.932            |                    |         |
| 2,300.00                   | 2,262.56            | 2,250.64            | 2,206.54            | 11.24           | 11.30       | 109.69                | -327.27                           | 316.43     | 441.75               | 419.65                | 22.10                   | 19.989            |                    |         |
| 2,400.00                   | 2,360.20            | 2,348.55            | 2,301.55            | 11.73           | 11.81       | 109.66                | -340.86                           | 335.84     | 462.05               | 438.99                | 23.06                   | 20.036            |                    |         |
| 2,500.00                   | 2,457.84            | 2,446.47            | 2,396.56            | 12.22           | 12.32       | 109.63                | -354.44                           | 355.24     | 482.34               | 458.31                | 24.03                   | 20.076            |                    |         |
| 2,600.00                   | 2,555.48            | 2,544.39            | 2,491.57            | 12.71           | 12.83       | 109.60                | -368.03                           | 374.65     | 502.63               | 477.63                | 24.99                   | 20.110            |                    |         |
| 2,700.00                   | 2,653.11            | 2,642.31            | 2,586.58            | 13.20           | 13.34       | 109.57                | -381.62                           | 394.05     | 522.92               | 496.95                | 25.97                   | 20.138            |                    |         |
| 2,800.00                   | 2,750.75            | 2,740.23            | 2,681.60            | 13.70           | 13.85       | 109.55                | -395.21                           | 413.46     | 543.21               | 516.27                | 26.94                   | 20.162            |                    |         |
| 2,900.00                   | 2,848.39            | 2,838.15            | 2,776.61            | 14.19           | 14.37       | 109.53                | -408.79                           | 432.86     | 563.50               | 535.58                | 27.92                   | 20.182            |                    |         |
| 3,000.00                   | 2,946.02            | 2,936.07            | 2,871.62            | 14.69           | 14.89       | 109.51                | -422.38                           | 452.27     | 583.79               | 554.89                | 28.90                   | 20.199            |                    |         |
| 3,100.00                   | 3,043.66            | 3,033.99            | 2,966.63            | 15.19           | 15.40       | 109.49                | -435.97                           | 471.67     | 604.08               | 574.20                | 29.88                   | 20.214            |                    |         |
| 3,200.00                   | 3,141.30            | 3,131.91            | 3,061.64            | 15.69           | 15.92       | 109.47                | -449.55                           | 491.08     | 624.38               | 593.51                | 30.87                   | 20.226            |                    |         |
| 3,300.00                   | 3,238.94            | 3,229.83            | 3,156.65            | 16.19           | 16.44       | 109.46                | -463.14                           | 510.48     | 644.67               | 612.81                | 31.86                   | 20.236            |                    |         |
| 3,400.00                   | 3,336.57            | 3,327.75            | 3,251.66            | 16.69           | 16.96       | 109.44                | -476.73                           | 529.89     | 664.96               | 632.11                | 32.85                   | 20.245            |                    |         |
| 3,500.00                   | 3,434.21            | 3,425.67            | 3,346.67            | 17.19           | 17.49       | 109.43                | -490.32                           | 549.29     | 685.25               | 651.42                | 33.84                   | 20.252            |                    |         |
| 3,600.00                   | 3,531.85            | 3,523.59            | 3,441.68            | 17.69           | 18.01       | 109.41                | -503.90                           | 568.70     | 705.54               | 670.71                | 34.83                   | 20.258            |                    |         |
| 3,700.00                   | 3,629.48            | 3,621.51            | 3,536.69            | 18.20           | 18.53       | 109.40                | -517.49                           | 588.10     | 725.83               | 690.01                | 35.82                   | 20.263            |                    |         |
| 3,800.00                   | 3,727.12            | 3,719.43            | 3,631.70            | 18.70           | 19.05       | 109.39                | -531.08                           | 607.51     | 746.13               | 709.31                | 36.81                   | 20.267            |                    |         |
| 3,900.00                   | 3,824.76            | 3,817.35            | 3,726.71            | 19.21           | 19.58       | 109.37                | -544.67                           | 626.91     | 766.42               | 728.61                | 37.81                   | 20.270            |                    |         |
| 4,000.00                   | 3,922.40            | 3,915.27            | 3,821.73            | 19.71           | 20.10       | 109.36                | -558.25                           | 646.32     | 786.71               | 747.90                | 38.81                   | 20.273            |                    |         |
| 4,100.00                   | 4,020.03            | 4,013.19            | 3,916.74            | 20.21           | 20.63       | 109.35                | -571.84                           | 665.72     | 807.00               | 767.20                | 39.80                   | 20.274            |                    |         |
| 4,200.00                   | 4,117.67            | 4,111.11            | 4,011.75            | 20.72           | 21.15       | 109.34                | -585.43                           | 685.12     | 827.29               | 786.49                | 40.80                   | 20.276            |                    |         |
| 4,300.00                   | 4,215.31            | 4,209.02            | 4,106.76            | 21.23           | 21.68       | 109.33                | -599.02                           | 704.53     | 847.59               | 805.78                | 41.80                   | 20.277            |                    |         |
| 4,400.00                   | 4,312.94            | 4,306.94            | 4,201.77            | 21.73           | 22.21       | 109.32                | -612.60                           | 723.93     | 867.88               | 825.08                | 42.80                   | 20.277            |                    |         |
| 4,500.00                   | 4,410.58            | 4,404.86            | 4,296.78            | 22.24           | 22.73       | 109.32                | -626.19                           | 743.34     | 888.17               | 844.37                | 43.80                   | 20.277            |                    |         |
| 4,600.00                   | 4,508.22            | 4,502.78            | 4,391.79            | 22.75           | 23.26       | 109.31                | -639.78                           | 762.74     | 908.46               | 863.66                | 44.80                   | 20.277            |                    |         |
| 4,700.00                   | 4,605.86            | 4,600.70            | 4,486.80            | 23.25           | 23.79       | 109.30                | -653.37                           | 782.15     | 928.75               | 882.95                | 45.80                   | 20.277            |                    |         |
| 4,800.00                   | 4,703.49            | 4,701.38            | 4,581.81            | 23.76           | 24.33       | 109.29                | -666.95                           | 801.55     | 949.05               | 902.22                | 46.82                   | 20.270            |                    |         |
| 4,900.00                   | 4,801.13            | 4,796.54            | 4,676.82            | 24.27           | 24.84       | 109.29                | -680.54                           | 820.96     | 969.34               | 921.53                | 47.81                   | 20.275            |                    |         |
| 5,000.00                   | 4,898.77            | 4,905.54            | 4,771.83            | 24.77           | 25.43       | 109.28                | -694.13                           | 840.36     | 989.63               | 940.76                | 48.87                   | 20.250            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00  | 4,996.40            | 5,007.62            | 4,866.84            | 25.28           | 25.98       | 109.27                | -707.72                           | 859.77     | 1,009.92             | 960.03                | 49.90                   | 20.240            |                    |         |
| 5,200.00  | 5,094.04            | 5,109.70            | 4,961.86            | 25.79           | 26.53       | 109.27                | -721.30                           | 879.17     | 1,030.21             | 979.29                | 50.92                   | 20.231            |                    |         |
| 5,300.00  | 5,191.68            | 5,188.22            | 5,056.87            | 26.30           | 26.96       | 109.26                | -734.89                           | 898.58     | 1,050.51             | 998.68                | 51.83                   | 20.270            |                    |         |
| 5,400.00  | 5,289.32            | 5,286.14            | 5,151.88            | 26.81           | 27.49       | 109.25                | -748.48                           | 917.98     | 1,070.80             | 1,017.97              | 52.83                   | 20.268            |                    |         |
| 5,500.00  | 5,386.95            | 5,384.06            | 5,246.89            | 27.32           | 28.02       | 109.25                | -762.06                           | 937.39     | 1,091.09             | 1,037.25              | 53.84                   | 20.266            |                    |         |
| 5,600.00  | 5,484.59            | 5,481.98            | 5,341.90            | 27.83           | 28.54       | 109.24                | -775.65                           | 956.79     | 1,111.38             | 1,056.54              | 54.84                   | 20.265            |                    |         |
| 5,700.00  | 5,582.23            | 5,579.90            | 5,436.91            | 28.33           | 29.07       | 109.24                | -789.24                           | 976.20     | 1,131.67             | 1,075.82              | 55.85                   | 20.263            |                    |         |
| 5,800.00  | 5,679.87            | 5,677.82            | 5,531.92            | 28.84           | 29.60       | 109.23                | -802.83                           | 995.60     | 1,151.97             | 1,095.11              | 56.86                   | 20.261            |                    |         |
| 5,900.00  | 5,777.50            | 5,775.74            | 5,626.93            | 29.35           | 30.13       | 109.23                | -816.41                           | 1,015.01   | 1,172.26             | 1,114.39              | 57.86                   | 20.259            |                    |         |
| 6,000.00  | 5,875.14            | 5,873.66            | 5,721.94            | 29.86           | 30.66       | 109.22                | -830.00                           | 1,034.41   | 1,192.55             | 1,133.68              | 58.87                   | 20.257            |                    |         |
| 6,100.00  | 5,972.78            | 5,971.57            | 5,816.95            | 30.37           | 31.19       | 109.22                | -843.59                           | 1,053.82   | 1,212.84             | 1,152.96              | 59.88                   | 20.255            |                    |         |
| 6,200.00  | 6,070.41            | 6,069.49            | 5,911.96            | 30.88           | 31.72       | 109.21                | -857.18                           | 1,073.22   | 1,233.13             | 1,172.25              | 60.89                   | 20.253            |                    |         |
| 6,300.00  | 6,168.05            | 6,167.41            | 6,006.97            | 31.39           | 32.25       | 109.21                | -870.76                           | 1,092.63   | 1,253.43             | 1,191.53              | 61.89                   | 20.251            |                    |         |
| 6,400.00  | 6,265.69            | 6,265.33            | 6,101.99            | 31.90           | 32.79       | 109.20                | -884.35                           | 1,112.03   | 1,273.72             | 1,210.82              | 62.90                   | 20.249            |                    |         |
| 6,439.09  | 6,303.85            | 6,303.61            | 6,139.12            | 32.10           | 32.99       | 109.20                | -889.66                           | 1,119.61   | 1,281.65             | 1,218.35              | 63.30                   | 20.248            |                    |         |
| 6,450.00  | 6,314.53            | 6,314.29            | 6,149.49            | 32.16           | 33.05       | 110.87                | -891.14                           | 1,121.73   | 1,283.86             | 1,220.46              | 63.41                   | 20.248            |                    |         |
| 6,500.00  | 6,363.83            | 6,363.17            | 6,196.92            | 32.39           | 33.32       | 123.08                | -897.93                           | 1,131.42   | 1,293.93             | 1,230.04              | 63.89                   | 20.254            |                    |         |
| 6,550.00  | 6,413.58            | 6,411.70            | 6,244.00            | 32.60           | 33.58       | 156.27                | -904.66                           | 1,141.04   | 1,303.86             | 1,239.53              | 64.33                   | 20.268            |                    |         |
| 6,600.00  | 6,463.45            | 6,459.58            | 6,290.46            | 32.79           | 33.84       | -142.45               | -911.30                           | 1,150.52   | 1,313.66             | 1,248.91              | 64.75                   | 20.289            |                    |         |
| 6,650.00  | 6,513.15            | 6,506.51            | 6,335.99            | 32.97           | 34.09       | -114.66               | -917.82                           | 1,159.82   | 1,323.34             | 1,258.20              | 65.14                   | 20.316            |                    |         |
| 6,700.00  | 6,562.37            | 6,552.20            | 6,380.33            | 33.15           | 34.34       | -104.51               | -924.16                           | 1,168.88   | 1,332.98             | 1,267.46              | 65.52                   | 20.345            |                    |         |
| 6,750.00  | 6,610.80            | 6,603.63            | 6,423.19            | 33.34           | 34.62       | -99.64                | -930.29                           | 1,177.63   | 1,342.66             | 1,276.73              | 65.92                   | 20.366            |                    |         |
| 6,800.00  | 6,658.14            | 6,638.76            | 6,464.32            | 33.53           | 34.81       | -96.87                | -936.17                           | 1,186.03   | 1,352.46             | 1,286.22              | 66.25                   | 20.415            |                    |         |
| 6,850.00  | 6,704.11            | 6,680.40            | 6,504.81            | 33.74           | 35.03       | -95.16                | -941.96                           | 1,193.80   | 1,362.51             | 1,295.90              | 66.61                   | 20.456            |                    |         |
| 6,900.00  | 6,748.42            | 6,723.83            | 6,547.45            | 33.97           | 35.24       | -94.03                | -948.07                           | 1,199.26   | 1,372.81             | 1,305.81              | 66.99                   | 20.492            |                    |         |
| 6,950.00  | 6,790.79            | 6,769.21            | 6,592.29            | 34.21           | 35.43       | -93.27                | -954.52                           | 1,201.81   | 1,383.31             | 1,315.90              | 67.40                   | 20.523            |                    |         |
| 7,000.00  | 6,830.97            | 6,816.92            | 6,639.49            | 34.48           | 35.61       | -92.78                | -961.32                           | 1,201.01   | 1,393.95             | 1,326.11              | 67.84                   | 20.546            |                    |         |
| 7,050.00  | 6,868.71            | 6,867.39            | 6,689.21            | 34.77           | 35.78       | -92.48                | -968.50                           | 1,196.28   | 1,404.69             | 1,336.37              | 68.32                   | 20.560            |                    |         |
| 7,100.00  | 6,903.77            | 6,921.16            | 6,741.60            | 35.09           | 35.94       | -92.36                | -976.09                           | 1,186.88   | 1,415.44             | 1,346.59              | 68.85                   | 20.559            |                    |         |
| 7,150.00  | 6,935.93            | 6,978.90            | 6,796.74            | 35.44           | 36.12       | -92.39                | -984.10                           | 1,171.85   | 1,426.10             | 1,356.68              | 69.42                   | 20.542            |                    |         |
| 7,200.00  | 6,965.01            | 7,041.37            | 6,854.63            | 35.83           | 36.31       | -92.57                | -992.54                           | 1,149.98   | 1,436.57             | 1,366.51              | 70.05                   | 20.506            |                    |         |
| 7,250.00  | 6,990.82            | 7,109.50            | 6,914.99            | 36.26           | 36.54       | -92.88                | -1,001.37                         | 1,119.73   | 1,446.69             | 1,375.95              | 70.74                   | 20.449            |                    |         |
| 7,300.00  | 7,013.20            | 7,184.28            | 6,977.14            | 36.72           | 36.81       | -93.32                | -1,010.52                         | 1,079.24   | 1,456.30             | 1,384.79              | 71.51                   | 20.366            |                    |         |
| 7,350.00  | 7,032.02            | 7,266.79            | 7,039.72            | 37.23           | 37.17       | -93.87                | -1,019.78                         | 1,026.37   | 1,465.18             | 1,392.81              | 72.37                   | 20.245            |                    |         |
| 7,400.00  | 7,047.15            | 7,357.94            | 7,100.34            | 37.77           | 37.63       | -94.50                | -1,028.83                         | 959.01     | 1,473.07             | 1,399.69              | 73.39                   | 20.073            |                    |         |
| 7,450.00  | 7,058.51            | 7,458.22            | 7,155.29            | 38.34           | 38.27       | -95.15                | -1,037.14                         | 875.65     | 1,479.68             | 1,405.04              | 74.64                   | 19.824            |                    |         |
| 7,500.00  | 7,066.02            | 7,567.33            | 7,199.54            | 38.95           | 39.13       | -95.74                | -1,043.98                         | 776.30     | 1,484.68             | 1,408.46              | 76.22                   | 19.478            |                    |         |
| 7,550.00  | 7,069.64            | 7,683.68            | 7,227.51            | 39.58           | 40.25       | -96.18                | -1,048.55                         | 663.63     | 1,487.78             | 1,409.60              | 78.18                   | 19.029            |                    |         |
| 7,571.20  | 7,070.04            | 7,734.51            | 7,233.26            | 39.85           | 40.80       | -96.30                | -1,049.62                         | 613.15     | 1,488.47             | 1,409.35              | 79.12                   | 18.813            |                    |         |
| 7,600.00  | 7,070.00            | 7,809.66            | 7,235.02            | 40.23           | 41.67       | -96.36                | -1,050.14                         | 557.36     | 1,488.78             | 1,408.27              | 80.51                   | 18.492            |                    |         |
| 7,700.00  | 7,070.01            | 7,909.66            | 7,235.24            | 41.64           | 42.95       | -96.37                | -1,050.65                         | 457.36     | 1,489.28             | 1,405.98              | 83.30                   | 17.879            |                    |         |
| 7,800.00  | 7,070.02            | 8,009.66            | 7,235.45            | 43.20           | 44.40       | -96.38                | -1,051.16                         | 357.36     | 1,489.77             | 1,403.40              | 86.37                   | 17.249            |                    |         |
| 7,900.00  | 7,070.03            | 8,109.66            | 7,235.66            | 44.89           | 45.98       | -96.38                | -1,051.66                         | 257.37     | 1,490.27             | 1,400.57              | 89.70                   | 16.615            |                    |         |
| 8,000.00  | 7,070.04            | 8,209.66            | 7,235.88            | 46.69           | 47.70       | -96.39                | -1,052.17                         | 157.37     | 1,490.76             | 1,397.51              | 93.25                   | 15.986            |                    |         |
| 8,100.00  | 7,070.05            | 8,309.66            | 7,236.09            | 48.60           | 49.52       | -96.39                | -1,052.68                         | 57.37      | 1,491.26             | 1,394.24              | 97.01                   | 15.372            |                    |         |
| 8,200.00  | 7,070.05            | 8,409.67            | 7,236.30            | 50.59           | 51.45       | -96.40                | -1,053.19                         | -42.62     | 1,491.75             | 1,390.80              | 100.95                  | 14.777            |                    |         |
| 8,300.00  | 7,070.06            | 8,509.67            | 7,236.52            | 52.66           | 53.46       | -96.40                | -1,053.70                         | -142.62    | 1,492.24             | 1,387.19              | 105.05                  | 14.205            |                    |         |
| 8,400.00  | 7,070.07            | 8,609.67            | 7,236.73            | 54.81           | 55.55       | -96.41                | -1,054.21                         | -242.62    | 1,492.74             | 1,383.44              | 109.30                  | 13.658            |                    |         |
| 8,500.00  | 7,070.08            | 8,709.67            | 7,236.94            | 57.02           | 57.71       | -96.42                | -1,054.71                         | -342.62    | 1,493.23             | 1,379.57              | 113.66                  | 13.137            |                    |         |
| 8,600.00  | 7,070.09            | 8,809.67            | 7,237.15            | 59.28           | 59.93       | -96.42                | -1,055.22                         | -442.61    | 1,493.73             | 1,375.58              | 118.15                  | 12.643            |                    |         |
| 8,700.00  | 7,070.10            | 8,909.67            | 7,237.37            | 61.60           | 62.20       | -96.43                | -1,055.73                         | -542.61    | 1,494.22             | 1,371.50              | 122.73                  | 12.175            |                    |         |
| 8,800.00  | 7,070.11            | 9,009.67            | 7,237.58            | 63.95           | 64.52       | -96.43                | -1,056.24                         | -642.61    | 1,494.72             | 1,367.32              | 127.40                  | 11.733            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00  | 7,070.12            | 9,109.68            | 7,237.79            | 66.35           | 66.89       | -96.44                | -1,056.75                         | -742.60    | 1,495.21             | 1,363.06              | 132.15                  | 11.315            |                    |         |
| 9,000.00  | 7,070.13            | 9,209.68            | 7,238.01            | 68.79           | 69.29       | -96.44                | -1,057.25                         | -842.60    | 1,495.71             | 1,358.74              | 136.97                  | 10.920            |                    |         |
| 9,100.00  | 7,070.13            | 9,309.68            | 7,238.22            | 71.25           | 71.72       | -96.45                | -1,057.76                         | -942.60    | 1,496.20             | 1,354.35              | 141.85                  | 10.548            |                    |         |
| 9,200.00  | 7,070.14            | 9,409.68            | 7,238.43            | 73.74           | 74.19       | -96.46                | -1,058.27                         | -1,042.60  | 1,496.69             | 1,349.90              | 146.80                  | 10.196            |                    |         |
| 9,300.00  | 7,070.15            | 9,509.68            | 7,238.65            | 76.26           | 76.68       | -96.46                | -1,058.78                         | -1,142.59  | 1,497.19             | 1,345.40              | 151.79                  | 9.864             |                    |         |
| 9,400.00  | 7,070.16            | 9,609.68            | 7,238.86            | 78.80           | 79.20       | -96.47                | -1,059.29                         | -1,242.59  | 1,497.68             | 1,340.85              | 156.83                  | 9.550             |                    |         |
| 9,500.00  | 7,070.17            | 9,709.68            | 7,239.07            | 81.37           | 81.74       | -96.47                | -1,059.80                         | -1,342.59  | 1,498.18             | 1,336.26              | 161.92                  | 9.253             |                    |         |
| 9,600.00  | 7,070.18            | 9,809.68            | 7,239.28            | 83.95           | 84.31       | -96.48                | -1,060.30                         | -1,442.58  | 1,498.67             | 1,331.63              | 167.04                  | 8.972             |                    |         |
| 9,700.00  | 7,070.19            | 9,909.69            | 7,239.50            | 86.55           | 86.89       | -96.48                | -1,060.81                         | -1,542.58  | 1,499.17             | 1,326.97              | 172.20                  | 8.706             |                    |         |
| 9,800.00  | 7,070.20            | 10,009.69           | 7,239.71            | 89.17           | 89.49       | -96.49                | -1,061.32                         | -1,642.58  | 1,499.66             | 1,322.27              | 177.39                  | 8.454             |                    |         |
| 9,900.00  | 7,070.21            | 10,109.69           | 7,239.92            | 91.80           | 92.10       | -96.50                | -1,061.83                         | -1,742.58  | 1,500.16             | 1,317.55              | 182.61                  | 8.215             |                    |         |
| 10,000.00   | 7,070.21            | 10,209.69           | 7,240.14            | 94.44           | 94.73       | -96.50                | -1,062.34                         | -1,842.57  | 1,500.65             | 1,312.79              | 187.86                  | 7.988             |                    |         |
| 10,100.00   | 7,070.22            | 10,309.69           | 7,240.35            | 97.10           | 97.37       | -96.51                | -1,062.85                         | -1,942.57  | 1,501.15             | 1,308.02              | 193.13                  | 7.773             |                    |         |
| 10,200.00   | 7,070.23            | 10,409.69           | 7,240.56            | 99.77           | 100.02      | -96.51                | -1,063.35                         | -2,042.57  | 1,501.64             | 1,303.22              | 198.42                  | 7.568             |                    |         |
| 10,300.00   | 7,070.24            | 10,509.69           | 7,240.78            | 102.44          | 102.69      | -96.52                | -1,063.86                         | -2,142.56  | 1,502.13             | 1,298.40              | 203.74                  | 7.373             |                    |         |
| 10,400.00   | 7,070.25            | 10,609.70           | 7,240.99            | 105.13          | 105.36      | -96.52                | -1,064.37                         | -2,242.56  | 1,502.63             | 1,293.56              | 209.07                  | 7.187             |                    |         |
| 10,500.00   | 7,070.26            | 10,690.30           | 7,241.20            | 107.83          | 107.53      | -96.53                | -1,064.88                         | -2,342.56  | 1,503.12             | 1,289.22              | 213.91                  | 7.027             |                    |         |
| 10,600.00   | 7,070.27            | 10,809.70           | 7,241.41            | 110.53          | 110.74      | -96.54                | -1,065.39                         | -2,442.56  | 1,503.62             | 1,283.82              | 219.80                  | 6.841             |                    |         |
| 10,700.00   | 7,070.28            | 10,909.70           | 7,241.63            | 113.24          | 113.44      | -96.54                | -1,065.90                         | -2,542.55  | 1,504.11             | 1,278.93              | 225.18                  | 6.680             |                    |         |
| 10,800.00   | 7,070.28            | 11,009.70           | 7,241.84            | 115.96          | 116.15      | -96.55                | -1,066.40                         | -2,642.55  | 1,504.61             | 1,274.03              | 230.58                  | 6.525             |                    |         |
| 10,900.00   | 7,070.29            | 11,109.70           | 7,242.05            | 118.69          | 118.86      | -96.55                | -1,066.91                         | -2,742.55  | 1,505.10             | 1,269.11              | 235.99                  | 6.378             |                    |         |
| 11,000.00   | 7,070.30            | 11,209.70           | 7,242.27            | 121.42          | 121.59      | -96.56                | -1,067.42                         | -2,842.54  | 1,505.60             | 1,264.18              | 241.42                  | 6.237             |                    |         |
| 11,100.00   | 7,070.31            | 11,309.70           | 7,242.48            | 124.16          | 124.32      | -96.56                | -1,067.93                         | -2,942.54  | 1,506.09             | 1,259.24              | 246.85                  | 6.101             |                    |         |
| 11,200.00   | 7,070.32            | 11,409.71           | 7,242.69            | 126.90          | 127.05      | -96.57                | -1,068.44                         | -3,042.54  | 1,506.59             | 1,254.29              | 252.30                  | 5.971             |                    |         |
| 11,300.00   | 7,070.33            | 11,509.71           | 7,242.91            | 129.65          | 129.79      | -96.58                | -1,068.94                         | -3,142.54  | 1,507.08             | 1,249.32              | 257.76                  | 5.847             |                    |         |
| 11,400.00   | 7,070.34            | 11,609.71           | 7,243.12            | 132.40          | 132.53      | -96.58                | -1,069.45                         | -3,242.53  | 1,507.58             | 1,244.35              | 263.22                  | 5.727             |                    |         |
| 11,500.00   | 7,070.35            | 11,709.71           | 7,243.33            | 135.16          | 135.28      | -96.59                | -1,069.96                         | -3,342.53  | 1,508.07             | 1,239.37              | 268.70                  | 5.612             |                    |         |
| 11,600.00   | 7,070.36            | 11,809.71           | 7,243.54            | 137.92          | 138.04      | -96.59                | -1,070.47                         | -3,442.53  | 1,508.57             | 1,234.38              | 274.18                  | 5.502             |                    |         |
| 11,700.00   | 7,070.36            | 11,909.71           | 7,243.76            | 140.69          | 140.80      | -96.60                | -1,070.98                         | -3,542.52  | 1,509.06             | 1,229.39              | 279.68                  | 5.396             |                    |         |
| 11,800.00   | 7,070.37            | 12,009.71           | 7,243.97            | 143.46          | 143.56      | -96.60                | -1,071.49                         | -3,642.52  | 1,509.56             | 1,224.38              | 285.18                  | 5.293             |                    |         |
| 11,900.00   | 7,070.38            | 12,109.72           | 7,244.18            | 146.23          | 146.32      | -96.61                | -1,071.99                         | -3,742.52  | 1,510.05             | 1,219.37              | 290.68                  | 5.195             |                    |         |
| 12,000.00   | 7,070.39            | 12,209.72           | 7,244.40            | 149.01          | 149.09      | -96.61                | -1,072.50                         | -3,842.52  | 1,510.55             | 1,214.35              | 296.20                  | 5.100             |                    |         |
| 12,100.00   | 7,070.40            | 12,309.72           | 7,244.61            | 151.79          | 151.87      | -96.62                | -1,073.01                         | -3,942.51  | 1,511.04             | 1,209.33              | 301.72                  | 5.008             |                    |         |
| 12,200.00   | 7,070.41            | 12,409.72           | 7,244.82            | 154.57          | 154.64      | -96.63                | -1,073.52                         | -4,042.51  | 1,511.54             | 1,204.30              | 307.24                  | 4.920             |                    |         |
| 12,300.00   | 7,070.42            | 12,509.72           | 7,245.04            | 157.35          | 157.42      | -96.63                | -1,074.03                         | -4,142.51  | 1,512.03             | 1,199.26              | 312.77                  | 4.834             |                    |         |
| 12,400.00   | 7,070.43            | 12,609.72           | 7,245.25            | 160.14          | 160.20      | -96.64                | -1,074.54                         | -4,242.50  | 1,512.53             | 1,194.22              | 318.31                  | 4.752             |                    |         |
| 12,500.00   | 7,070.44            | 12,709.72           | 7,245.46            | 162.93          | 162.99      | -96.64                | -1,075.05                         | -4,342.50  | 1,513.02             | 1,189.17              | 323.85                  | 4.672             |                    |         |
| 12,600.00   | 7,070.44            | 12,809.72           | 7,245.67            | 165.72          | 165.77      | -96.65                | -1,075.55                         | -4,442.50  | 1,513.52             | 1,184.12              | 329.39                  | 4.595             |                    |         |
| 12,700.00   | 7,070.45            | 12,909.73           | 7,245.89            | 168.52          | 168.56      | -96.65                | -1,076.06                         | -4,542.50  | 1,514.01             | 1,179.07              | 334.94                  | 4.520             |                    |         |
| 12,800.00   | 7,070.46            | 13,009.73           | 7,246.10            | 171.32          | 171.35      | -96.66                | -1,076.57                         | -4,642.49  | 1,514.51             | 1,174.01              | 340.50                  | 4.448             |                    |         |
| 12,900.00   | 7,070.47            | 13,109.73           | 7,246.31            | 174.11          | 174.15      | -96.67                | -1,077.08                         | -4,742.49  | 1,515.00             | 1,168.94              | 346.06                  | 4.378             |                    |         |
| 13,000.00   | 7,070.48            | 13,209.73           | 7,246.53            | 176.92          | 176.94      | -96.67                | -1,077.58                         | -4,842.49  | 1,515.50             | 1,163.88              | 351.62                  | 4.310             |                    |         |
| 13,100.00   | 7,070.49            | 13,309.73           | 7,246.74            | 179.72          | 179.74      | -96.68                | -1,078.09                         | -4,942.48  | 1,515.99             | 1,158.81              | 357.19                  | 4.244             |                    |         |
| 13,200.00   | 7,070.50            | 13,409.73           | 7,246.95            | 182.52          | 182.54      | -96.68                | -1,078.60                         | -5,042.48  | 1,516.49             | 1,153.73              | 362.76                  | 4.180             |                    |         |
| 13,300.00   | 7,070.51            | 13,509.73           | 7,247.17            | 185.33          | 185.34      | -96.69                | -1,079.11                         | -5,142.48  | 1,516.98             | 1,148.65              | 368.33                  | 4.119             |                    |         |
| 13,400.00   | 7,070.52            | 13,609.74           | 7,247.38            | 188.14          | 188.14      | -96.69                | -1,079.62                         | -5,242.48  | 1,517.48             | 1,143.57              | 373.90                  | 4.058             |                    |         |
| 13,500.00   | 7,070.52            | 13,690.26           | 7,247.59            | 190.95          | 190.40      | -96.70                | -1,080.13                         | -5,342.47  | 1,517.97             | 1,139.03              | 378.94                  | 4.006             |                    |         |
| 13,600.00   | 7,070.53            | 13,809.74           | 7,247.80            | 193.76          | 193.76      | -96.70                | -1,080.63                         | -5,442.47  | 1,518.47             | 1,133.40              | 385.07                  | 3.943             |                    |         |
| 13,700.00   | 7,070.54            | 13,909.74           | 7,248.02            | 196.57          | 196.56      | -96.71                | -1,081.14                         | -5,542.47  | 1,518.96             | 1,128.31              | 390.65                  | 3.888             |                    |         |
| 13,800.00   | 7,070.55            | 14,009.74           | 7,248.23            | 199.38          | 199.37      | -96.72                | -1,081.65                         | -5,642.46  | 1,519.46             | 1,123.22              | 396.24                  | 3.835             |                    |         |
| 13,900.00   | 7,070.56            | 14,109.74           | 7,248.44            | 202.20          | 202.18      | -96.72                | -1,082.16                         | -5,742.46  | 1,519.95             | 1,118.12              | 401.83                  | 3.783             |                    |         |
| 14,000.00   | 7,070.57            | 14,209.74           | 7,248.66            | 205.01          | 204.99      | -96.73                | -1,082.67                         | -5,842.46  | 1,520.45             | 1,113.03              | 407.42                  | 3.732             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1 |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning            |         |
| 14,100.00   | 7,070.58            | 14,309.74           | 7,248.87            | 207.83         | 207.81      | -96.73                | -1,083.18                         | -5,942.46  | 1,520.94             | 1,107.93              | 413.02                  | 3.683             |                    |         |
| 14,200.00   | 7,070.59            | 14,409.75           | 7,249.08            | 210.65         | 210.62      | -96.74                | -1,083.68                         | -6,042.45  | 1,521.44             | 1,102.83              | 418.61                  | 3.634             |                    |         |
| 14,300.00   | 7,070.60            | 14,509.75           | 7,249.30            | 213.47         | 213.44      | -96.74                | -1,084.19                         | -6,142.45  | 1,521.93             | 1,097.72              | 424.21                  | 3.588             |                    |         |
| 14,400.00   | 7,070.60            | 14,609.75           | 7,249.51            | 216.29         | 216.25      | -96.75                | -1,084.70                         | -6,242.45  | 1,522.43             | 1,092.62              | 429.81                  | 3.542             |                    |         |
| 14,500.00   | 7,070.61            | 14,690.25           | 7,249.72            | 219.11         | 218.52      | -96.75                | -1,085.21                         | -6,342.44  | 1,522.92             | 1,088.06              | 434.87                  | 3.502             |                    |         |
| 14,600.00   | 7,070.62            | 14,809.75           | 7,249.93            | 221.94         | 221.89      | -96.76                | -1,085.72                         | -6,442.44  | 1,523.42             | 1,082.40              | 441.02                  | 3.454             |                    |         |
| 14,700.00   | 7,070.63            | 14,909.75           | 7,250.15            | 224.76         | 224.71      | -96.77                | -1,086.22                         | -6,542.44  | 1,523.91             | 1,077.29              | 446.63                  | 3.412             |                    |         |
| 14,800.00   | 7,070.64            | 15,009.75           | 7,250.36            | 227.58         | 227.53      | -96.77                | -1,086.73                         | -6,642.44  | 1,524.41             | 1,072.17              | 452.24                  | 3.371             |                    |         |
| 14,900.00   | 7,070.65            | 15,109.76           | 7,250.57            | 230.41         | 230.35      | -96.78                | -1,087.24                         | -6,742.43  | 1,524.91             | 1,067.06              | 457.85                  | 3.331             |                    |         |
| 15,000.00   | 7,070.66            | 15,209.76           | 7,250.79            | 233.24         | 233.18      | -96.78                | -1,087.75                         | -6,842.43  | 1,525.40             | 1,061.94              | 463.46                  | 3.291             |                    |         |
| 15,100.00   | 7,070.67            | 15,309.76           | 7,251.00            | 236.06         | 236.00      | -96.79                | -1,088.26                         | -6,942.43  | 1,525.90             | 1,056.83              | 469.07                  | 3.253             |                    |         |
| 15,200.00   | 7,070.68            | 15,409.76           | 7,251.21            | 238.89         | 238.82      | -96.79                | -1,088.77                         | -7,042.42  | 1,526.39             | 1,051.71              | 474.69                  | 3.216             |                    |         |
| 15,300.00   | 7,070.68            | 15,509.76           | 7,251.43            | 241.72         | 241.65      | -96.80                | -1,089.27                         | -7,142.42  | 1,526.89             | 1,046.59              | 480.30                  | 3.179             |                    |         |
| 15,400.00   | 7,070.69            | 15,609.76           | 7,251.64            | 244.55         | 244.48      | -96.80                | -1,089.78                         | -7,242.42  | 1,527.38             | 1,041.46              | 485.92                  | 3.143             |                    |         |
| 15,500.00   | 7,070.70            | 15,709.76           | 7,251.85            | 247.38         | 247.30      | -96.81                | -1,090.29                         | -7,342.42  | 1,527.88             | 1,036.34              | 491.54                  | 3.108             |                    |         |
| 15,600.00   | 7,070.71            | 15,809.76           | 7,252.06            | 250.21         | 250.13      | -96.81                | -1,090.80                         | -7,442.41  | 1,528.37             | 1,031.21              | 497.16                  | 3.074             |                    |         |
| 15,700.00   | 7,070.72            | 15,909.77           | 7,252.28            | 253.04         | 252.96      | -96.82                | -1,091.31                         | -7,542.41  | 1,528.87             | 1,026.09              | 502.78                  | 3.041             |                    |         |
| 15,800.00   | 7,070.73            | 16,009.77           | 7,252.49            | 255.87         | 255.79      | -96.83                | -1,091.82                         | -7,642.41  | 1,529.36             | 1,020.96              | 508.40                  | 3.008             |                    |         |
| 15,900.00   | 7,070.74            | 16,109.77           | 7,252.70            | 258.71         | 258.62      | -96.83                | -1,092.32                         | -7,742.40  | 1,529.86             | 1,015.83              | 514.03                  | 2.976             |                    |         |
| 16,000.00   | 7,070.75            | 16,209.77           | 7,252.92            | 261.54         | 261.45      | -96.84                | -1,092.83                         | -7,842.40  | 1,530.36             | 1,010.70              | 519.65                  | 2.945             |                    |         |
| 16,100.00   | 7,070.76            | 16,290.23           | 7,253.13            | 264.37         | 263.72      | -96.84                | -1,093.34                         | -7,942.40  | 1,530.85             | 1,006.12              | 524.73                  | 2.917             |                    |         |
| 16,200.00   | 7,070.76            | 16,409.77           | 7,253.34            | 267.21         | 267.11      | -96.85                | -1,093.85                         | -8,042.40  | 1,531.35             | 1,000.44              | 530.90                  | 2.884             |                    |         |
| 16,300.00   | 7,070.77            | 16,509.77           | 7,253.56            | 270.04         | 269.94      | -96.85                | -1,094.36                         | -8,142.39  | 1,531.84             | 995.31                | 536.53                  | 2.855             |                    |         |
| 16,400.00   | 7,070.78            | 16,609.78           | 7,253.77            | 272.88         | 272.77      | -96.86                | -1,094.87                         | -8,242.39  | 1,532.34             | 990.18                | 542.16                  | 2.826             |                    |         |
| 16,500.00   | 7,070.79            | 16,709.78           | 7,253.98            | 275.71         | 275.61      | -96.86                | -1,095.37                         | -8,342.39  | 1,532.83             | 985.04                | 547.79                  | 2.798             |                    |         |
| 16,600.00   | 7,070.80            | 16,809.78           | 7,254.19            | 278.55         | 278.44      | -96.87                | -1,095.88                         | -8,442.39  | 1,533.33             | 979.91                | 553.42                  | 2.771             |                    |         |
| 16,700.00   | 7,070.81            | 16,890.22           | 7,254.41            | 281.39         | 280.72      | -96.87                | -1,096.39                         | -8,542.38  | 1,533.82             | 975.32                | 558.50                  | 2.746             |                    |         |
| 16,800.00   | 7,070.82            | 17,009.78           | 7,254.62            | 284.22         | 284.11      | -96.88                | -1,096.90                         | -8,642.38  | 1,534.32             | 969.63                | 564.68                  | 2.717             |                    |         |
| 16,900.00   | 7,070.83            | 17,109.78           | 7,254.83            | 287.06         | 286.94      | -96.89                | -1,097.41                         | -8,742.38  | 1,534.82             | 964.50                | 570.32                  | 2.691             |                    |         |
| 17,000.00   | 7,070.84            | 17,209.78           | 7,255.05            | 289.90         | 289.78      | -96.89                | -1,097.91                         | -8,842.37  | 1,535.31             | 959.36                | 575.95                  | 2.666             |                    |         |
| 17,100.00   | 7,070.84            | 17,309.78           | 7,255.26            | 292.74         | 292.61      | -96.90                | -1,098.42                         | -8,942.37  | 1,535.81             | 954.22                | 581.59                  | 2.641             |                    |         |
| 17,200.00   | 7,070.85            | 17,409.79           | 7,255.47            | 295.58         | 295.45      | -96.90                | -1,098.93                         | -9,042.37  | 1,536.30             | 949.08                | 587.22                  | 2.616             |                    |         |
| 17,300.00   | 7,070.86            | 17,509.79           | 7,255.69            | 298.42         | 298.29      | -96.91                | -1,099.44                         | -9,142.37  | 1,536.80             | 943.94                | 592.86                  | 2.592             |                    |         |
| 17,400.00   | 7,070.87            | 17,590.21           | 7,255.90            | 301.26         | 300.57      | -96.91                | -1,099.95                         | -9,242.36  | 1,537.29             | 939.35                | 597.94                  | 2.571             |                    |         |
| 17,500.00   | 7,070.88            | 17,690.21           | 7,256.11            | 304.10         | 303.41      | -96.92                | -1,100.46                         | -9,342.36  | 1,537.79             | 934.21                | 603.58                  | 2.548             |                    |         |
| 17,600.00   | 7,070.89            | 17,809.79           | 7,256.32            | 306.94         | 306.80      | -96.92                | -1,100.96                         | -9,442.36  | 1,538.28             | 928.52                | 609.77                  | 2.523             |                    |         |
| 17,700.00   | 7,070.90            | 17,909.79           | 7,256.54            | 309.78         | 309.64      | -96.93                | -1,101.47                         | -9,542.35  | 1,538.78             | 923.37                | 615.41                  | 2.500             |                    |         |
| 17,800.00   | 7,070.91            | 18,009.79           | 7,256.75            | 312.62         | 312.48      | -96.93                | -1,101.98                         | -9,642.35  | 1,539.28             | 918.23                | 621.05                  | 2.479             |                    |         |
| 17,900.00   | 7,070.92            | 18,109.80           | 7,256.96            | 315.46         | 315.32      | -96.94                | -1,102.49                         | -9,742.35  | 1,539.77             | 913.08                | 626.69                  | 2.457             |                    |         |
| 18,000.00   | 7,070.92            | 18,209.80           | 7,257.18            | 318.31         | 318.16      | -96.95                | -1,103.00                         | -9,842.35  | 1,540.27             | 907.94                | 632.33                  | 2.436             |                    |         |
| 18,100.00   | 7,070.93            | 18,309.80           | 7,257.39            | 321.15         | 320.99      | -96.95                | -1,103.51                         | -9,942.34  | 1,540.76             | 902.79                | 637.97                  | 2.415             |                    |         |
| 18,200.00   | 7,070.94            | 18,409.80           | 7,257.60            | 323.99         | 323.83      | -96.96                | -1,104.01                         | -10,042.34 | 1,541.26             | 897.65                | 643.61                  | 2.395             |                    |         |
| 18,300.00   | 7,070.95            | 18,509.80           | 7,257.82            | 326.83         | 326.68      | -96.96                | -1,104.52                         | -10,142.34 | 1,541.76             | 892.50                | 649.25                  | 2.375             |                    |         |
| 18,400.00   | 7,070.96            | 18,609.80           | 7,258.03            | 329.68         | 329.52      | -96.97                | -1,105.03                         | -10,242.33 | 1,542.25             | 887.36                | 654.89                  | 2.355             |                    |         |
| 18,500.00   | 7,070.97            | 18,709.80           | 7,258.24            | 332.52         | 332.36      | -96.97                | -1,105.54                         | -10,342.33 | 1,542.75             | 882.21                | 660.54                  | 2.336             |                    |         |
| 18,600.00   | 7,070.98            | 18,809.80           | 7,258.45            | 335.36         | 335.20      | -96.98                | -1,106.05                         | -10,442.33 | 1,543.24             | 877.06                | 666.18                  | 2.317             |                    |         |
| 18,700.00   | 7,070.99            | 18,909.81           | 7,258.67            | 338.21         | 338.04      | -96.98                | -1,106.55                         | -10,542.33 | 1,543.74             | 871.91                | 671.82                  | 2.298             |                    |         |
| 18,800.00   | 7,070.99            | 18,990.19           | 7,258.88            | 341.05         | 340.32      | -96.99                | -1,107.06                         | -10,642.32 | 1,544.23             | 867.32                | 676.91                  | 2.281             |                    |         |
| 18,858.54   | 7,071.00            | 19,048.73           | 7,259.01            | 342.72         | 341.99      | -96.99                | -1,107.36                         | -10,700.86 | 1,544.52             | 864.31                | 680.22                  | 2.271 SF          |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00   | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.47               | -119.86                           | -1.11      | 119.86               |                       |                         |                   |                    |         |
| 100.00   | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.47               | -119.86                           | -1.11      | 119.86               | 113.29                | 6.57                    | 18.246            |                    |         |
| 200.00   | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.47               | -119.86                           | -1.11      | 119.86               | 113.19                | 6.67                    | 17.959 CC, ES     |                    |         |
| 300.00   | 300.00              | 297.22              | 297.20              | 3.44            | 3.44        | 179.96                | -120.98                           | 0.09       | 121.01               | 114.13                | 6.89                    | 17.571            |                    |         |
| 400.00   | 399.98              | 394.24              | 394.10              | 3.60            | 3.58        | 106.47                | -124.35                           | 3.70       | 125.03               | 117.82                | 7.20                    | 17.361            |                    |         |
| 500.00   | 499.84              | 490.94              | 490.44              | 3.80            | 3.78        | 105.88                | -129.92                           | 9.68       | 132.39               | 124.78                | 7.61                    | 17.401            |                    |         |
| 600.00   | 599.45              | 587.13              | 585.95              | 4.04            | 4.01        | 105.65                | -137.67                           | 17.99      | 143.06               | 134.96                | 8.10                    | 17.672            |                    |         |
| 700.00   | 698.70              | 682.65              | 680.37              | 4.32            | 4.27        | 105.72                | -147.52                           | 28.55      | 156.99               | 148.34                | 8.65                    | 18.152            |                    |         |
| 800.00   | 797.47              | 777.36              | 773.46              | 4.63            | 4.57        | 105.99                | -159.40                           | 41.29      | 174.15               | 164.89                | 9.26                    | 18.808            |                    |         |
| 900.00   | 895.62              | 871.11              | 864.99              | 4.97            | 4.91        | 106.36                | -173.22                           | 56.12      | 194.51               | 184.59                | 9.92                    | 19.612            |                    |         |
| 924.00   | 919.08              | 893.46              | 886.70              | 5.06            | 4.99        | 106.46                | -176.82                           | 59.97      | 199.87               | 189.78                | 10.08                   | 19.820            |                    |         |
| 1,000.00   | 993.28              | 963.86              | 954.84              | 5.34            | 5.27        | 106.89                | -188.90                           | 72.93      | 217.74               | 207.12                | 10.62                   | 20.500            |                    |         |
| 1,100.00   | 1,090.92            | 1,059.20            | 1,046.59            | 5.73            | 5.68        | 107.01                | -206.57                           | 91.88      | 242.61               | 231.25                | 11.37                   | 21.346            |                    |         |
| 1,200.00   | 1,188.56            | 1,156.03            | 1,139.74            | 6.15            | 6.11        | 107.09                | -224.62                           | 111.23     | 267.60               | 255.45                | 12.15                   | 22.020            |                    |         |
| 1,300.00   | 1,286.19            | 1,252.86            | 1,232.88            | 6.57            | 6.57        | 107.15                | -242.67                           | 130.58     | 292.58               | 279.61                | 12.97                   | 22.555            |                    |         |
| 1,400.00   | 1,383.83            | 1,349.69            | 1,326.02            | 7.01            | 7.03        | 107.21                | -260.71                           | 149.94     | 317.56               | 303.75                | 13.82                   | 22.984            |                    |         |
| 1,500.00   | 1,481.47            | 1,446.52            | 1,419.16            | 7.46            | 7.52        | 107.25                | -278.76                           | 169.29     | 342.55               | 327.86                | 14.68                   | 23.328            |                    |         |
| 1,600.00   | 1,579.10            | 1,543.35            | 1,512.31            | 7.91            | 8.01        | 107.29                | -296.81                           | 188.64     | 367.53               | 351.96                | 15.57                   | 23.606            |                    |         |
| 1,700.00   | 1,676.74            | 1,640.17            | 1,605.45            | 8.37            | 8.50        | 107.32                | -314.85                           | 208.00     | 392.52               | 376.05                | 16.47                   | 23.832            |                    |         |
| 1,800.00   | 1,774.38            | 1,737.00            | 1,698.59            | 8.84            | 9.01        | 107.35                | -332.90                           | 227.35     | 417.50               | 400.12                | 17.38                   | 24.017            |                    |         |
| 1,900.00   | 1,872.02            | 1,833.83            | 1,791.73            | 9.31            | 9.52        | 107.38                | -350.95                           | 246.70     | 442.48               | 424.18                | 18.31                   | 24.169            |                    |         |
| 2,000.00   | 1,969.65            | 1,930.66            | 1,884.88            | 9.79            | 10.04       | 107.40                | -369.00                           | 266.06     | 467.47               | 448.23                | 19.24                   | 24.295            |                    |         |
| 2,100.00   | 2,067.29            | 2,027.49            | 1,978.02            | 10.27           | 10.56       | 107.43                | -387.04                           | 285.41     | 492.45               | 472.27                | 20.18                   | 24.400            |                    |         |
| 2,200.00   | 2,164.93            | 2,124.32            | 2,071.16            | 10.75           | 11.08       | 107.44                | -405.09                           | 304.76     | 517.44               | 496.31                | 21.13                   | 24.486            |                    |         |
| 2,300.00   | 2,262.56            | 2,221.14            | 2,164.30            | 11.24           | 11.61       | 107.46                | -423.14                           | 324.12     | 542.42               | 520.34                | 22.09                   | 24.559            |                    |         |
| 2,400.00   | 2,360.20            | 2,317.97            | 2,257.45            | 11.73           | 12.13       | 107.48                | -441.18                           | 343.47     | 567.41               | 544.36                | 23.05                   | 24.620            |                    |         |
| 2,500.00   | 2,457.84            | 2,414.80            | 2,350.59            | 12.22           | 12.67       | 107.49                | -459.23                           | 362.82     | 592.39               | 568.38                | 24.01                   | 24.672            |                    |         |
| 2,600.00   | 2,555.48            | 2,511.63            | 2,443.73            | 12.71           | 13.20       | 107.51                | -477.28                           | 382.17     | 617.38               | 592.40                | 24.98                   | 24.715            |                    |         |
| 2,700.00   | 2,653.11            | 2,608.46            | 2,536.87            | 13.20           | 13.73       | 107.52                | -495.32                           | 401.53     | 642.36               | 616.41                | 25.95                   | 24.751            |                    |         |
| 2,800.00   | 2,750.75            | 2,705.29            | 2,630.02            | 13.70           | 14.27       | 107.53                | -513.37                           | 420.88     | 667.35               | 640.42                | 26.93                   | 24.782            |                    |         |
| 2,900.00   | 2,848.39            | 2,802.11            | 2,723.16            | 14.19           | 14.81       | 107.54                | -531.42                           | 440.23     | 692.33               | 664.42                | 27.91                   | 24.808            |                    |         |
| 3,000.00   | 2,946.02            | 2,898.94            | 2,816.30            | 14.69           | 15.35       | 107.55                | -549.47                           | 459.59     | 717.32               | 688.43                | 28.89                   | 24.830            |                    |         |
| 3,100.00   | 3,043.66            | 3,004.23            | 2,909.44            | 15.19           | 15.94       | 107.56                | -567.51                           | 478.94     | 742.30               | 712.38                | 29.92                   | 24.813            |                    |         |
| 3,200.00   | 3,141.30            | 3,107.40            | 3,002.59            | 15.69           | 16.51       | 107.57                | -585.56                           | 498.29     | 767.29               | 736.35                | 30.94                   | 24.803            |                    |         |
| 3,300.00   | 3,238.94            | 3,189.43            | 3,095.73            | 16.19           | 16.97       | 107.58                | -603.61                           | 517.65     | 792.27               | 760.42                | 31.85                   | 24.878            |                    |         |
| 3,400.00   | 3,336.57            | 3,286.26            | 3,188.87            | 16.69           | 17.51       | 107.58                | -621.65                           | 537.00     | 817.25               | 784.42                | 32.84                   | 24.889            |                    |         |
| 3,500.00   | 3,434.21            | 3,383.09            | 3,282.01            | 17.19           | 18.06       | 107.59                | -639.70                           | 556.35     | 842.24               | 808.41                | 33.83                   | 24.898            |                    |         |
| 3,600.00   | 3,531.85            | 3,479.91            | 3,375.15            | 17.69           | 18.60       | 107.60                | -657.75                           | 575.71     | 867.22               | 832.40                | 34.82                   | 24.906            |                    |         |
| 3,700.00   | 3,629.48            | 3,576.74            | 3,468.30            | 18.20           | 19.15       | 107.60                | -675.80                           | 595.06     | 892.21               | 856.40                | 35.81                   | 24.912            |                    |         |
| 3,800.00   | 3,727.12            | 3,673.57            | 3,561.44            | 18.70           | 19.69       | 107.61                | -693.84                           | 614.41     | 917.19               | 880.39                | 36.81                   | 24.918            |                    |         |
| 3,900.00   | 3,824.76            | 3,770.40            | 3,654.58            | 19.21           | 20.24       | 107.62                | -711.89                           | 633.76     | 942.18               | 904.37                | 37.81                   | 24.922            |                    |         |
| 4,000.00   | 3,922.40            | 3,867.23            | 3,747.72            | 19.71           | 20.79       | 107.62                | -729.94                           | 653.12     | 967.16               | 928.36                | 38.80                   | 24.925            |                    |         |
| 4,100.00   | 4,020.03            | 3,964.06            | 3,840.87            | 20.21           | 21.34       | 107.63                | -747.98                           | 672.47     | 992.15               | 952.35                | 39.80                   | 24.927            |                    |         |
| 4,200.00   | 4,117.67            | 4,060.88            | 3,934.01            | 20.72           | 21.88       | 107.63                | -766.03                           | 691.82     | 1,017.13             | 976.33                | 40.80                   | 24.929            |                    |         |
| 4,300.00   | 4,215.31            | 4,157.71            | 4,027.15            | 21.23           | 22.43       | 107.64                | -784.08                           | 711.18     | 1,042.12             | 1,000.32              | 41.80                   | 24.930            |                    |         |
| 4,400.00   | 4,312.94            | 4,254.54            | 4,120.29            | 21.73           | 22.98       | 107.64                | -802.12                           | 730.53     | 1,067.10             | 1,024.30              | 42.80                   | 24.931            |                    |         |
| 4,500.00   | 4,410.58            | 4,351.37            | 4,213.44            | 22.24           | 23.53       | 107.64                | -820.17                           | 749.88     | 1,092.09             | 1,048.28              | 43.80                   | 24.931            |                    |         |
| 4,600.00   | 4,508.22            | 4,448.20            | 4,306.58            | 22.75           | 24.08       | 107.65                | -838.22                           | 769.24     | 1,117.07             | 1,072.27              | 44.81                   | 24.931            |                    |         |
| 4,700.00   | 4,605.86            | 4,545.03            | 4,399.72            | 23.25           | 24.63       | 107.65                | -856.27                           | 788.59     | 1,142.06             | 1,096.25              | 45.81                   | 24.930            |                    |         |
| 4,800.00   | 4,703.49            | 4,641.86            | 4,492.86            | 23.76           | 25.18       | 107.66                | -874.31                           | 807.94     | 1,167.04             | 1,120.23              | 46.81                   | 24.929            |                    |         |
| 4,900.00   | 4,801.13            | 4,738.68            | 4,586.01            | 24.27           | 25.73       | 107.66                | -892.36                           | 827.30     | 1,192.03             | 1,144.21              | 47.82                   | 24.928            |                    |         |
| 5,000.00   | 4,898.77            | 4,835.51            | 4,679.15            | 24.77           | 26.28       | 107.66                | -910.41                           | 846.65     | 1,217.01             | 1,168.19              | 48.82                   | 24.927            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 4,932.34            | 4,772.29            | 25.28           | 26.83       | 107.67                | -928.45                           | 866.00     | 1,242.00             | 1,192.17              | 49.83                   | 24.925            |                    |         |
| 5,200.00                   | 5,094.04            | 5,029.17            | 4,865.43            | 25.79           | 27.38       | 107.67                | -946.50                           | 885.36     | 1,266.98             | 1,216.15              | 50.84                   | 24.923            |                    |         |
| 5,300.00                   | 5,191.68            | 5,126.00            | 4,958.58            | 26.30           | 27.93       | 107.67                | -964.55                           | 904.71     | 1,291.97             | 1,240.13              | 51.84                   | 24.921            |                    |         |
| 5,400.00                   | 5,289.32            | 5,222.83            | 5,051.72            | 26.81           | 28.48       | 107.68                | -982.60                           | 924.06     | 1,316.95             | 1,264.10              | 52.85                   | 24.919            |                    |         |
| 5,500.00                   | 5,386.95            | 5,319.65            | 5,144.86            | 27.32           | 29.03       | 107.68                | -1,000.64                         | 943.41     | 1,341.94             | 1,288.08              | 53.86                   | 24.917            |                    |         |
| 5,600.00                   | 5,484.59            | 5,416.48            | 5,238.00            | 27.83           | 29.58       | 107.68                | -1,018.69                         | 962.77     | 1,366.92             | 1,312.06              | 54.86                   | 24.915            |                    |         |
| 5,700.00                   | 5,582.23            | 5,513.31            | 5,331.15            | 28.33           | 30.14       | 107.68                | -1,036.74                         | 982.12     | 1,391.91             | 1,336.04              | 55.87                   | 24.912            |                    |         |
| 5,800.00                   | 5,679.87            | 5,610.14            | 5,424.29            | 28.84           | 30.69       | 107.69                | -1,054.78                         | 1,001.47   | 1,416.89             | 1,360.01              | 56.88                   | 24.910            |                    |         |
| 5,900.00                   | 5,777.50            | 5,706.97            | 5,517.43            | 29.35           | 31.24       | 107.69                | -1,072.83                         | 1,020.83   | 1,441.88             | 1,383.99              | 57.89                   | 24.908            |                    |         |
| 6,000.00                   | 5,875.14            | 5,803.80            | 5,610.57            | 29.86           | 31.79       | 107.69                | -1,090.88                         | 1,040.18   | 1,466.86             | 1,407.96              | 58.90                   | 24.905            |                    |         |
| 6,100.00                   | 5,972.78            | 5,900.63            | 5,703.72            | 30.37           | 32.34       | 107.69                | -1,108.92                         | 1,059.53   | 1,491.85             | 1,431.94              | 59.91                   | 24.902            |                    |         |
| 6,200.00                   | 6,070.41            | 5,997.45            | 5,796.86            | 30.88           | 32.90       | 107.69                | -1,126.97                         | 1,078.89   | 1,516.83             | 1,455.92              | 60.92                   | 24.900            |                    |         |
| 6,300.00                   | 6,168.05            | 6,105.72            | 5,890.00            | 31.39           | 33.51       | 107.70                | -1,145.02                         | 1,098.24   | 1,541.82             | 1,479.83              | 61.99                   | 24.873            |                    |         |
| 6,400.00                   | 6,265.69            | 6,191.11            | 5,983.14            | 31.90           | 34.00       | 107.70                | -1,163.07                         | 1,117.59   | 1,566.80             | 1,503.86              | 62.94                   | 24.894            |                    |         |
| 6,439.09                   | 6,303.85            | 6,228.96            | 6,019.55            | 32.10           | 34.22       | 107.70                | -1,170.12                         | 1,125.16   | 1,576.57             | 1,513.24              | 63.33                   | 24.893            |                    |         |
| 6,450.00                   | 6,314.53            | 6,239.52            | 6,029.71            | 32.16           | 34.28       | 109.42                | -1,172.09                         | 1,127.27   | 1,579.30             | 1,515.85              | 63.44                   | 24.893            |                    |         |
| 6,500.00                   | 6,363.83            | 6,287.85            | 6,076.20            | 32.39           | 34.55       | 121.89                | -1,181.10                         | 1,136.93   | 1,591.78             | 1,527.85              | 63.92                   | 24.902            |                    |         |
| 6,550.00                   | 6,413.58            | 6,335.81            | 6,122.33            | 32.60           | 34.83       | 155.38                | -1,190.03                         | 1,146.51   | 1,604.20             | 1,539.83              | 64.37                   | 24.923            |                    |         |
| 6,600.00                   | 6,463.45            | 6,383.11            | 6,167.83            | 32.79           | 35.10       | -143.01               | -1,198.85                         | 1,155.97   | 1,616.53             | 1,551.75              | 64.78                   | 24.955            |                    |         |
| 6,650.00                   | 6,513.15            | 6,429.46            | 6,212.42            | 32.97           | 35.36       | -114.87               | -1,207.49                         | 1,165.23   | 1,628.78             | 1,563.61              | 65.17                   | 24.994            |                    |         |
| 6,700.00                   | 6,562.37            | 6,474.57            | 6,255.81            | 33.15           | 35.62       | -104.33               | -1,215.90                         | 1,174.25   | 1,640.95             | 1,575.41              | 65.54                   | 25.037            |                    |         |
| 6,750.00                   | 6,610.80            | 6,518.17            | 6,297.75            | 33.34           | 35.87       | -99.07                | -1,224.02                         | 1,182.96   | 1,653.09             | 1,587.19              | 65.91                   | 25.083            |                    |         |
| 6,800.00                   | 6,658.14            | 6,561.07            | 6,339.12            | 33.53           | 36.11       | -95.92                | -1,232.04                         | 1,191.02   | 1,665.25             | 1,598.98              | 66.27                   | 25.130            |                    |         |
| 6,850.00                   | 6,704.11            | 6,605.60            | 6,382.48            | 33.74           | 36.34       | -93.80                | -1,240.42                         | 1,196.61   | 1,677.40             | 1,610.76              | 66.65                   | 25.168            |                    |         |
| 6,900.00                   | 6,748.42            | 6,651.93            | 6,427.89            | 33.97           | 36.55       | -92.27                | -1,249.18                         | 1,199.13   | 1,689.49             | 1,622.44              | 67.05                   | 25.197            |                    |         |
| 6,950.00                   | 6,790.79            | 6,700.38            | 6,475.45            | 34.21           | 36.73       | -91.14                | -1,258.33                         | 1,198.16   | 1,701.45             | 1,633.97              | 67.48                   | 25.215            |                    |         |
| 7,000.00                   | 6,830.97            | 6,751.31            | 6,525.21            | 34.48           | 36.90       | -90.28                | -1,267.88                         | 1,193.17   | 1,713.21             | 1,645.26              | 67.94                   | 25.215            |                    |         |
| 7,050.00                   | 6,868.71            | 6,805.12            | 6,577.20            | 34.77           | 37.06       | -89.63                | -1,277.83                         | 1,183.52   | 1,724.68             | 1,656.23              | 68.45                   | 25.194            |                    |         |
| 7,100.00                   | 6,903.77            | 6,862.32            | 6,631.36            | 35.09           | 37.22       | -89.18                | -1,288.17                         | 1,168.41   | 1,735.79             | 1,666.76              | 69.02                   | 25.148            |                    |         |
| 7,150.00                   | 6,935.93            | 6,923.43            | 6,687.51            | 35.44           | 37.39       | -88.87                | -1,298.85                         | 1,146.86   | 1,746.42             | 1,676.77              | 69.66                   | 25.072            |                    |         |
| 7,200.00                   | 6,965.01            | 6,989.05            | 6,745.26            | 35.83           | 37.58       | -88.72                | -1,309.80                         | 1,117.74   | 1,756.47             | 1,686.11              | 70.36                   | 24.963            |                    |         |
| 7,250.00                   | 6,990.82            | 7,059.81            | 6,803.88            | 36.26           | 37.80       | -88.69                | -1,320.86                         | 1,079.75   | 1,765.80             | 1,694.65              | 71.16                   | 24.816            |                    |         |
| 7,300.00                   | 7,013.20            | 7,136.30            | 6,862.17            | 36.72           | 38.07       | -88.77                | -1,331.80                         | 1,031.53   | 1,774.27             | 1,702.21              | 72.06                   | 24.623            |                    |         |
| 7,350.00                   | 7,032.02            | 7,218.96            | 6,918.29            | 37.23           | 38.42       | -88.94                | -1,342.25                         | 971.83     | 1,781.70             | 1,708.60              | 73.10                   | 24.374            |                    |         |
| 7,400.00                   | 7,047.15            | 7,307.98            | 6,969.71            | 37.77           | 38.89       | -89.17                | -1,351.72                         | 899.87     | 1,787.92             | 1,713.59              | 74.32                   | 24.056            |                    |         |
| 7,450.00                   | 7,058.51            | 7,403.09            | 7,013.18            | 38.34           | 39.50       | -89.42                | -1,359.60                         | 815.75     | 1,792.73             | 1,716.95              | 75.78                   | 23.657            |                    |         |
| 7,500.00                   | 7,066.02            | 7,503.39            | 7,045.18            | 38.95           | 40.29       | -89.64                | -1,365.20                         | 720.95     | 1,795.97             | 1,718.47              | 77.50                   | 23.174            |                    |         |
| 7,550.00                   | 7,069.64            | 7,607.32            | 7,062.52            | 39.58           | 41.28       | -89.80                | -1,367.93                         | 618.63     | 1,797.49             | 1,718.03              | 79.46                   | 22.622            |                    |         |
| 7,571.20                   | 7,070.00            | 7,651.96            | 7,064.89            | 39.85           | 41.75       | -89.84                | -1,368.12                         | 574.07     | 1,797.60             | 1,717.25              | 80.35                   | 22.373            |                    |         |
| 7,600.00                   | 7,070.00            | 7,685.99            | 7,065.08            | 40.23           | 42.13       | -89.84                | -1,367.96                         | 540.04     | 1,797.44             | 1,716.26              | 81.18                   | 22.142            |                    |         |
| 7,700.00                   | 7,070.01            | 7,785.99            | 7,065.42            | 41.64           | 43.35       | -89.85                | -1,367.44                         | 440.05     | 1,796.88             | 1,712.89              | 83.99                   | 21.393            |                    |         |
| 7,800.00                   | 7,070.02            | 7,885.98            | 7,065.77            | 43.20           | 44.74       | -89.86                | -1,366.91                         | 340.05     | 1,796.32             | 1,709.24              | 87.09                   | 20.627            |                    |         |
| 7,900.00                   | 7,070.03            | 7,985.98            | 7,066.11            | 44.89           | 46.28       | -89.88                | -1,366.39                         | 240.05     | 1,795.76             | 1,705.33              | 90.44                   | 19.856            |                    |         |
| 8,000.00                   | 7,070.04            | 8,085.98            | 7,066.46            | 46.69           | 47.95       | -89.89                | -1,365.86                         | 140.06     | 1,795.21             | 1,701.19              | 94.02                   | 19.094            |                    |         |
| 8,100.00                   | 7,070.05            | 8,185.98            | 7,066.80            | 48.60           | 49.75       | -89.90                | -1,365.34                         | 40.06      | 1,794.65             | 1,696.85              | 97.80                   | 18.350            |                    |         |
| 8,200.00                   | 7,070.05            | 8,285.97            | 7,067.14            | 50.59           | 51.65       | -89.91                | -1,364.81                         | -59.93     | 1,794.09             | 1,692.32              | 101.77                  | 17.630            |                    |         |
| 8,300.00                   | 7,070.06            | 8,385.97            | 7,067.49            | 52.66           | 53.64       | -89.92                | -1,364.29                         | -159.93    | 1,793.53             | 1,687.64              | 105.89                  | 16.937            |                    |         |
| 8,400.00                   | 7,070.07            | 8,485.97            | 7,067.83            | 54.81           | 55.71       | -89.93                | -1,363.76                         | -259.93    | 1,792.97             | 1,682.81              | 110.16                  | 16.276            |                    |         |
| 8,500.00                   | 7,070.08            | 8,585.97            | 7,068.17            | 57.02           | 57.86       | -89.94                | -1,363.24                         | -359.92    | 1,792.41             | 1,677.86              | 114.55                  | 15.647            |                    |         |
| 8,600.00                   | 7,070.09            | 8,685.97            | 7,068.52            | 59.28           | 60.07       | -89.95                | -1,362.72                         | -459.92    | 1,791.85             | 1,672.79              | 119.06                  | 15.050            |                    |         |
| 8,700.00                   | 7,070.10            | 8,785.96            | 7,068.86            | 61.60           | 62.33       | -89.96                | -1,362.19                         | -559.91    | 1,791.30             | 1,667.62              | 123.67                  | 14.484            |                    |         |
| 8,800.00                   | 7,070.11            | 8,885.96            | 7,069.21            | 63.95           | 64.65       | -89.97                | -1,361.67                         | -659.91    | 1,790.74             | 1,662.37              | 128.37                  | 13.950            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00   | 7,070.12            | 8,985.96            | 7,069.55            | 66.35           | 67.01       | -89.98                | -1,361.14                         | -759.90    | 1,790.18             | 1,657.03              | 133.15                  | 13.445            |                    |         |
| 9,000.00   | 7,070.13            | 9,085.96            | 7,069.89            | 68.79           | 69.41       | -89.99                | -1,360.62                         | -859.90    | 1,789.62             | 1,651.62              | 138.00                  | 12.969            |                    |         |
| 9,100.00   | 7,070.13            | 9,185.96            | 7,070.24            | 71.25           | 71.84       | -90.00                | -1,360.09                         | -959.90    | 1,789.06             | 1,646.15              | 142.91                  | 12.519            |                    |         |
| 9,200.00   | 7,070.14            | 9,285.95            | 7,070.58            | 73.74           | 74.30       | -90.01                | -1,359.57                         | -1,059.89  | 1,788.50             | 1,640.62              | 147.88                  | 12.094            |                    |         |
| 9,300.00   | 7,070.15            | 9,385.95            | 7,070.92            | 76.26           | 76.80       | -90.02                | -1,359.04                         | -1,159.89  | 1,787.95             | 1,635.04              | 152.91                  | 11.693            |                    |         |
| 9,400.00   | 7,070.16            | 9,485.95            | 7,071.27            | 78.80           | 79.32       | -90.04                | -1,358.52                         | -1,259.88  | 1,787.39             | 1,629.41              | 157.98                  | 11.314            |                    |         |
| 9,500.00   | 7,070.17            | 9,585.95            | 7,071.61            | 81.37           | 81.86       | -90.05                | -1,358.00                         | -1,359.88  | 1,786.83             | 1,623.74              | 163.09                  | 10.956            |                    |         |
| 9,600.00   | 7,070.18            | 9,685.95            | 7,071.95            | 83.95           | 84.42       | -90.06                | -1,357.47                         | -1,459.88  | 1,786.27             | 1,618.02              | 168.25                  | 10.617            |                    |         |
| 9,700.00   | 7,070.19            | 9,785.94            | 7,072.30            | 86.55           | 87.00       | -90.07                | -1,356.95                         | -1,559.87  | 1,785.71             | 1,612.28              | 173.44                  | 10.296            |                    |         |
| 9,800.00   | 7,070.20            | 9,885.94            | 7,072.64            | 89.17           | 89.60       | -90.08                | -1,356.42                         | -1,659.87  | 1,785.16             | 1,606.50              | 178.66                  | 9.992             |                    |         |
| 9,900.00   | 7,070.21            | 9,985.94            | 7,072.99            | 91.80           | 92.22       | -90.09                | -1,355.90                         | -1,759.86  | 1,784.60             | 1,600.69              | 183.91                  | 9.704             |                    |         |
| 10,000.00  | 7,070.21            | 10,085.94           | 7,073.33            | 94.44           | 94.85       | -90.10                | -1,355.37                         | -1,859.86  | 1,784.04             | 1,594.85              | 189.19                  | 9.430             |                    |         |
| 10,100.00  | 7,070.22            | 10,185.93           | 7,073.67            | 97.10           | 97.49       | -90.11                | -1,354.85                         | -1,959.86  | 1,783.48             | 1,588.99              | 194.50                  | 9.170             |                    |         |
| 10,200.00  | 7,070.23            | 10,285.93           | 7,074.02            | 99.77           | 100.15      | -90.12                | -1,354.32                         | -2,059.85  | 1,782.93             | 1,583.10              | 199.82                  | 8.923             |                    |         |
| 10,300.00  | 7,070.24            | 10,385.93           | 7,074.36            | 102.44          | 102.81      | -90.13                | -1,353.80                         | -2,159.85  | 1,782.37             | 1,577.20              | 205.17                  | 8.687             |                    |         |
| 10,400.00  | 7,070.25            | 10,485.93           | 7,074.70            | 105.13          | 105.49      | -90.14                | -1,353.27                         | -2,259.84  | 1,781.81             | 1,571.27              | 210.54                  | 8.463             |                    |         |
| 10,500.00  | 7,070.26            | 10,585.93           | 7,075.05            | 107.83          | 108.18      | -90.15                | -1,352.75                         | -2,359.84  | 1,781.25             | 1,565.33              | 215.92                  | 8.249             |                    |         |
| 10,600.00  | 7,070.27            | 10,685.92           | 7,075.39            | 110.53          | 110.87      | -90.16                | -1,352.23                         | -2,459.84  | 1,780.70             | 1,559.37              | 221.33                  | 8.046             |                    |         |
| 10,700.00  | 7,070.28            | 10,785.92           | 7,075.74            | 113.24          | 113.58      | -90.18                | -1,351.70                         | -2,559.83  | 1,780.14             | 1,553.39              | 226.75                  | 7.851             |                    |         |
| 10,800.00  | 7,070.28            | 10,885.92           | 7,076.08            | 115.96          | 116.29      | -90.19                | -1,351.18                         | -2,659.83  | 1,779.58             | 1,547.40              | 232.18                  | 7.665             |                    |         |
| 10,900.00  | 7,070.29            | 10,985.92           | 7,076.42            | 118.69          | 119.00      | -90.20                | -1,350.65                         | -2,759.82  | 1,779.03             | 1,541.40              | 237.62                  | 7.487             |                    |         |
| 11,000.00  | 7,070.30            | 11,085.92           | 7,076.77            | 121.42          | 121.73      | -90.21                | -1,350.13                         | -2,859.82  | 1,778.47             | 1,535.38              | 243.08                  | 7.316             |                    |         |
| 11,100.00  | 7,070.31            | 11,185.91           | 7,077.11            | 124.16          | 124.46      | -90.22                | -1,349.60                         | -2,959.81  | 1,777.91             | 1,529.36              | 248.55                  | 7.153             |                    |         |
| 11,200.00  | 7,070.32            | 11,285.91           | 7,077.45            | 126.90          | 127.20      | -90.23                | -1,349.08                         | -3,059.81  | 1,777.35             | 1,523.32              | 254.04                  | 6.996             |                    |         |
| 11,300.00  | 7,070.33            | 11,385.91           | 7,077.80            | 129.65          | 129.94      | -90.24                | -1,348.55                         | -3,159.81  | 1,776.80             | 1,517.27              | 259.53                  | 6.846             |                    |         |
| 11,400.00  | 7,070.34            | 11,485.91           | 7,078.14            | 132.40          | 132.69      | -90.25                | -1,348.03                         | -3,259.80  | 1,776.24             | 1,511.21              | 265.03                  | 6.702             |                    |         |
| 11,500.00  | 7,070.35            | 11,585.90           | 7,078.48            | 135.16          | 135.44      | -90.26                | -1,347.51                         | -3,359.80  | 1,775.68             | 1,505.14              | 270.54                  | 6.563             |                    |         |
| 11,600.00  | 7,070.36            | 11,685.90           | 7,078.83            | 137.92          | 138.20      | -90.27                | -1,346.98                         | -3,459.79  | 1,775.13             | 1,499.07              | 276.06                  | 6.430             |                    |         |
| 11,700.00  | 7,070.36            | 11,785.90           | 7,079.17            | 140.69          | 140.96      | -90.28                | -1,346.46                         | -3,559.79  | 1,774.57             | 1,492.98              | 281.59                  | 6.302             |                    |         |
| 11,800.00  | 7,070.37            | 11,885.90           | 7,079.52            | 143.46          | 143.72      | -90.30                | -1,345.93                         | -3,659.79  | 1,774.01             | 1,486.89              | 287.12                  | 6.179             |                    |         |
| 11,900.00  | 7,070.38            | 11,985.90           | 7,079.86            | 146.23          | 146.49      | -90.31                | -1,345.41                         | -3,759.78  | 1,773.46             | 1,480.79              | 292.67                  | 6.060             |                    |         |
| 12,000.00  | 7,070.39            | 12,085.89           | 7,080.20            | 149.01          | 149.26      | -90.32                | -1,344.88                         | -3,859.78  | 1,772.90             | 1,474.69              | 298.21                  | 5.945             |                    |         |
| 12,100.00  | 7,070.40            | 12,185.89           | 7,080.55            | 151.79          | 152.04      | -90.33                | -1,344.36                         | -3,959.77  | 1,772.35             | 1,468.58              | 303.77                  | 5.834             |                    |         |
| 12,200.00  | 7,070.41            | 12,285.89           | 7,080.89            | 154.57          | 154.82      | -90.34                | -1,343.83                         | -4,059.77  | 1,771.79             | 1,462.46              | 309.33                  | 5.728             |                    |         |
| 12,300.00  | 7,070.42            | 12,385.89           | 7,081.23            | 157.35          | 157.60      | -90.35                | -1,343.31                         | -4,159.77  | 1,771.23             | 1,456.33              | 314.90                  | 5.625             |                    |         |
| 12,400.00  | 7,070.43            | 12,485.89           | 7,081.58            | 160.14          | 160.39      | -90.36                | -1,342.79                         | -4,259.76  | 1,770.68             | 1,450.21              | 320.47                  | 5.525             |                    |         |
| 12,500.00  | 7,070.44            | 12,585.88           | 7,081.92            | 162.93          | 163.17      | -90.37                | -1,342.26                         | -4,359.76  | 1,770.12             | 1,444.07              | 326.05                  | 5.429             |                    |         |
| 12,600.00  | 7,070.44            | 12,685.88           | 7,082.27            | 165.72          | 165.96      | -90.38                | -1,341.74                         | -4,459.75  | 1,769.56             | 1,437.93              | 331.63                  | 5.336             |                    |         |
| 12,700.00  | 7,070.45            | 12,785.88           | 7,082.61            | 168.52          | 168.75      | -90.39                | -1,341.21                         | -4,559.75  | 1,769.01             | 1,431.79              | 337.22                  | 5.246             |                    |         |
| 12,800.00  | 7,070.46            | 12,885.88           | 7,082.95            | 171.32          | 171.55      | -90.40                | -1,340.69                         | -4,659.75  | 1,768.45             | 1,425.64              | 342.81                  | 5.159             |                    |         |
| 12,900.00  | 7,070.47            | 12,985.88           | 7,083.30            | 174.11          | 174.35      | -90.42                | -1,340.16                         | -4,759.74  | 1,767.90             | 1,419.49              | 348.41                  | 5.074             |                    |         |
| 13,000.00  | 7,070.48            | 13,085.87           | 7,083.64            | 176.92          | 177.14      | -90.43                | -1,339.64                         | -4,859.74  | 1,767.34             | 1,413.34              | 354.01                  | 4.992             |                    |         |
| 13,100.00  | 7,070.49            | 13,185.87           | 7,083.98            | 179.72          | 179.95      | -90.44                | -1,339.11                         | -4,959.73  | 1,766.79             | 1,407.18              | 359.61                  | 4.913             |                    |         |
| 13,200.00  | 7,070.50            | 13,285.87           | 7,084.33            | 182.52          | 182.75      | -90.45                | -1,338.59                         | -5,059.73  | 1,766.23             | 1,401.01              | 365.22                  | 4.836             |                    |         |
| 13,300.00  | 7,070.51            | 13,385.87           | 7,084.67            | 185.33          | 185.55      | -90.46                | -1,338.06                         | -5,159.73  | 1,765.68             | 1,394.85              | 370.83                  | 4.761             |                    |         |
| 13,400.00  | 7,070.52            | 13,485.86           | 7,085.01            | 188.14          | 188.36      | -90.47                | -1,337.54                         | -5,259.72  | 1,765.12             | 1,388.68              | 376.44                  | 4.689             |                    |         |
| 13,500.00  | 7,070.52            | 13,585.86           | 7,085.36            | 190.95          | 191.17      | -90.48                | -1,337.02                         | -5,359.72  | 1,764.56             | 1,382.51              | 382.06                  | 4.619             |                    |         |
| 13,600.00  | 7,070.53            | 13,685.86           | 7,085.70            | 193.76          | 193.98      | -90.49                | -1,336.49                         | -5,459.71  | 1,764.01             | 1,376.33              | 387.68                  | 4.550             |                    |         |
| 13,700.00  | 7,070.54            | 13,785.86           | 7,086.05            | 196.57          | 196.79      | -90.50                | -1,335.97                         | -5,559.71  | 1,763.45             | 1,370.15              | 393.30                  | 4.484             |                    |         |
| 13,800.00  | 7,070.55            | 13,885.86           | 7,086.39            | 199.38          | 199.60      | -90.51                | -1,335.44                         | -5,659.70  | 1,762.90             | 1,363.97              | 398.93                  | 4.419             |                    |         |
| 13,900.00  | 7,070.56            | 13,985.85           | 7,086.73            | 202.20          | 202.41      | -90.53                | -1,334.92                         | -5,759.70  | 1,762.34             | 1,357.79              | 404.55                  | 4.356             |                    |         |
| 14,000.00  | 7,070.57            | 14,085.85           | 7,087.08            | 205.01          | 205.23      | -90.54                | -1,334.39                         | -5,859.70  | 1,761.79             | 1,351.60              | 410.18                  | 4.295             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00  | 7,070.58            | 14,185.85           | 7,087.42            | 207.83          | 208.04      | -90.55                | -1,333.87                         | -5,959.69  | 1,761.23             | 1,345.42              | 415.82                  | 4.236             |                    |         |
| 14,200.00  | 7,070.59            | 14,285.85           | 7,087.76            | 210.65          | 210.86      | -90.56                | -1,333.34                         | -6,059.69  | 1,760.68             | 1,339.23              | 421.45                  | 4.178             |                    |         |
| 14,300.00  | 7,070.60            | 14,385.85           | 7,088.11            | 213.47          | 213.68      | -90.57                | -1,332.82                         | -6,159.68  | 1,760.12             | 1,333.03              | 427.09                  | 4.121             |                    |         |
| 14,400.00  | 7,070.60            | 14,485.84           | 7,088.45            | 216.29          | 216.50      | -90.58                | -1,332.30                         | -6,259.68  | 1,759.57             | 1,326.84              | 432.73                  | 4.066             |                    |         |
| 14,500.00  | 7,070.61            | 14,585.84           | 7,088.80            | 219.11          | 219.32      | -90.59                | -1,331.77                         | -6,359.68  | 1,759.01             | 1,320.64              | 438.37                  | 4.013             |                    |         |
| 14,600.00  | 7,070.62            | 14,685.84           | 7,089.14            | 221.94          | 222.14      | -90.60                | -1,331.25                         | -6,459.67  | 1,758.46             | 1,314.44              | 444.02                  | 3.960             |                    |         |
| 14,700.00  | 7,070.63            | 14,785.84           | 7,089.48            | 224.76          | 224.97      | -90.61                | -1,330.72                         | -6,559.67  | 1,757.90             | 1,308.24              | 449.66                  | 3.909             |                    |         |
| 14,800.00  | 7,070.64            | 14,885.84           | 7,089.83            | 227.58          | 227.79      | -90.63                | -1,330.20                         | -6,659.66  | 1,757.35             | 1,302.04              | 455.31                  | 3.860             |                    |         |
| 14,900.00  | 7,070.65            | 14,985.83           | 7,090.17            | 230.41          | 230.62      | -90.64                | -1,329.67                         | -6,759.66  | 1,756.80             | 1,295.84              | 460.96                  | 3.811             |                    |         |
| 15,000.00  | 7,070.66            | 15,085.83           | 7,090.51            | 233.24          | 233.44      | -90.65                | -1,329.15                         | -6,859.66  | 1,756.24             | 1,289.63              | 466.61                  | 3.764             |                    |         |
| 15,100.00  | 7,070.67            | 15,185.83           | 7,090.86            | 236.06          | 236.27      | -90.66                | -1,328.62                         | -6,959.65  | 1,755.69             | 1,283.42              | 472.26                  | 3.718             |                    |         |
| 15,167.07  | 7,070.67            | 15,243.17           | 7,091.05            | 237.96          | 237.89      | -90.67                | -1,328.37                         | -7,016.99  | 1,755.39             | 1,279.62              | 475.77                  | 3.690             |                    |         |
| 15,200.00  | 7,070.68            | 15,263.59           | 7,091.13            | 238.89          | 238.46      | -90.67                | -1,328.45                         | -7,037.41  | 1,755.50             | 1,278.27              | 477.24                  | 3.678             |                    |         |
| 15,300.00  | 7,070.68            | 15,328.18           | 7,091.34            | 241.72          | 240.29      | -90.67                | -1,329.56                         | -7,098.77  | 1,757.30             | 1,275.67              | 481.62                  | 3.649             |                    |         |
| 15,400.00  | 7,070.69            | 15,424.92           | 7,091.69            | 244.55          | 243.01      | -90.68                | -1,332.50                         | -7,198.68  | 1,760.21             | 1,273.03              | 487.17                  | 3.613             |                    |         |
| 15,500.00  | 7,070.70            | 15,524.87           | 7,092.04            | 247.38          | 245.82      | -90.69                | -1,335.44                         | -7,298.60  | 1,763.12             | 1,270.30              | 492.82                  | 3.578             |                    |         |
| 15,600.00  | 7,070.71            | 15,624.83           | 7,092.39            | 250.21          | 248.63      | -90.70                | -1,338.38                         | -7,398.51  | 1,766.03             | 1,267.57              | 498.46                  | 3.543             |                    |         |
| 15,700.00  | 7,070.72            | 15,724.79           | 7,092.75            | 253.04          | 251.45      | -90.71                | -1,341.32                         | -7,498.42  | 1,768.94             | 1,264.83              | 504.11                  | 3.509             |                    |         |
| 15,800.00  | 7,070.73            | 15,824.74           | 7,093.10            | 255.87          | 254.26      | -90.72                | -1,344.26                         | -7,598.34  | 1,771.85             | 1,262.10              | 509.76                  | 3.476             |                    |         |
| 15,900.00  | 7,070.74            | 15,924.70           | 7,093.45            | 258.71          | 257.08      | -90.73                | -1,347.19                         | -7,698.25  | 1,774.76             | 1,259.36              | 515.40                  | 3.443             |                    |         |
| 16,000.00  | 7,070.75            | 16,024.66           | 7,093.80            | 261.54          | 259.89      | -90.74                | -1,350.13                         | -7,798.16  | 1,777.67             | 1,256.62              | 521.05                  | 3.412             |                    |         |
| 16,100.00  | 7,070.76            | 16,124.62           | 7,094.15            | 264.37          | 262.71      | -90.75                | -1,353.07                         | -7,898.08  | 1,780.59             | 1,253.88              | 526.70                  | 3.381             |                    |         |
| 16,200.00  | 7,070.76            | 16,224.57           | 7,094.50            | 267.21          | 265.53      | -90.76                | -1,356.01                         | -7,997.99  | 1,783.50             | 1,251.14              | 532.36                  | 3.350             |                    |         |
| 16,300.00  | 7,070.77            | 16,324.53           | 7,094.86            | 270.04          | 268.35      | -90.77                | -1,358.95                         | -8,097.90  | 1,786.41             | 1,248.40              | 538.01                  | 3.320             |                    |         |
| 16,400.00  | 7,070.78            | 16,424.49           | 7,095.21            | 272.88          | 271.17      | -90.78                | -1,361.89                         | -8,197.82  | 1,789.32             | 1,245.65              | 543.66                  | 3.291             |                    |         |
| 16,500.00  | 7,070.79            | 16,524.44           | 7,095.56            | 275.71          | 273.99      | -90.79                | -1,364.83                         | -8,297.73  | 1,792.23             | 1,242.91              | 549.32                  | 3.263             |                    |         |
| 16,600.00  | 7,070.80            | 16,624.40           | 7,095.91            | 278.55          | 276.81      | -90.80                | -1,367.77                         | -8,397.64  | 1,795.14             | 1,240.17              | 554.98                  | 3.235             |                    |         |
| 16,700.00  | 7,070.81            | 16,724.36           | 7,096.26            | 281.39          | 279.63      | -90.81                | -1,370.71                         | -8,497.56  | 1,798.05             | 1,237.42              | 560.63                  | 3.207             |                    |         |
| 16,800.00  | 7,070.82            | 16,824.32           | 7,096.61            | 284.22          | 282.45      | -90.82                | -1,373.65                         | -8,597.47  | 1,800.97             | 1,234.67              | 566.29                  | 3.180             |                    |         |
| 16,900.00  | 7,070.83            | 16,924.27           | 7,096.96            | 287.06          | 285.27      | -90.83                | -1,376.59                         | -8,697.38  | 1,803.88             | 1,231.93              | 571.95                  | 3.154             |                    |         |
| 17,000.00  | 7,070.84            | 17,024.23           | 7,097.32            | 289.90          | 288.09      | -90.84                | -1,379.53                         | -8,797.30  | 1,806.79             | 1,229.18              | 577.61                  | 3.128             |                    |         |
| 17,100.00  | 7,070.84            | 17,124.19           | 7,097.67            | 292.74          | 290.92      | -90.85                | -1,382.47                         | -8,897.21  | 1,809.70             | 1,226.43              | 583.27                  | 3.103             |                    |         |
| 17,200.00  | 7,070.85            | 17,224.14           | 7,098.02            | 295.58          | 293.74      | -90.86                | -1,385.41                         | -8,997.12  | 1,812.61             | 1,223.68              | 588.93                  | 3.078             |                    |         |
| 17,300.00  | 7,070.86            | 17,324.10           | 7,098.37            | 298.42          | 296.56      | -90.87                | -1,388.34                         | -9,097.04  | 1,815.52             | 1,220.93              | 594.60                  | 3.053             |                    |         |
| 17,400.00  | 7,070.87            | 17,424.06           | 7,098.72            | 301.26          | 299.39      | -90.88                | -1,391.28                         | -9,196.95  | 1,818.44             | 1,218.18              | 600.26                  | 3.029             |                    |         |
| 17,500.00  | 7,070.88            | 17,524.02           | 7,099.07            | 304.10          | 302.21      | -90.89                | -1,394.22                         | -9,296.86  | 1,821.35             | 1,215.42              | 605.92                  | 3.006             |                    |         |
| 17,600.00  | 7,070.89            | 17,623.97           | 7,099.43            | 306.94          | 305.04      | -90.90                | -1,397.16                         | -9,396.78  | 1,824.26             | 1,212.67              | 611.59                  | 2.983             |                    |         |
| 17,700.00  | 7,070.90            | 17,723.93           | 7,099.78            | 309.78          | 307.86      | -90.91                | -1,400.10                         | -9,496.69  | 1,827.17             | 1,209.92              | 617.25                  | 2.960             |                    |         |
| 17,800.00  | 7,070.91            | 17,823.89           | 7,100.13            | 312.62          | 310.69      | -90.92                | -1,403.04                         | -9,596.60  | 1,830.08             | 1,207.16              | 622.92                  | 2.938             |                    |         |
| 17,900.00  | 7,070.92            | 17,923.85           | 7,100.48            | 315.46          | 313.52      | -90.92                | -1,405.98                         | -9,696.51  | 1,833.00             | 1,204.41              | 628.59                  | 2.916             |                    |         |
| 18,000.00  | 7,070.92            | 18,023.80           | 7,100.83            | 318.31          | 316.34      | -90.93                | -1,408.92                         | -9,796.43  | 1,835.91             | 1,201.65              | 634.26                  | 2.895             |                    |         |
| 18,100.00  | 7,070.93            | 18,123.76           | 7,101.18            | 321.15          | 319.17      | -90.94                | -1,411.86                         | -9,896.34  | 1,838.82             | 1,198.90              | 639.92                  | 2.873             |                    |         |
| 18,200.00  | 7,070.94            | 18,223.72           | 7,101.54            | 323.99          | 322.00      | -90.95                | -1,414.80                         | -9,996.25  | 1,841.73             | 1,196.14              | 645.59                  | 2.853             |                    |         |
| 18,300.00  | 7,070.95            | 18,323.67           | 7,101.89            | 326.83          | 324.83      | -90.96                | -1,417.74                         | -10,096.17 | 1,844.64             | 1,193.38              | 651.26                  | 2.832             |                    |         |
| 18,400.00  | 7,070.96            | 18,423.63           | 7,102.24            | 329.68          | 327.66      | -90.97                | -1,420.68                         | -10,196.08 | 1,847.56             | 1,190.62              | 656.93                  | 2.812             |                    |         |
| 18,500.00  | 7,070.97            | 18,523.59           | 7,102.59            | 332.52          | 330.48      | -90.98                | -1,423.62                         | -10,295.99 | 1,850.47             | 1,187.87              | 662.60                  | 2.793             |                    |         |
| 18,600.00  | 7,070.98            | 18,623.55           | 7,102.94            | 335.36          | 333.31      | -90.99                | -1,426.56                         | -10,395.91 | 1,853.38             | 1,185.11              | 668.27                  | 2.773             |                    |         |
| 18,700.00  | 7,070.99            | 18,723.50           | 7,103.29            | 338.21          | 336.14      | -91.00                | -1,429.50                         | -10,495.82 | 1,856.29             | 1,182.35              | 673.95                  | 2.754             |                    |         |
| 18,800.00  | 7,070.99            | 18,823.46           | 7,103.64            | 341.05          | 338.97      | -91.01                | -1,432.43                         | -10,595.73 | 1,859.21             | 1,179.59              | 679.62                  | 2.736             |                    |         |
| 18,858.54  | 7,071.00            | 18,881.97           | 7,103.85            | 342.72          | 340.63      | -91.01                | -1,434.16                         | -10,654.22 | 1,860.91             | 1,177.97              | 682.94                  | 2.725 SF          |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             | Highside Toolface (°) | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) |                       | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00   | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.47               | -179.96                           | -1.67      | 179.97               |                       |                         |                   |                    |         |
| 100.00   | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.47               | -179.96                           | -1.67      | 179.97               | 173.40                | 6.57                    | 27.395            |                    |         |
| 200.00   | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.47               | -179.96                           | -1.67      | 179.97               | 173.30                | 6.67                    | 26.966            | CC, ES             |         |
| 300.00   | 300.00              | 295.05              | 295.03              | 3.44            | 3.43        | -179.75               | -181.27                           | -0.79      | 181.34               | 174.45                | 6.89                    | 26.335            |                    |         |
| 400.00   | 399.98              | 389.90              | 389.76              | 3.60            | 3.58        | 107.33                | -185.18                           | 1.85       | 185.98               | 178.78                | 7.20                    | 25.831            |                    |         |
| 500.00   | 499.84              | 484.34              | 483.88              | 3.80            | 3.76        | 107.27                | -191.64                           | 6.23       | 194.40               | 186.79                | 7.61                    | 25.561            |                    |         |
| 600.00   | 599.45              | 578.16              | 577.06              | 4.04            | 3.98        | 107.53                | -200.61                           | 12.29      | 206.57               | 198.48                | 8.09                    | 25.540            |                    |         |
| 700.00   | 698.70              | 671.14              | 669.02              | 4.32            | 4.23        | 108.02                | -211.99                           | 19.98      | 222.46               | 213.83                | 8.63                    | 25.765            |                    |         |
| 800.00   | 797.47              | 763.07              | 759.45              | 4.63            | 4.52        | 108.66                | -225.66                           | 29.22      | 242.07               | 232.84                | 9.23                    | 26.221            |                    |         |
| 900.00   | 895.62              | 853.76              | 848.10              | 4.97            | 4.84        | 109.36                | -241.50                           | 39.92      | 265.36               | 255.49                | 9.87                    | 26.885            |                    |         |
| 924.00   | 919.08              | 875.33              | 869.09              | 5.06            | 4.92        | 109.53                | -245.61                           | 42.70      | 271.50               | 261.47                | 10.03                   | 27.067            |                    |         |
| 1,000.00   | 993.28              | 943.19              | 934.88              | 5.34            | 5.18        | 110.29                | -259.38                           | 52.01      | 291.97               | 281.42                | 10.55                   | 27.683            |                    |         |
| 1,100.00   | 1,090.92            | 1,031.50            | 1,019.87            | 5.73            | 5.55        | 110.85                | -279.24                           | 65.43      | 321.00               | 309.75                | 11.25                   | 28.537            |                    |         |
| 1,200.00   | 1,188.56            | 1,118.57            | 1,102.91            | 6.15            | 5.94        | 111.03                | -300.93                           | 80.09      | 352.30               | 340.33                | 11.97                   | 29.429            |                    |         |
| 1,300.00   | 1,286.19            | 1,204.71            | 1,184.24            | 6.57            | 6.36        | 110.91                | -324.44                           | 95.98      | 385.80               | 373.09                | 12.71                   | 30.353            |                    |         |
| 1,400.00   | 1,383.83            | 1,301.43            | 1,272.44            | 7.01            | 6.86        | 110.69                | -351.03                           | 113.96     | 420.29               | 406.75                | 13.53                   | 31.057            |                    |         |
| 1,500.00   | 1,481.47            | 1,407.58            | 1,360.63            | 7.46            | 7.42        | 110.51                | -377.63                           | 131.93     | 454.77               | 440.35                | 14.43                   | 31.523            |                    |         |
| 1,600.00   | 1,579.10            | 1,486.28            | 1,448.83            | 7.91            | 7.85        | 110.34                | -404.22                           | 149.91     | 489.27               | 474.05                | 15.21                   | 32.163            |                    |         |
| 1,700.00   | 1,676.74            | 1,580.13            | 1,537.02            | 8.37            | 8.38        | 110.20                | -430.82                           | 167.88     | 523.76               | 507.67                | 16.09                   | 32.557            |                    |         |
| 1,800.00   | 1,774.38            | 1,673.99            | 1,625.22            | 8.84            | 8.92        | 110.08                | -457.41                           | 185.86     | 558.26               | 541.28                | 16.98                   | 32.880            |                    |         |
| 1,900.00   | 1,872.02            | 1,767.84            | 1,713.41            | 9.31            | 9.46        | 109.97                | -484.01                           | 203.84     | 592.76               | 574.88                | 17.88                   | 33.147            |                    |         |
| 2,000.00   | 1,969.65            | 1,861.70            | 1,801.61            | 9.79            | 10.01       | 109.88                | -510.60                           | 221.81     | 627.26               | 608.46                | 18.80                   | 33.368            |                    |         |
| 2,100.00   | 2,067.29            | 1,955.55            | 1,889.80            | 10.27           | 10.57       | 109.79                | -537.20                           | 239.79     | 661.76               | 642.04                | 19.72                   | 33.552            |                    |         |
| 2,200.00   | 2,164.93            | 2,049.41            | 1,978.00            | 10.75           | 11.13       | 109.71                | -563.79                           | 257.76     | 696.27               | 675.61                | 20.66                   | 33.706            |                    |         |
| 2,300.00   | 2,262.56            | 2,143.26            | 2,066.19            | 11.24           | 11.69       | 109.64                | -590.39                           | 275.74     | 730.77               | 709.17                | 21.60                   | 33.835            |                    |         |
| 2,400.00   | 2,360.20            | 2,237.12            | 2,154.39            | 11.73           | 12.26       | 109.58                | -616.98                           | 293.72     | 765.28               | 742.73                | 22.55                   | 33.944            |                    |         |
| 2,500.00   | 2,457.84            | 2,330.97            | 2,242.58            | 12.22           | 12.83       | 109.52                | -643.58                           | 311.69     | 799.78               | 776.29                | 23.50                   | 34.036            |                    |         |
| 2,600.00   | 2,555.48            | 2,424.83            | 2,330.77            | 12.71           | 13.41       | 109.47                | -670.17                           | 329.67     | 834.29               | 809.84                | 24.46                   | 34.115            |                    |         |
| 2,700.00   | 2,653.11            | 2,518.68            | 2,418.97            | 13.20           | 13.98       | 109.42                | -696.77                           | 347.64     | 868.80               | 843.38                | 25.42                   | 34.181            |                    |         |
| 2,800.00   | 2,750.75            | 2,612.53            | 2,507.16            | 13.70           | 14.56       | 109.37                | -723.36                           | 365.62     | 903.31               | 876.92                | 26.38                   | 34.237            |                    |         |
| 2,900.00   | 2,848.39            | 2,706.39            | 2,595.36            | 14.19           | 15.14       | 109.33                | -749.96                           | 383.59     | 937.82               | 910.46                | 27.35                   | 34.285            |                    |         |
| 3,000.00   | 2,946.02            | 2,800.24            | 2,683.55            | 14.69           | 15.72       | 109.29                | -776.55                           | 401.57     | 972.32               | 944.00                | 28.33                   | 34.326            |                    |         |
| 3,100.00   | 3,043.66            | 2,905.90            | 2,771.75            | 15.19           | 16.38       | 109.25                | -803.15                           | 419.55     | 1,006.83             | 977.47                | 29.37                   | 34.286            |                    |         |
| 3,200.00   | 3,141.30            | 2,987.95            | 2,859.94            | 15.69           | 16.89       | 109.22                | -829.74                           | 437.52     | 1,041.34             | 1,011.06              | 30.28                   | 34.391            |                    |         |
| 3,300.00   | 3,238.94            | 3,081.81            | 2,948.14            | 16.19           | 17.48       | 109.19                | -856.34                           | 455.50     | 1,075.85             | 1,044.59              | 31.26                   | 34.416            |                    |         |
| 3,400.00   | 3,336.57            | 3,175.66            | 3,036.33            | 16.69           | 18.06       | 109.16                | -882.93                           | 473.47     | 1,110.37             | 1,078.12              | 32.24                   | 34.438            |                    |         |
| 3,500.00   | 3,434.21            | 3,269.52            | 3,124.53            | 17.19           | 18.65       | 109.13                | -909.53                           | 491.45     | 1,144.88             | 1,111.65              | 33.23                   | 34.456            |                    |         |
| 3,600.00   | 3,531.85            | 3,363.37            | 3,212.72            | 17.69           | 19.24       | 109.10                | -936.12                           | 509.42     | 1,179.39             | 1,145.17              | 34.21                   | 34.472            |                    |         |
| 3,700.00   | 3,629.48            | 3,457.23            | 3,300.92            | 18.20           | 19.83       | 109.08                | -962.72                           | 527.40     | 1,213.90             | 1,178.70              | 35.20                   | 34.485            |                    |         |
| 3,800.00   | 3,727.12            | 3,551.08            | 3,389.11            | 18.70           | 20.42       | 109.05                | -989.31                           | 545.38     | 1,248.41             | 1,212.22              | 36.19                   | 34.496            |                    |         |
| 3,900.00   | 3,824.76            | 3,644.94            | 3,477.31            | 19.21           | 21.01       | 109.03                | -1,015.91                         | 563.35     | 1,282.92             | 1,245.74              | 37.18                   | 34.505            |                    |         |
| 4,000.00   | 3,922.40            | 3,738.79            | 3,565.50            | 19.71           | 21.60       | 109.01                | -1,042.50                         | 581.33     | 1,317.43             | 1,279.26              | 38.17                   | 34.512            |                    |         |
| 4,100.00   | 4,020.03            | 3,832.65            | 3,653.70            | 20.21           | 22.19       | 108.99                | -1,069.10                         | 599.30     | 1,351.94             | 1,312.78              | 39.17                   | 34.518            |                    |         |
| 4,200.00   | 4,117.67            | 3,926.50            | 3,741.89            | 20.72           | 22.79       | 108.97                | -1,095.69                         | 617.28     | 1,386.46             | 1,346.30              | 40.16                   | 34.523            |                    |         |
| 4,300.00   | 4,215.31            | 4,020.36            | 3,830.09            | 21.23           | 23.38       | 108.95                | -1,122.29                         | 635.26     | 1,420.97             | 1,379.81              | 41.16                   | 34.527            |                    |         |
| 4,400.00   | 4,312.94            | 4,114.21            | 3,918.28            | 21.73           | 23.97       | 108.93                | -1,148.88                         | 653.23     | 1,455.48             | 1,413.33              | 42.15                   | 34.529            |                    |         |
| 4,500.00   | 4,410.58            | 4,208.07            | 4,006.47            | 22.24           | 24.57       | 108.92                | -1,175.48                         | 671.21     | 1,489.99             | 1,446.84              | 43.15                   | 34.531            |                    |         |
| 4,600.00   | 4,508.22            | 4,301.92            | 4,094.67            | 22.75           | 25.16       | 108.90                | -1,202.07                         | 689.18     | 1,524.51             | 1,480.36              | 44.15                   | 34.533            |                    |         |
| 4,700.00   | 4,605.86            | 4,395.78            | 4,182.86            | 23.25           | 25.76       | 108.89                | -1,228.67                         | 707.16     | 1,559.02             | 1,513.87              | 45.15                   | 34.533            |                    |         |
| 4,800.00   | 4,703.49            | 4,489.63            | 4,271.06            | 23.76           | 26.35       | 108.87                | -1,255.26                         | 725.13     | 1,593.53             | 1,547.39              | 46.15                   | 34.533            |                    |         |
| 4,900.00   | 4,801.13            | 4,583.49            | 4,359.25            | 24.27           | 26.95       | 108.86                | -1,281.86                         | 743.11     | 1,628.04             | 1,580.90              | 47.15                   | 34.533            |                    |         |
| 5,000.00   | 4,898.77            | 4,677.34            | 4,447.45            | 24.77           | 27.54       | 108.84                | -1,308.45                         | 761.09     | 1,662.56             | 1,614.41              | 48.15                   | 34.532            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 4,771.20            | 4,535.64            | 25.28           | 28.14       | 108.83                | -1,335.05                         | 779.06     | 1,697.07             | 1,647.92              | 49.15                   | 34.530            |                    |         |
| 5,200.00                   | 5,094.04            | 4,865.05            | 4,623.84            | 25.79           | 28.73       | 108.82                | -1,361.64                         | 797.04     | 1,731.58             | 1,681.43              | 50.15                   | 34.528            |                    |         |
| 5,300.00                   | 5,191.68            | 4,958.91            | 4,712.03            | 26.30           | 29.33       | 108.81                | -1,388.24                         | 815.01     | 1,766.10             | 1,714.94              | 51.15                   | 34.526            |                    |         |
| 5,400.00                   | 5,289.32            | 5,052.76            | 4,800.23            | 26.81           | 29.93       | 108.80                | -1,414.83                         | 832.99     | 1,800.61             | 1,748.45              | 52.16                   | 34.524            |                    |         |
| 5,500.00                   | 5,386.95            | 5,146.62            | 4,888.42            | 27.32           | 30.52       | 108.79                | -1,441.43                         | 850.96     | 1,835.12             | 1,781.96              | 53.16                   | 34.521            |                    |         |
| 5,600.00                   | 5,484.59            | 5,240.47            | 4,976.62            | 27.83           | 31.12       | 108.78                | -1,468.02                         | 868.94     | 1,869.63             | 1,815.47              | 54.16                   | 34.519            |                    |         |
| 5,700.00                   | 5,582.23            | 5,334.33            | 5,064.81            | 28.33           | 31.72       | 108.77                | -1,494.62                         | 886.92     | 1,904.15             | 1,848.98              | 55.17                   | 34.516            |                    |         |
| 5,800.00                   | 5,679.87            | 5,428.18            | 5,153.01            | 28.84           | 32.31       | 108.76                | -1,521.22                         | 904.89     | 1,938.66             | 1,882.49              | 56.17                   | 34.513            |                    |         |
| 5,900.00                   | 5,777.50            | 5,522.04            | 5,241.20            | 29.35           | 32.91       | 108.75                | -1,547.81                         | 922.87     | 1,973.17             | 1,916.00              | 57.18                   | 34.509            |                    |         |
| 6,000.00                   | 5,875.14            | 5,615.89            | 5,329.40            | 29.86           | 33.51       | 108.74                | -1,574.41                         | 940.84     | 2,007.69             | 1,949.50              | 58.18                   | 34.506            |                    |         |
| 6,100.00                   | 5,972.78            | 5,709.75            | 5,417.59            | 30.37           | 34.11       | 108.73                | -1,601.00                         | 958.82     | 2,042.20             | 1,983.01              | 59.19                   | 34.502            |                    |         |
| 6,200.00                   | 6,070.41            | 5,803.60            | 5,505.79            | 30.88           | 34.70       | 108.72                | -1,627.60                         | 976.79     | 2,076.72             | 2,016.52              | 60.20                   | 34.499            |                    |         |
| 6,300.00                   | 6,168.05            | 5,902.54            | 5,593.98            | 31.39           | 35.34       | 108.71                | -1,654.19                         | 994.77     | 2,111.23             | 2,050.00              | 61.23                   | 34.479            |                    |         |
| 6,400.00                   | 6,265.69            | 6,008.69            | 5,682.17            | 31.90           | 36.01       | 108.70                | -1,680.79                         | 1,012.75   | 2,145.74             | 2,083.43              | 62.31                   | 34.437            |                    |         |
| 6,439.09                   | 6,303.85            | 6,027.99            | 5,716.65            | 32.10           | 36.13       | 108.70                | -1,691.18                         | 1,019.77   | 2,159.23             | 2,096.63              | 62.61                   | 34.490            |                    |         |
| 6,450.00                   | 6,314.53            | 6,038.24            | 5,726.27            | 32.16           | 36.20       | 110.53                | -1,694.08                         | 1,021.73   | 2,163.00             | 2,100.28              | 62.71                   | 34.490            |                    |         |
| 6,500.00                   | 6,363.83            | 6,085.08            | 5,770.29            | 32.39           | 36.50       | 123.51                | -1,707.36                         | 1,030.71   | 2,180.19             | 2,116.99              | 63.19                   | 34.500            |                    |         |
| 6,550.00                   | 6,413.58            | 6,131.59            | 5,813.99            | 32.60           | 36.80       | 157.53                | -1,720.53                         | 1,039.61   | 2,197.21             | 2,133.57              | 63.64                   | 34.527            |                    |         |
| 6,600.00                   | 6,463.45            | 6,177.46            | 5,857.10            | 32.79           | 37.09       | -140.32               | -1,733.53                         | 1,048.40   | 2,214.00             | 2,149.95              | 64.05                   | 34.567            |                    |         |
| 6,650.00                   | 6,513.15            | 6,222.42            | 5,899.34            | 32.97           | 37.37       | -111.63               | -1,746.27                         | 1,057.01   | 2,230.51             | 2,166.07              | 64.44                   | 34.614            |                    |         |
| 6,700.00                   | 6,562.37            | 6,266.19            | 5,940.47            | 33.15           | 37.65       | -100.54               | -1,758.68                         | 1,065.39   | 2,246.71             | 2,181.89              | 64.81                   | 34.663            |                    |         |
| 6,750.00                   | 6,610.80            | 6,308.49            | 5,980.23            | 33.34           | 37.92       | -94.74                | -1,770.66                         | 1,073.50   | 2,262.57             | 2,197.39              | 65.18                   | 34.713            |                    |         |
| 6,800.00                   | 6,658.14            | 6,349.08            | 6,018.37            | 33.53           | 38.18       | -91.06                | -1,782.16                         | 1,081.27   | 2,278.10             | 2,212.57              | 65.54                   | 34.761            |                    |         |
| 6,850.00                   | 6,704.11            | 6,387.70            | 6,054.65            | 33.74           | 38.43       | -88.45                | -1,793.11                         | 1,088.66   | 2,293.32             | 2,227.43              | 65.88                   | 34.808            |                    |         |
| 6,900.00                   | 6,748.42            | 6,424.10            | 6,088.86            | 33.97           | 38.66       | -86.44                | -1,803.42                         | 1,095.64   | 2,308.23             | 2,242.00              | 66.23                   | 34.853            |                    |         |
| 6,950.00                   | 6,790.79            | 6,458.07            | 6,120.79            | 34.21           | 38.88       | -84.80                | -1,813.05                         | 1,102.14   | 2,322.85             | 2,256.29              | 66.57                   | 34.894            |                    |         |
| 7,000.00                   | 6,830.97            | 6,489.40            | 6,150.23            | 34.48           | 39.08       | -83.41                | -1,821.93                         | 1,108.14   | 2,337.23             | 2,270.32              | 66.91                   | 34.931            |                    |         |
| 7,050.00                   | 6,868.71            | 6,517.89            | 6,177.00            | 34.77           | 39.26       | -82.17                | -1,830.00                         | 1,113.60   | 2,351.38             | 2,284.13              | 67.25                   | 34.963            |                    |         |
| 7,100.00                   | 6,903.77            | 6,543.37            | 6,200.94            | 35.09           | 39.42       | -81.04                | -1,837.22                         | 1,118.48   | 2,365.33             | 2,297.72              | 67.60                   | 34.989            |                    |         |
| 7,150.00                   | 6,935.93            | 6,565.68            | 6,221.91            | 35.44           | 39.56       | -79.96                | -1,843.54                         | 1,122.75   | 2,379.09             | 2,311.12              | 67.96                   | 35.007            |                    |         |
| 7,200.00                   | 6,965.01            | 6,584.68            | 6,239.76            | 35.83           | 39.69       | -78.90                | -1,848.93                         | 1,126.39   | 2,392.67             | 2,324.34              | 68.33                   | 35.016            |                    |         |
| 7,250.00                   | 6,990.82            | 6,600.26            | 6,254.40            | 36.26           | 39.78       | -77.86                | -1,853.34                         | 1,129.38   | 2,406.07             | 2,337.36              | 68.71                   | 35.016            |                    |         |
| 7,300.00                   | 7,013.20            | 6,612.32            | 6,265.73            | 36.72           | 39.86       | -76.80                | -1,856.76                         | 1,131.69   | 2,419.29             | 2,350.18              | 69.11                   | 35.006            |                    |         |
| 7,350.00                   | 7,032.02            | 6,620.78            | 6,273.69            | 37.23           | 39.92       | -75.72                | -1,859.16                         | 1,133.31   | 2,432.29             | 2,362.77              | 69.52                   | 34.987            |                    |         |
| 7,400.00                   | 7,047.15            | 6,625.60            | 6,278.21            | 37.77           | 39.95       | -74.61                | -1,860.52                         | 1,134.23   | 2,445.04             | 2,375.10              | 69.94                   | 34.960            |                    |         |
| 7,450.00                   | 7,058.51            | 6,626.74            | 6,279.29            | 38.34           | 39.95       | -73.48                | -1,860.84                         | 1,134.45   | 2,457.48             | 2,387.11              | 70.37                   | 34.925            |                    |         |
| 7,500.00                   | 7,066.02            | 6,624.20            | 6,276.90            | 38.95           | 39.94       | -72.33                | -1,860.12                         | 1,133.96   | 2,469.55             | 2,398.75              | 70.79                   | 34.883            |                    |         |
| 7,550.00                   | 7,069.64            | 6,617.99            | 6,271.06            | 39.58           | 39.90       | -71.16                | -1,858.36                         | 1,132.77   | 2,481.17             | 2,409.95              | 71.22                   | 34.838            |                    |         |
| 7,571.20                   | 7,070.00            | 6,614.26            | 6,267.56            | 39.85           | 39.87       | -70.67                | -1,857.31                         | 1,132.06   | 2,485.93             | 2,414.54              | 71.40                   | 34.818            |                    |         |
| 7,600.00                   | 7,070.00            | 6,608.75            | 6,262.38            | 40.23           | 39.84       | -70.54                | -1,855.75                         | 1,131.00   | 2,492.50             | 2,420.85              | 71.64                   | 34.790            |                    |         |
| 7,700.00                   | 7,070.01            | 6,589.61            | 6,244.40            | 41.64           | 39.72       | -70.10                | -1,850.32                         | 1,127.34   | 2,517.60             | 2,445.03              | 72.57                   | 34.692            |                    |         |
| 7,800.00                   | 7,070.02            | 6,570.48            | 6,226.42            | 43.20           | 39.59       | -69.65                | -1,844.90                         | 1,123.67   | 2,546.25             | 2,472.67              | 73.58                   | 34.604            |                    |         |
| 7,900.00                   | 7,070.03            | 6,551.34            | 6,208.43            | 44.89           | 39.47       | -69.21                | -1,839.48                         | 1,120.01   | 2,578.32             | 2,503.66              | 74.66                   | 34.536            |                    |         |
| 8,000.00                   | 7,070.04            | 6,367.20            | 7,235.09            | 46.69           | 39.46       | -93.65                | -2,159.93                         | 181.67     | 2,594.70             | 2,500.68              | 94.02                   | 27.598            |                    |         |
| 8,100.00                   | 7,070.05            | 8,467.19            | 7,235.89            | 48.60           | 51.35       | -93.66                | -2,161.12                         | 81.69      | 2,595.90             | 2,498.23              | 97.67                   | 26.577            |                    |         |
| 8,200.00                   | 7,070.05            | 8,567.18            | 7,236.70            | 50.59           | 52.98       | -93.68                | -2,162.31                         | -18.29     | 2,597.11             | 2,495.59              | 101.52                  | 25.583            |                    |         |
| 8,300.00                   | 7,070.06            | 8,667.17            | 7,237.51            | 52.66           | 54.74       | -93.70                | -2,163.50                         | -118.27    | 2,598.32             | 2,492.79              | 105.53                  | 24.622            |                    |         |
| 8,400.00                   | 7,070.07            | 8,767.16            | 7,238.32            | 54.81           | 56.61       | -93.71                | -2,164.69                         | -218.24    | 2,599.52             | 2,489.83              | 109.69                  | 23.699            |                    |         |
| 8,500.00                   | 7,070.08            | 8,867.15            | 7,239.12            | 57.02           | 58.58       | -93.73                | -2,165.88                         | -318.22    | 2,600.73             | 2,486.75              | 113.99                  | 22.816            |                    |         |
| 8,600.00                   | 7,070.09            | 8,967.14            | 7,239.93            | 59.28           | 60.63       | -93.74                | -2,167.07                         | -418.20    | 2,601.94             | 2,483.54              | 118.40                  | 21.976            |                    |         |
| 8,700.00                   | 7,070.10            | 9,067.13            | 7,240.74            | 61.60           | 62.75       | -93.76                | -2,168.27                         | -518.18    | 2,603.15             | 2,480.23              | 122.92                  | 21.178            |                    |         |
| 8,800.00                   | 7,070.11            | 9,167.12            | 7,241.55            | 63.95           | 64.94       | -93.77                | -2,169.46                         | -618.16    | 2,604.35             | 2,476.82              | 127.53                  | 20.421            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                   | 7,070.12            | 9,267.11            | 7,242.36            | 66.35           | 67.19       | -93.79                | -2,170.65                         | -718.14    | 2,605.56             | 2,473.33              | 132.23                  | 19.705            |                    |         |
| 9,000.00                   | 7,070.13            | 9,367.10            | 7,243.16            | 68.79           | 69.48       | -93.81                | -2,171.84                         | -818.12    | 2,606.77             | 2,469.76              | 137.01                  | 19.027            |                    |         |
| 9,100.00                   | 7,070.13            | 9,467.09            | 7,243.97            | 71.25           | 71.82       | -93.82                | -2,173.03                         | -918.10    | 2,607.98             | 2,466.13              | 141.85                  | 18.385            |                    |         |
| 9,200.00                   | 7,070.14            | 9,567.08            | 7,244.78            | 73.74           | 74.20       | -93.84                | -2,174.22                         | -1,018.08  | 2,609.19             | 2,462.43              | 146.76                  | 17.779            |                    |         |
| 9,300.00                   | 7,070.15            | 9,667.07            | 7,245.59            | 76.26           | 76.62       | -93.85                | -2,175.41                         | -1,118.06  | 2,610.40             | 2,458.68              | 151.72                  | 17.206            |                    |         |
| 9,400.00                   | 7,070.16            | 9,767.06            | 7,246.39            | 78.80           | 79.06       | -93.87                | -2,176.61                         | -1,218.04  | 2,611.60             | 2,454.88              | 156.73                  | 16.663            |                    |         |
| 9,500.00                   | 7,070.17            | 9,867.05            | 7,247.20            | 81.37           | 81.54       | -93.89                | -2,177.80                         | -1,318.02  | 2,612.81             | 2,451.03              | 161.78                  | 16.150            |                    |         |
| 9,600.00                   | 7,070.18            | 9,967.04            | 7,248.01            | 83.95           | 84.04       | -93.90                | -2,178.99                         | -1,418.00  | 2,614.02             | 2,447.14              | 166.88                  | 15.664            |                    |         |
| 9,700.00                   | 7,070.19            | 10,067.03           | 7,248.82            | 86.55           | 86.56       | -93.92                | -2,180.18                         | -1,517.98  | 2,615.23             | 2,443.22              | 172.02                  | 15.203            |                    |         |
| 9,800.00                   | 7,070.20            | 10,167.02           | 7,249.62            | 89.17           | 89.11       | -93.93                | -2,181.37                         | -1,617.96  | 2,616.44             | 2,439.26              | 177.19                  | 14.767            |                    |         |
| 9,900.00                   | 7,070.21            | 10,267.01           | 7,250.43            | 91.80           | 91.67       | -93.95                | -2,182.56                         | -1,717.94  | 2,617.65             | 2,435.26              | 182.39                  | 14.352            |                    |         |
| 10,000.00                  | 7,070.21            | 10,367.00           | 7,251.24            | 94.44           | 94.26       | -93.96                | -2,183.75                         | -1,817.92  | 2,618.86             | 2,431.24              | 187.62                  | 13.958            |                    |         |
| 10,100.00                  | 7,070.22            | 10,466.99           | 7,252.05            | 97.10           | 96.85       | -93.98                | -2,184.95                         | -1,917.90  | 2,620.07             | 2,427.20              | 192.88                  | 13.584            |                    |         |
| 10,200.00                  | 7,070.23            | 10,566.98           | 7,252.86            | 99.77           | 99.47       | -94.00                | -2,186.14                         | -2,017.88  | 2,621.28             | 2,423.13              | 198.16                  | 13.228            |                    |         |
| 10,300.00                  | 7,070.24            | 10,666.97           | 7,253.66            | 102.44          | 102.09      | -94.01                | -2,187.33                         | -2,117.86  | 2,622.49             | 2,419.03              | 203.46                  | 12.889            |                    |         |
| 10,400.00                  | 7,070.25            | 10,766.96           | 7,254.47            | 105.13          | 104.73      | -94.03                | -2,188.52                         | -2,217.84  | 2,623.71             | 2,414.92              | 208.79                  | 12.567            |                    |         |
| 10,500.00                  | 7,070.26            | 10,866.95           | 7,255.28            | 107.83          | 107.38      | -94.04                | -2,189.71                         | -2,317.82  | 2,624.92             | 2,410.79              | 214.13                  | 12.259            |                    |         |
| 10,600.00                  | 7,070.27            | 10,966.94           | 7,256.09            | 110.53          | 110.04      | -94.06                | -2,190.90                         | -2,417.80  | 2,626.13             | 2,406.64              | 219.49                  | 11.965            |                    |         |
| 10,700.00                  | 7,070.28            | 11,066.93           | 7,256.89            | 113.24          | 112.71      | -94.07                | -2,192.09                         | -2,517.78  | 2,627.34             | 2,402.47              | 224.87                  | 11.684            |                    |         |
| 10,800.00                  | 7,070.28            | 11,166.92           | 7,257.70            | 115.96          | 115.39      | -94.09                | -2,193.29                         | -2,617.76  | 2,628.55             | 2,398.29              | 230.26                  | 11.416            |                    |         |
| 10,900.00                  | 7,070.29            | 11,266.91           | 7,258.51            | 118.69          | 118.08      | -94.10                | -2,194.48                         | -2,717.74  | 2,629.76             | 2,394.10              | 235.67                  | 11.159            |                    |         |
| 11,000.00                  | 7,070.30            | 11,366.90           | 7,259.32            | 121.42          | 120.78      | -94.12                | -2,195.67                         | -2,817.72  | 2,630.98             | 2,389.89              | 241.09                  | 10.913            |                    |         |
| 11,100.00                  | 7,070.31            | 11,466.89           | 7,260.13            | 124.16          | 123.48      | -94.14                | -2,196.86                         | -2,917.70  | 2,632.19             | 2,385.67              | 246.52                  | 10.677            |                    |         |
| 11,200.00                  | 7,070.32            | 11,566.88           | 7,260.93            | 126.90          | 126.19      | -94.15                | -2,198.05                         | -3,017.68  | 2,633.40             | 2,381.43              | 251.97                  | 10.451            |                    |         |
| 11,300.00                  | 7,070.33            | 11,666.87           | 7,261.74            | 129.65          | 128.91      | -94.17                | -2,199.24                         | -3,117.66  | 2,634.61             | 2,377.19              | 257.42                  | 10.235            |                    |         |
| 11,400.00                  | 7,070.34            | 11,766.86           | 7,262.55            | 132.40          | 131.63      | -94.18                | -2,200.43                         | -3,217.64  | 2,635.83             | 2,372.94              | 262.89                  | 10.026            |                    |         |
| 11,500.00                  | 7,070.35            | 11,866.85           | 7,263.36            | 135.16          | 134.36      | -94.20                | -2,201.63                         | -3,317.62  | 2,637.04             | 2,368.68              | 268.36                  | 9.826             |                    |         |
| 11,600.00                  | 7,070.36            | 11,966.84           | 7,264.16            | 137.92          | 137.09      | -94.21                | -2,202.82                         | -3,417.60  | 2,638.25             | 2,364.41              | 273.84                  | 9.634             |                    |         |
| 11,700.00                  | 7,070.36            | 12,066.83           | 7,264.97            | 140.69          | 139.83      | -94.23                | -2,204.01                         | -3,517.58  | 2,639.47             | 2,360.13              | 279.34                  | 9.449             |                    |         |
| 11,800.00                  | 7,070.37            | 12,166.82           | 7,265.78            | 143.46          | 142.58      | -94.24                | -2,205.20                         | -3,617.56  | 2,640.68             | 2,355.84              | 284.84                  | 9.271             |                    |         |
| 11,900.00                  | 7,070.38            | 12,266.81           | 7,266.59            | 146.23          | 145.32      | -94.26                | -2,206.39                         | -3,717.54  | 2,641.89             | 2,351.55              | 290.34                  | 9.099             |                    |         |
| 12,000.00                  | 7,070.39            | 12,366.80           | 7,267.39            | 149.01          | 148.08      | -94.27                | -2,207.58                         | -3,817.52  | 2,643.11             | 2,347.25              | 295.86                  | 8.934             |                    |         |
| 12,100.00                  | 7,070.40            | 12,466.79           | 7,268.20            | 151.79          | 150.83      | -94.29                | -2,208.77                         | -3,917.50  | 2,644.32             | 2,342.94              | 301.38                  | 8.774             |                    |         |
| 12,200.00                  | 7,070.41            | 12,566.78           | 7,269.01            | 154.57          | 153.59      | -94.31                | -2,209.96                         | -4,017.48  | 2,645.54             | 2,338.63              | 306.91                  | 8.620             |                    |         |
| 12,300.00                  | 7,070.42            | 12,666.77           | 7,269.82            | 157.35          | 156.35      | -94.32                | -2,211.16                         | -4,117.45  | 2,646.75             | 2,334.31              | 312.44                  | 8.471             |                    |         |
| 12,400.00                  | 7,070.43            | 12,766.76           | 7,270.63            | 160.14          | 159.12      | -94.34                | -2,212.35                         | -4,217.43  | 2,647.97             | 2,329.99              | 317.98                  | 8.328             |                    |         |
| 12,500.00                  | 7,070.44            | 12,866.75           | 7,271.43            | 162.93          | 161.89      | -94.35                | -2,213.54                         | -4,317.41  | 2,649.18             | 2,325.66              | 323.52                  | 8.189             |                    |         |
| 12,600.00                  | 7,070.44            | 12,966.74           | 7,272.24            | 165.72          | 164.66      | -94.37                | -2,214.73                         | -4,417.39  | 2,650.40             | 2,321.33              | 329.07                  | 8.054             |                    |         |
| 12,700.00                  | 7,070.45            | 13,066.73           | 7,273.05            | 168.52          | 167.44      | -94.38                | -2,215.92                         | -4,517.37  | 2,651.61             | 2,316.99              | 334.62                  | 7.924             |                    |         |
| 12,800.00                  | 7,070.46            | 13,166.72           | 7,273.86            | 171.32          | 170.22      | -94.40                | -2,217.11                         | -4,617.35  | 2,652.83             | 2,312.65              | 340.18                  | 7.798             |                    |         |
| 12,900.00                  | 7,070.47            | 13,266.71           | 7,274.66            | 174.11          | 173.00      | -94.41                | -2,218.30                         | -4,717.33  | 2,654.04             | 2,308.30              | 345.74                  | 7.676             |                    |         |
| 13,000.00                  | 7,070.48            | 13,366.70           | 7,275.47            | 176.92          | 175.78      | -94.43                | -2,219.50                         | -4,817.31  | 2,655.26             | 2,303.95              | 351.31                  | 7.558             |                    |         |
| 13,100.00                  | 7,070.49            | 13,466.69           | 7,276.28            | 179.72          | 178.56      | -94.44                | -2,220.69                         | -4,917.29  | 2,656.48             | 2,299.60              | 356.88                  | 7.444             |                    |         |
| 13,200.00                  | 7,070.50            | 13,566.68           | 7,277.09            | 182.52          | 181.05      | -94.46                | -2,221.75                         | -5,006.47  | 2,657.71             | 2,295.59              | 362.12                  | 7.339             |                    |         |
| 13,300.00                  | 7,070.51            | 13,555.88           | 7,277.00            | 185.33          | 181.05      | -94.46                | -2,221.75                         | -5,006.47  | 2,661.22             | 2,296.86              | 364.36                  | 7.304             |                    |         |
| 13,400.00                  | 7,070.52            | 13,555.88           | 7,277.00            | 188.14          | 181.05      | -94.46                | -2,221.75                         | -5,006.47  | 2,668.46             | 2,302.36              | 366.10                  | 7.289 SF          |                    |         |
| 13,500.00                  | 7,070.52            | 13,555.88           | 7,277.00            | 190.95          | 181.05      | -94.46                | -2,221.75                         | -5,006.47  | 2,679.43             | 2,312.08              | 367.34                  | 7.294             |                    |         |
| 13,600.00                  | 7,070.53            | 13,555.88           | 7,277.00            | 193.76          | 181.05      | -94.46                | -2,221.75                         | -5,006.47  | 2,694.06             | 2,325.96              | 368.10                  | 7.319             |                    |         |
| 13,700.00                  | 7,070.54            | 13,555.88           | 7,277.00            | 196.57          | 181.05      | -94.46                | -2,221.75                         | -5,006.47  | 2,712.30             | 2,343.93              | 368.37                  | 7.363             |                    |         |
| 13,800.00                  | 7,070.55            | 13,555.88           | 7,277.00            | 199.38          | 181.05      | -94.46                | -2,221.75                         | -5,006.47  | 2,734.08             | 2,365.89              | 368.19                  | 7.426             |                    |         |
| 13,900.00                  | 7,070.56            | 13,555.88           | 7,277.00            | 202.20          | 181.05      | -94.46                | -2,221.75                         | -5,006.47  | 2,759.32             | 2,391.74              | 367.57                  | 7.507             |                    |         |
| 14,000.00                  | 7,070.57            | 13,555.88           | 7,277.00            | 205.01          | 181.05      | -94.46                | -2,221.75                         | -5,006.47  | 2,787.91             | 2,421.37              | 366.54                  | 7.606             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1 |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------------------|--------------------------|--------------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Well Error: | 3.28 ft |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Semi Major Axis<br>Reference (ft) | Highside<br>Toolface (°) | Offset Wellbore Centre<br>+N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor  | Warning |
| 14,100.00  | 7,070.58            | 13,555.88           | 7,277.00            | 207.83         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 2,819.76   | 2,454.63             | 365.13                | 7.723                   |                    |         |
| 14,200.00  | 7,070.59            | 13,555.88           | 7,277.00            | 210.65         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 2,854.77   | 2,491.40             | 363.37                | 7.856                   |                    |         |
| 14,300.00  | 7,070.60            | 13,555.88           | 7,277.00            | 213.47         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 2,892.81   | 2,531.51             | 361.29                | 8.007                   |                    |         |
| 14,400.00  | 7,070.60            | 13,555.88           | 7,277.00            | 216.29         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 2,933.76   | 2,574.83             | 358.93                | 8.174                   |                    |         |
| 14,500.00  | 7,070.61            | 13,555.88           | 7,277.00            | 219.11         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 2,977.51   | 2,621.19             | 356.32                | 8.356                   |                    |         |
| 14,600.00  | 7,070.62            | 13,555.88           | 7,277.00            | 221.94         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,023.94   | 2,670.45             | 353.49                | 8.555                   |                    |         |
| 14,700.00  | 7,070.63            | 13,555.88           | 7,277.00            | 224.76         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,072.92   | 2,722.45             | 350.47                | 8.768                   |                    |         |
| 14,800.00  | 7,070.64            | 13,555.88           | 7,277.00            | 227.58         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,124.33   | 2,777.04             | 347.29                | 8.996                   |                    |         |
| 14,900.00  | 7,070.65            | 13,555.88           | 7,277.00            | 230.41         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,178.06   | 2,834.08             | 343.98                | 9.239                   |                    |         |
| 15,000.00  | 7,070.66            | 13,555.88           | 7,277.00            | 233.24         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,233.99   | 2,893.43             | 340.56                | 9.496                   |                    |         |
| 15,100.00  | 7,070.67            | 13,555.88           | 7,277.00            | 236.06         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,292.01   | 2,954.94             | 337.07                | 9.767                   |                    |         |
| 15,200.00  | 7,070.68            | 13,555.88           | 7,277.00            | 238.89         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,352.01   | 3,018.50             | 333.51                | 10.051                  |                    |         |
| 15,300.00  | 7,070.68            | 13,555.88           | 7,277.00            | 241.72         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,413.88   | 3,083.97             | 329.91                | 10.348                  |                    |         |
| 15,400.00  | 7,070.69            | 13,555.88           | 7,277.00            | 244.55         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,477.53   | 3,151.24             | 326.29                | 10.658                  |                    |         |
| 15,500.00  | 7,070.70            | 13,555.88           | 7,277.00            | 247.38         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,542.86   | 3,220.20             | 322.66                | 10.980                  |                    |         |
| 15,600.00  | 7,070.71            | 13,555.88           | 7,277.00            | 250.21         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,609.77   | 3,290.74             | 319.03                | 11.315                  |                    |         |
| 15,700.00  | 7,070.72            | 13,555.88           | 7,277.00            | 253.04         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,678.19   | 3,362.77             | 315.42                | 11.661                  |                    |         |
| 15,800.00  | 7,070.73            | 13,555.88           | 7,277.00            | 255.87         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,748.03   | 3,436.18             | 311.84                | 12.019                  |                    |         |
| 15,900.00  | 7,070.74            | 13,555.88           | 7,277.00            | 258.71         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,819.21   | 3,510.91             | 308.30                | 12.388                  |                    |         |
| 16,000.00  | 7,070.75            | 13,555.88           | 7,277.00            | 261.54         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,891.65   | 3,586.86             | 304.80                | 12.768                  |                    |         |
| 16,100.00  | 7,070.76            | 13,555.88           | 7,277.00            | 264.37         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 3,965.30   | 3,663.95             | 301.34                | 13.159                  |                    |         |
| 16,200.00  | 7,070.76            | 13,555.88           | 7,277.00            | 267.21         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,040.08   | 3,742.13             | 297.94                | 13.560                  |                    |         |
| 16,300.00  | 7,070.77            | 13,555.88           | 7,277.00            | 270.04         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,115.92   | 3,821.32             | 294.60                | 13.971                  |                    |         |
| 16,400.00  | 7,070.78            | 13,555.88           | 7,277.00            | 272.88         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,192.79   | 3,901.46             | 291.33                | 14.392                  |                    |         |
| 16,500.00  | 7,070.79            | 13,555.88           | 7,277.00            | 275.71         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,270.61   | 3,982.49             | 288.11                | 14.823                  |                    |         |
| 16,600.00  | 7,070.80            | 13,555.88           | 7,277.00            | 278.55         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,349.33   | 4,064.37             | 284.97                | 15.263                  |                    |         |
| 16,700.00  | 7,070.81            | 13,555.88           | 7,277.00            | 281.39         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,428.92   | 4,147.03             | 281.89                | 15.712                  |                    |         |
| 16,800.00  | 7,070.82            | 13,555.88           | 7,277.00            | 284.22         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,509.32   | 4,230.44             | 278.88                | 16.169                  |                    |         |
| 16,900.00  | 7,070.83            | 13,555.88           | 7,277.00            | 287.06         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,590.49   | 4,314.55             | 275.94                | 16.636                  |                    |         |
| 17,000.00  | 7,070.84            | 13,555.88           | 7,277.00            | 289.90         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,672.39   | 4,399.32             | 273.07                | 17.111                  |                    |         |
| 17,100.00  | 7,070.84            | 13,555.88           | 7,277.00            | 292.74         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,754.98   | 4,484.71             | 270.27                | 17.593                  |                    |         |
| 17,200.00  | 7,070.85            | 13,555.88           | 7,277.00            | 295.58         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,838.23   | 4,570.69             | 267.54                | 18.084                  |                    |         |
| 17,300.00  | 7,070.86            | 13,555.88           | 7,277.00            | 298.42         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 4,922.10   | 4,657.23             | 264.87                | 18.583                  |                    |         |
| 17,400.00  | 7,070.87            | 13,555.88           | 7,277.00            | 301.26         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,006.57   | 4,744.29             | 262.28                | 19.089                  |                    |         |
| 17,500.00  | 7,070.88            | 13,555.88           | 7,277.00            | 304.10         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,091.60   | 4,831.85             | 259.75                | 19.602                  |                    |         |
| 17,600.00  | 7,070.89            | 13,555.88           | 7,277.00            | 306.94         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,177.16   | 4,919.88             | 257.28                | 20.122                  |                    |         |
| 17,700.00  | 7,070.90            | 13,555.88           | 7,277.00            | 309.78         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,263.23   | 5,008.35             | 254.88                | 20.650                  |                    |         |
| 17,800.00  | 7,070.91            | 13,555.88           | 7,277.00            | 312.62         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,349.79   | 5,097.24             | 252.54                | 21.184                  |                    |         |
| 17,900.00  | 7,070.92            | 13,555.88           | 7,277.00            | 315.46         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,436.80   | 5,186.54             | 250.27                | 21.724                  |                    |         |
| 18,000.00  | 7,070.92            | 13,555.88           | 7,277.00            | 318.31         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,524.26   | 5,276.21             | 248.05                | 22.271                  |                    |         |
| 18,100.00  | 7,070.93            | 13,555.88           | 7,277.00            | 321.15         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,612.14   | 5,366.25             | 245.89                | 22.824                  |                    |         |
| 18,200.00  | 7,070.94            | 13,555.88           | 7,277.00            | 323.99         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,700.41   | 5,456.62             | 243.79                | 23.382                  |                    |         |
| 18,300.00  | 7,070.95            | 13,555.88           | 7,277.00            | 326.83         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,789.07   | 5,547.33             | 241.75                | 23.947                  |                    |         |
| 18,400.00  | 7,070.96            | 13,555.88           | 7,277.00            | 329.68         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,878.09   | 5,638.34             | 239.76                | 24.517                  |                    |         |
| 18,500.00  | 7,070.97            | 13,555.88           | 7,277.00            | 332.52         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 5,967.46   | 5,729.64             | 237.82                | 25.093                  |                    |         |
| 18,600.00  | 7,070.98            | 13,555.88           | 7,277.00            | 335.36         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 6,057.16   | 5,821.23             | 235.93                | 25.674                  |                    |         |
| 18,700.00  | 7,070.99            | 13,555.88           | 7,277.00            | 338.21         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 6,147.18   | 5,913.09             | 234.09                | 26.260                  |                    |         |
| 18,800.00  | 7,070.99            | 13,555.88           | 7,277.00            | 341.05         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 6,237.51   | 6,005.20             | 232.30                | 26.851                  |                    |         |
| 18,858.54  | 7,071.00            | 13,555.88           | 7,277.00            | 342.72         | 181.05      | -94.46                            | -2,221.75                | -5,006.47                            | 6,290.52   | 6,059.24             | 231.28                | 27.199                  |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                       | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.42               | -165.03                           | -1.67      | 165.04               |                       |                         |                   |                    |         |
| 100.00                     | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.42               | -165.03                           | -1.67      | 165.04               | 158.47                | 6.57                    | 25.122            |                    |         |
| 200.00                     | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.42               | -165.03                           | -1.67      | 165.04               | 158.37                | 6.67                    | 24.728 CC, ES     |                    |         |
| 300.00                     | 300.00              | 295.52              | 295.51              | 3.44            | 3.43        | -179.74               | -166.32                           | -0.74      | 166.39               | 159.50                | 6.89                    | 24.162            |                    |         |
| 400.00                     | 399.98              | 390.85              | 390.71              | 3.60            | 3.58        | 107.26                | -170.19                           | 2.04       | 170.97               | 163.77                | 7.20                    | 23.743            |                    |         |
| 500.00                     | 499.84              | 485.78              | 485.30              | 3.80            | 3.76        | 107.16                | -176.60                           | 6.63       | 179.29               | 171.69                | 7.61                    | 23.569            |                    |         |
| 600.00                     | 599.45              | 580.09              | 578.98              | 4.04            | 3.99        | 107.38                | -185.49                           | 13.01      | 191.32               | 183.23                | 8.09                    | 23.645            |                    |         |
| 700.00                     | 698.70              | 673.58              | 671.42              | 4.32            | 4.24        | 107.85                | -196.77                           | 21.09      | 207.03               | 198.39                | 8.64                    | 23.964            |                    |         |
| 800.00                     | 797.47              | 766.04              | 762.37              | 4.63            | 4.53        | 108.47                | -210.32                           | 30.82      | 226.40               | 217.17                | 9.24                    | 24.505            |                    |         |
| 900.00                     | 895.62              | 857.30              | 851.55              | 4.97            | 4.85        | 109.16                | -226.04                           | 42.09      | 249.42               | 239.54                | 9.88                    | 25.243            |                    |         |
| 924.00                     | 919.08              | 879.01              | 872.67              | 5.06            | 4.93        | 109.33                | -230.11                           | 45.01      | 255.48               | 245.44                | 10.04                   | 25.441            |                    |         |
| 1,000.00                   | 993.28              | 947.31              | 938.87              | 5.34            | 5.20        | 110.06                | -243.79                           | 54.82      | 275.70               | 265.14                | 10.56                   | 26.104            |                    |         |
| 1,100.00                   | 1,090.92            | 1,036.22            | 1,024.40            | 5.73            | 5.57        | 110.55                | -263.50                           | 68.96      | 304.37               | 293.10                | 11.27                   | 27.010            |                    |         |
| 1,200.00                   | 1,188.56            | 1,123.90            | 1,107.97            | 6.15            | 5.97        | 110.65                | -285.05                           | 84.41      | 335.28               | 323.28                | 12.00                   | 27.946            |                    |         |
| 1,300.00                   | 1,286.19            | 1,212.04            | 1,191.15            | 6.57            | 6.40        | 110.44                | -308.73                           | 101.40     | 368.32               | 355.57                | 12.75                   | 28.886            |                    |         |
| 1,400.00                   | 1,383.83            | 1,306.17            | 1,279.69            | 7.01            | 6.88        | 110.17                | -334.68                           | 120.01     | 402.03               | 388.47                | 13.57                   | 29.636            |                    |         |
| 1,500.00                   | 1,481.47            | 1,400.30            | 1,368.24            | 7.46            | 7.38        | 109.95                | -360.63                           | 138.62     | 435.75               | 421.35                | 14.41                   | 30.246            |                    |         |
| 1,600.00                   | 1,579.10            | 1,494.43            | 1,456.79            | 7.91            | 7.90        | 109.75                | -386.57                           | 157.23     | 469.48               | 454.21                | 15.27                   | 30.747            |                    |         |
| 1,700.00                   | 1,676.74            | 1,588.56            | 1,545.34            | 8.37            | 8.43        | 109.59                | -412.52                           | 175.84     | 503.20               | 487.05                | 16.15                   | 31.159            |                    |         |
| 1,800.00                   | 1,774.38            | 1,682.69            | 1,633.89            | 8.84            | 8.97        | 109.44                | -438.47                           | 194.45     | 536.93               | 519.89                | 17.05                   | 31.500            |                    |         |
| 1,900.00                   | 1,872.02            | 1,776.83            | 1,722.44            | 9.31            | 9.51        | 109.31                | -464.42                           | 213.07     | 570.67               | 552.71                | 17.95                   | 31.785            |                    |         |
| 2,000.00                   | 1,969.65            | 1,870.96            | 1,810.99            | 9.79            | 10.06       | 109.20                | -490.36                           | 231.68     | 604.40               | 585.53                | 18.87                   | 32.024            |                    |         |
| 2,100.00                   | 2,067.29            | 1,965.09            | 1,899.54            | 10.27           | 10.62       | 109.09                | -516.31                           | 250.29     | 638.14               | 618.34                | 19.80                   | 32.225            |                    |         |
| 2,200.00                   | 2,164.93            | 2,059.22            | 1,988.09            | 10.75           | 11.18       | 109.00                | -542.26                           | 268.90     | 671.88               | 651.14                | 20.74                   | 32.395            |                    |         |
| 2,300.00                   | 2,262.56            | 2,153.35            | 2,076.64            | 11.24           | 11.75       | 108.92                | -568.21                           | 287.51     | 705.62               | 683.94                | 21.68                   | 32.540            |                    |         |
| 2,400.00                   | 2,360.20            | 2,247.48            | 2,165.19            | 11.73           | 12.32       | 108.84                | -594.16                           | 306.12     | 739.36               | 716.73                | 22.64                   | 32.663            |                    |         |
| 2,500.00                   | 2,457.84            | 2,341.61            | 2,253.74            | 12.22           | 12.89       | 108.77                | -620.10                           | 324.73     | 773.10               | 749.51                | 23.59                   | 32.770            |                    |         |
| 2,600.00                   | 2,555.48            | 2,435.74            | 2,342.29            | 12.71           | 13.46       | 108.71                | -646.05                           | 343.34     | 806.85               | 782.30                | 24.55                   | 32.861            |                    |         |
| 2,700.00                   | 2,653.11            | 2,529.88            | 2,430.84            | 13.20           | 14.04       | 108.65                | -672.00                           | 361.95     | 840.59               | 815.07                | 25.52                   | 32.940            |                    |         |
| 2,800.00                   | 2,750.75            | 2,624.01            | 2,519.39            | 13.70           | 14.62       | 108.60                | -697.95                           | 380.57     | 874.34               | 847.85                | 26.49                   | 33.008            |                    |         |
| 2,900.00                   | 2,848.39            | 2,718.14            | 2,607.94            | 14.19           | 15.20       | 108.55                | -723.89                           | 399.18     | 908.08               | 880.62                | 27.46                   | 33.068            |                    |         |
| 3,000.00                   | 2,946.02            | 2,812.27            | 2,696.49            | 14.69           | 15.78       | 108.50                | -749.84                           | 417.79     | 941.83               | 913.39                | 28.44                   | 33.120            |                    |         |
| 3,100.00                   | 3,043.66            | 2,906.40            | 2,785.04            | 15.19           | 16.37       | 108.46                | -775.79                           | 436.40     | 975.58               | 946.16                | 29.42                   | 33.165            |                    |         |
| 3,200.00                   | 3,141.30            | 3,000.53            | 2,873.59            | 15.69           | 16.95       | 108.42                | -801.74                           | 455.01     | 1,009.33             | 978.93                | 30.40                   | 33.204            |                    |         |
| 3,300.00                   | 3,238.94            | 3,105.34            | 2,962.13            | 16.19           | 17.60       | 108.38                | -827.69                           | 473.62     | 1,043.07             | 1,011.63              | 31.44                   | 33.177            |                    |         |
| 3,400.00                   | 3,336.57            | 3,188.79            | 3,050.68            | 16.69           | 18.13       | 108.34                | -853.63                           | 492.23     | 1,076.82             | 1,044.46              | 32.37                   | 33.269            |                    |         |
| 3,500.00                   | 3,434.21            | 3,282.92            | 3,139.23            | 17.19           | 18.71       | 108.31                | -879.58                           | 510.84     | 1,110.57             | 1,077.22              | 33.35                   | 33.296            |                    |         |
| 3,600.00                   | 3,531.85            | 3,377.06            | 3,227.78            | 17.69           | 19.30       | 108.28                | -905.53                           | 529.45     | 1,144.32             | 1,109.98              | 34.34                   | 33.320            |                    |         |
| 3,700.00                   | 3,629.48            | 3,471.19            | 3,316.33            | 18.20           | 19.89       | 108.25                | -931.48                           | 548.07     | 1,178.07             | 1,142.73              | 35.33                   | 33.341            |                    |         |
| 3,800.00                   | 3,727.12            | 3,565.32            | 3,404.88            | 18.70           | 20.48       | 108.22                | -957.43                           | 566.68     | 1,211.82             | 1,175.49              | 36.33                   | 33.359            |                    |         |
| 3,900.00                   | 3,824.76            | 3,659.45            | 3,493.43            | 19.21           | 21.08       | 108.20                | -983.37                           | 585.29     | 1,245.57             | 1,208.25              | 37.32                   | 33.375            |                    |         |
| 4,000.00                   | 3,922.40            | 3,753.58            | 3,581.98            | 19.71           | 21.67       | 108.17                | -1,009.32                         | 603.90     | 1,279.32             | 1,241.00              | 38.32                   | 33.389            |                    |         |
| 4,100.00                   | 4,020.03            | 3,847.71            | 3,670.53            | 20.21           | 22.26       | 108.15                | -1,035.27                         | 622.51     | 1,313.07             | 1,273.76              | 39.31                   | 33.402            |                    |         |
| 4,200.00                   | 4,117.67            | 3,941.84            | 3,759.08            | 20.72           | 22.85       | 108.12                | -1,061.22                         | 641.12     | 1,346.82             | 1,306.51              | 40.31                   | 33.412            |                    |         |
| 4,300.00                   | 4,215.31            | 4,035.97            | 3,847.63            | 21.23           | 23.45       | 108.10                | -1,087.16                         | 659.73     | 1,380.57             | 1,339.26              | 41.31                   | 33.422            |                    |         |
| 4,400.00                   | 4,312.94            | 4,130.10            | 3,936.18            | 21.73           | 24.04       | 108.08                | -1,113.11                         | 678.34     | 1,414.32             | 1,372.01              | 42.31                   | 33.431            |                    |         |
| 4,500.00                   | 4,410.58            | 4,224.24            | 4,024.73            | 22.24           | 24.64       | 108.06                | -1,139.06                         | 696.95     | 1,448.07             | 1,404.76              | 43.31                   | 33.438            |                    |         |
| 4,600.00                   | 4,508.22            | 4,318.37            | 4,113.28            | 22.75           | 25.23       | 108.04                | -1,165.01                         | 715.57     | 1,481.82             | 1,437.51              | 44.31                   | 33.444            |                    |         |
| 4,700.00                   | 4,605.86            | 4,412.50            | 4,201.83            | 23.25           | 25.83       | 108.03                | -1,190.96                         | 734.18     | 1,515.57             | 1,470.26              | 45.31                   | 33.450            |                    |         |
| 4,800.00                   | 4,703.49            | 4,506.63            | 4,290.38            | 23.76           | 26.42       | 108.01                | -1,216.90                         | 752.79     | 1,549.32             | 1,503.01              | 46.31                   | 33.455            |                    |         |
| 4,900.00                   | 4,801.13            | 4,600.76            | 4,378.93            | 24.27           | 27.02       | 107.99                | -1,242.85                         | 771.40     | 1,583.08             | 1,535.76              | 47.31                   | 33.459            |                    |         |
| 5,000.00                   | 4,898.77            | 4,694.89            | 4,467.48            | 24.77           | 27.61       | 107.98                | -1,268.80                         | 790.01     | 1,616.83             | 1,568.51              | 48.32                   | 33.462            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 4,789.02            | 4,556.03            | 25.28           | 28.21       | 107.96                | -1,294.75                         | 808.62     | 1,650.58             | 1,601.26              | 49.32                   | 33.465            |                    |         |
| 5,200.00                   | 5,094.04            | 4,883.15            | 4,644.57            | 25.79           | 28.81       | 107.95                | -1,320.70                         | 827.23     | 1,684.33             | 1,634.00              | 50.33                   | 33.468            |                    |         |
| 5,300.00                   | 5,191.68            | 4,977.29            | 4,733.12            | 26.30           | 29.40       | 107.94                | -1,346.64                         | 845.84     | 1,718.08             | 1,666.75              | 51.33                   | 33.470            |                    |         |
| 5,400.00                   | 5,289.32            | 5,071.42            | 4,821.67            | 26.81           | 30.00       | 107.92                | -1,372.59                         | 864.45     | 1,751.83             | 1,699.50              | 52.34                   | 33.471            |                    |         |
| 5,500.00                   | 5,386.95            | 5,165.55            | 4,910.22            | 27.32           | 30.60       | 107.91                | -1,398.54                         | 883.07     | 1,785.59             | 1,732.24              | 53.34                   | 33.472            |                    |         |
| 5,600.00                   | 5,484.59            | 5,259.68            | 4,998.77            | 27.83           | 31.19       | 107.90                | -1,424.49                         | 901.68     | 1,819.34             | 1,764.99              | 54.35                   | 33.473            |                    |         |
| 5,700.00                   | 5,582.23            | 5,353.81            | 5,087.32            | 28.33           | 31.79       | 107.89                | -1,450.43                         | 920.29     | 1,853.09             | 1,797.73              | 55.36                   | 33.474            |                    |         |
| 5,800.00                   | 5,679.87            | 5,447.94            | 5,175.87            | 28.84           | 32.39       | 107.87                | -1,476.38                         | 938.90     | 1,886.84             | 1,830.47              | 56.37                   | 33.474            |                    |         |
| 5,900.00                   | 5,777.50            | 5,542.07            | 5,264.42            | 29.35           | 32.99       | 107.86                | -1,502.33                         | 957.51     | 1,920.59             | 1,863.22              | 57.38                   | 33.474            |                    |         |
| 6,000.00                   | 5,875.14            | 5,636.20            | 5,352.97            | 29.86           | 33.59       | 107.85                | -1,528.28                         | 976.12     | 1,954.35             | 1,895.96              | 58.38                   | 33.474            |                    |         |
| 6,100.00                   | 5,972.78            | 5,730.33            | 5,441.52            | 30.37           | 34.18       | 107.84                | -1,554.23                         | 994.73     | 1,988.10             | 1,928.71              | 59.39                   | 33.474            |                    |         |
| 6,200.00                   | 6,070.41            | 5,824.47            | 5,530.07            | 30.88           | 34.78       | 107.83                | -1,580.17                         | 1,013.34   | 2,021.85             | 1,961.45              | 60.40                   | 33.473            |                    |         |
| 6,300.00                   | 6,168.05            | 5,918.60            | 5,618.62            | 31.39           | 35.38       | 107.82                | -1,606.12                         | 1,031.95   | 2,055.60             | 1,994.19              | 61.41                   | 33.472            |                    |         |
| 6,400.00                   | 6,265.69            | 6,012.73            | 5,707.17            | 31.90           | 35.98       | 107.81                | -1,632.07                         | 1,050.57   | 2,089.36             | 2,026.93              | 62.42                   | 33.471            |                    |         |
| 6,439.09                   | 6,303.85            | 6,049.52            | 5,741.78            | 32.10           | 36.21       | 107.81                | -1,642.21                         | 1,057.84   | 2,102.55             | 2,039.73              | 62.82                   | 33.471            |                    |         |
| 6,450.00                   | 6,314.53            | 6,059.79            | 5,751.44            | 32.16           | 36.28       | 109.63                | -1,645.04                         | 1,059.87   | 2,106.23             | 2,043.31              | 62.93                   | 33.471            |                    |         |
| 6,500.00                   | 6,363.83            | 6,106.76            | 5,795.63            | 32.39           | 36.58       | 122.57                | -1,657.99                         | 1,069.16   | 2,123.08             | 2,059.68              | 63.41                   | 33.484            |                    |         |
| 6,550.00                   | 6,413.58            | 6,153.36            | 5,839.46            | 32.60           | 36.87       | 156.55                | -1,670.84                         | 1,078.37   | 2,139.83             | 2,075.98              | 63.85                   | 33.513            |                    |         |
| 6,600.00                   | 6,463.45            | 6,200.69            | 5,882.69            | 32.79           | 37.18       | -141.32               | -1,683.50                         | 1,087.45   | 2,156.41             | 2,092.14              | 64.27                   | 33.552            |                    |         |
| 6,650.00                   | 6,513.15            | 6,244.32            | 5,925.02            | 32.97           | 37.45       | -112.65               | -1,695.91                         | 1,096.35   | 2,172.77             | 2,108.11              | 64.65                   | 33.608            |                    |         |
| 6,700.00                   | 6,562.37            | 6,288.11            | 5,966.22            | 33.15           | 37.73       | -101.58               | -1,707.98                         | 1,105.01   | 2,188.88             | 2,123.85              | 65.02                   | 33.662            |                    |         |
| 6,750.00                   | 6,610.80            | 6,330.42            | 6,006.02            | 33.34           | 38.00       | -95.79                | -1,719.64                         | 1,113.38   | 2,204.74             | 2,139.35              | 65.39                   | 33.718            |                    |         |
| 6,800.00                   | 6,658.14            | 6,370.98            | 6,044.18            | 33.53           | 38.26       | -92.12                | -1,730.82                         | 1,121.40   | 2,220.33             | 2,154.59              | 65.74                   | 33.774            |                    |         |
| 6,850.00                   | 6,704.11            | 6,409.54            | 6,080.45            | 33.74           | 38.51       | -89.50                | -1,741.45                         | 1,129.02   | 2,235.69             | 2,169.60              | 66.09                   | 33.830            |                    |         |
| 6,900.00                   | 6,748.42            | 6,445.87            | 6,114.63            | 33.97           | 38.74       | -87.48                | -1,751.47                         | 1,136.20   | 2,250.82             | 2,184.39              | 66.42                   | 33.885            |                    |         |
| 6,950.00                   | 6,790.79            | 6,479.75            | 6,146.49            | 34.21           | 38.95       | -85.82                | -1,760.81                         | 1,142.90   | 2,265.74             | 2,198.98              | 66.76                   | 33.938            |                    |         |
| 7,000.00                   | 6,830.97            | 6,510.95            | 6,175.85            | 34.48           | 39.15       | -84.40                | -1,769.41                         | 1,149.07   | 2,280.50             | 2,213.40              | 67.10                   | 33.988            |                    |         |
| 7,050.00                   | 6,868.71            | 6,539.30            | 6,202.52            | 34.77           | 39.33       | -83.13                | -1,777.22                         | 1,154.68   | 2,295.10             | 2,227.67              | 67.43                   | 34.035            |                    |         |
| 7,100.00                   | 6,903.77            | 6,564.61            | 6,226.33            | 35.09           | 39.49       | -81.95                | -1,784.20                         | 1,159.68   | 2,309.58             | 2,241.81              | 67.78                   | 34.076            |                    |         |
| 7,150.00                   | 6,935.93            | 6,586.73            | 6,247.14            | 35.44           | 39.63       | -80.81                | -1,790.30                         | 1,164.05   | 2,323.95             | 2,255.82              | 68.13                   | 34.111            |                    |         |
| 7,200.00                   | 6,965.01            | 6,605.53            | 6,264.82            | 35.83           | 39.75       | -79.70                | -1,795.48                         | 1,167.77   | 2,338.21             | 2,269.72              | 68.49                   | 34.139            |                    |         |
| 7,250.00                   | 6,990.82            | 6,620.88            | 6,279.26            | 36.26           | 39.85       | -78.57                | -1,799.71                         | 1,170.81   | 2,352.37             | 2,283.51              | 68.86                   | 34.160            |                    |         |
| 7,300.00                   | 7,013.20            | 6,632.70            | 6,290.38            | 36.72           | 39.93       | -77.43                | -1,802.97                         | 1,173.14   | 2,366.40             | 2,297.15              | 69.25                   | 34.172            |                    |         |
| 7,350.00                   | 7,032.02            | 6,640.91            | 6,298.10            | 37.23           | 39.98       | -76.26                | -1,805.23                         | 1,174.77   | 2,380.27             | 2,310.63              | 69.65                   | 34.176            |                    |         |
| 7,400.00                   | 7,047.15            | 6,645.45            | 6,302.37            | 37.77           | 40.01       | -75.06                | -1,806.48                         | 1,175.66   | 2,393.95             | 2,323.89              | 70.06                   | 34.172            |                    |         |
| 7,450.00                   | 7,058.51            | 6,646.31            | 6,303.18            | 38.34           | 40.01       | -73.83                | -1,806.72                         | 1,175.83   | 2,407.36             | 2,336.89              | 70.47                   | 34.162            |                    |         |
| 7,500.00                   | 7,066.02            | 6,643.47            | 6,300.51            | 38.95           | 39.99       | -72.57                | -1,805.94                         | 1,175.27   | 2,420.44             | 2,349.56              | 70.88                   | 34.146            |                    |         |
| 7,550.00                   | 7,069.64            | 6,636.96            | 6,294.39            | 39.58           | 39.95       | -71.30                | -1,804.14                         | 1,173.98   | 2,433.10             | 2,361.81              | 71.30                   | 34.127            |                    |         |
| 7,571.20                   | 7,070.00            | 6,633.10            | 6,290.75            | 39.85           | 39.93       | -70.76                | -1,803.08                         | 1,173.22   | 2,438.32             | 2,366.85              | 71.47                   | 34.118            |                    |         |
| 7,600.00                   | 7,070.00            | 6,627.41            | 6,285.40            | 40.23           | 39.89       | -70.63                | -1,801.51                         | 1,172.10   | 2,445.49             | 2,373.79              | 71.70                   | 34.105            |                    |         |
| 7,700.00                   | 7,070.01            | 7,917.64            | 7,065.98            | 41.64           | 45.92       | -89.91                | -2,026.23                         | 444.32     | 2,455.65             | 2,370.58              | 85.08                   | 28.864            |                    |         |
| 7,800.00                   | 7,070.02            | 8,017.64            | 7,066.81            | 43.20           | 47.05       | -89.93                | -2,026.02                         | 344.32     | 2,455.41             | 2,367.29              | 88.12                   | 27.864            |                    |         |
| 7,900.00                   | 7,070.03            | 8,117.63            | 7,067.63            | 44.89           | 48.35       | -89.94                | -2,025.81                         | 244.33     | 2,455.16             | 2,363.74              | 91.42                   | 26.856            |                    |         |
| 8,000.00                   | 7,070.04            | 8,217.63            | 7,068.46            | 46.69           | 49.82       | -89.96                | -2,025.60                         | 144.34     | 2,454.92             | 2,359.97              | 94.95                   | 25.854            |                    |         |
| 8,100.00                   | 7,070.05            | 8,317.63            | 7,069.28            | 48.60           | 51.44       | -89.98                | -2,025.39                         | 44.35      | 2,454.68             | 2,355.99              | 98.69                   | 24.873            |                    |         |
| 8,200.00                   | 7,070.05            | 8,417.62            | 7,070.11            | 50.59           | 53.18       | -90.00                | -2,025.18                         | -55.65     | 2,454.43             | 2,351.83              | 102.61                  | 23.921            |                    |         |
| 8,300.00                   | 7,070.06            | 8,517.62            | 7,070.93            | 52.66           | 55.04       | -90.02                | -2,024.97                         | -155.64    | 2,454.19             | 2,347.50              | 106.69                  | 23.003            |                    |         |
| 8,400.00                   | 7,070.07            | 8,617.61            | 7,071.76            | 54.81           | 57.00       | -90.04                | -2,024.76                         | -255.63    | 2,453.95             | 2,343.03              | 110.91                  | 22.125            |                    |         |
| 8,500.00                   | 7,070.08            | 8,717.61            | 7,072.59            | 57.02           | 59.04       | -90.06                | -2,024.55                         | -355.63    | 2,453.71             | 2,338.44              | 115.27                  | 21.287            |                    |         |
| 8,600.00                   | 7,070.09            | 8,817.61            | 7,073.41            | 59.28           | 61.17       | -90.08                | -2,024.34                         | -455.62    | 2,453.46             | 2,333.73              | 119.74                  | 20.490            |                    |         |
| 8,700.00                   | 7,070.10            | 8,917.60            | 7,074.24            | 61.60           | 63.35       | -90.10                | -2,024.14                         | -555.61    | 2,453.22             | 2,328.91              | 124.31                  | 19.734            |                    |         |
| 8,800.00                   | 7,070.11            | 9,017.60            | 7,075.06            | 63.95           | 65.60       | -90.12                | -2,023.93                         | -655.60    | 2,452.98             | 2,324.01              | 128.98                  | 19.019            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                   | 7,070.12            | 9,117.60            | 7,075.89            | 66.35           | 67.89       | -90.13                | -2,023.72                         | -755.60    | 2,452.74             | 2,319.02              | 133.72                  | 18.342            |                    |         |
| 9,000.00                   | 7,070.13            | 9,217.59            | 7,076.72            | 68.79           | 70.23       | -90.15                | -2,023.51                         | -855.59    | 2,452.50             | 2,313.96              | 138.54                  | 17.702            |                    |         |
| 9,100.00                   | 7,070.13            | 9,317.59            | 7,077.54            | 71.25           | 72.62       | -90.17                | -2,023.30                         | -955.58    | 2,452.26             | 2,308.83              | 143.43                  | 17.098            |                    |         |
| 9,200.00                   | 7,070.14            | 9,417.59            | 7,078.37            | 73.74           | 75.04       | -90.19                | -2,023.09                         | -1,055.57  | 2,452.02             | 2,303.65              | 148.37                  | 16.526            |                    |         |
| 9,300.00                   | 7,070.15            | 9,517.58            | 7,079.19            | 76.26           | 77.49       | -90.21                | -2,022.88                         | -1,155.57  | 2,451.78             | 2,298.41              | 153.37                  | 15.986            |                    |         |
| 9,400.00                   | 7,070.16            | 9,617.58            | 7,080.02            | 78.80           | 79.97       | -90.23                | -2,022.67                         | -1,255.56  | 2,451.54             | 2,293.12              | 158.42                  | 15.475            |                    |         |
| 9,500.00                   | 7,070.17            | 9,717.57            | 7,080.84            | 81.37           | 82.47       | -90.25                | -2,022.46                         | -1,355.55  | 2,451.30             | 2,287.79              | 163.51                  | 14.992            |                    |         |
| 9,600.00                   | 7,070.18            | 9,817.57            | 7,081.67            | 83.95           | 85.00       | -90.27                | -2,022.25                         | -1,455.55  | 2,451.06             | 2,282.42              | 168.64                  | 14.534            |                    |         |
| 9,700.00                   | 7,070.19            | 9,917.57            | 7,082.50            | 86.55           | 87.55       | -90.29                | -2,022.04                         | -1,555.54  | 2,450.82             | 2,277.01              | 173.81                  | 14.101            |                    |         |
| 9,800.00                   | 7,070.20            | 10,017.56           | 7,083.32            | 89.17           | 90.12       | -90.31                | -2,021.83                         | -1,655.53  | 2,450.58             | 2,271.57              | 179.01                  | 13.690            |                    |         |
| 9,900.00                   | 7,070.21            | 10,117.56           | 7,084.15            | 91.80           | 92.71       | -90.33                | -2,021.63                         | -1,755.52  | 2,450.34             | 2,266.10              | 184.24                  | 13.300            |                    |         |
| 10,000.00                  | 7,070.21            | 10,217.56           | 7,084.97            | 94.44           | 95.32       | -90.35                | -2,021.42                         | -1,855.52  | 2,450.11             | 2,260.60              | 189.50                  | 12.929            |                    |         |
| 10,100.00                  | 7,070.22            | 10,317.55           | 7,085.80            | 97.10           | 97.94       | -90.36                | -2,021.21                         | -1,955.51  | 2,449.87             | 2,255.08              | 194.79                  | 12.577            |                    |         |
| 10,200.00                  | 7,070.23            | 10,417.55           | 7,086.63            | 99.77           | 100.57      | -90.38                | -2,021.00                         | -2,055.50  | 2,449.63             | 2,249.53              | 200.10                  | 12.242            |                    |         |
| 10,300.00                  | 7,070.24            | 10,517.55           | 7,087.45            | 102.44          | 103.21      | -90.40                | -2,020.79                         | -2,155.49  | 2,449.39             | 2,243.96              | 205.43                  | 11.923            |                    |         |
| 10,400.00                  | 7,070.25            | 10,617.54           | 7,088.28            | 105.13          | 105.87      | -90.42                | -2,020.58                         | -2,255.49  | 2,449.16             | 2,238.37              | 210.78                  | 11.619            |                    |         |
| 10,500.00                  | 7,070.26            | 10,717.54           | 7,089.10            | 107.83          | 108.54      | -90.44                | -2,020.37                         | -2,355.48  | 2,448.92             | 2,232.77              | 216.15                  | 11.330            |                    |         |
| 10,600.00                  | 7,070.27            | 10,817.53           | 7,089.93            | 110.53          | 111.22      | -90.46                | -2,020.16                         | -2,455.47  | 2,448.68             | 2,227.14              | 221.54                  | 11.053            |                    |         |
| 10,700.00                  | 7,070.28            | 10,917.53           | 7,090.75            | 113.24          | 113.90      | -90.48                | -2,019.95                         | -2,555.47  | 2,448.45             | 2,221.50              | 226.95                  | 10.789            |                    |         |
| 10,800.00                  | 7,070.28            | 11,017.53           | 7,091.58            | 115.96          | 116.60      | -90.50                | -2,019.74                         | -2,655.46  | 2,448.21             | 2,215.85              | 232.37                  | 10.536            |                    |         |
| 10,900.00                  | 7,070.29            | 11,117.52           | 7,092.41            | 118.69          | 119.30      | -90.52                | -2,019.53                         | -2,755.45  | 2,447.98             | 2,210.18              | 237.80                  | 10.294            |                    |         |
| 11,000.00                  | 7,070.30            | 11,217.52           | 7,093.23            | 121.42          | 122.01      | -90.54                | -2,019.32                         | -2,855.44  | 2,447.74             | 2,204.50              | 243.25                  | 10.063            |                    |         |
| 11,100.00                  | 7,070.31            | 11,317.52           | 7,094.06            | 124.16          | 124.73      | -90.56                | -2,019.12                         | -2,955.44  | 2,447.51             | 2,198.80              | 248.70                  | 9.841             |                    |         |
| 11,200.00                  | 7,070.32            | 11,417.51           | 7,094.88            | 126.90          | 127.45      | -90.58                | -2,018.91                         | -3,055.43  | 2,447.27             | 2,193.10              | 254.17                  | 9.628             |                    |         |
| 11,300.00                  | 7,070.33            | 11,517.51           | 7,095.71            | 129.65          | 130.18      | -90.59                | -2,018.70                         | -3,155.42  | 2,447.04             | 2,187.38              | 259.65                  | 9.424             |                    |         |
| 11,400.00                  | 7,070.34            | 11,617.51           | 7,096.54            | 132.40          | 132.92      | -90.61                | -2,018.49                         | -3,255.41  | 2,446.80             | 2,181.66              | 265.15                  | 9.228             |                    |         |
| 11,500.00                  | 7,070.35            | 11,717.50           | 7,097.36            | 135.16          | 135.66      | -90.63                | -2,018.28                         | -3,355.41  | 2,446.57             | 2,175.92              | 270.65                  | 9.040             |                    |         |
| 11,600.00                  | 7,070.36            | 11,817.50           | 7,098.19            | 137.92          | 138.41      | -90.65                | -2,018.07                         | -3,455.40  | 2,446.33             | 2,170.18              | 276.15                  | 8.859             |                    |         |
| 11,700.00                  | 7,070.36            | 11,917.50           | 7,099.01            | 140.69          | 141.16      | -90.67                | -2,017.86                         | -3,555.39  | 2,446.10             | 2,164.43              | 281.67                  | 8.684             |                    |         |
| 11,800.00                  | 7,070.37            | 12,017.49           | 7,099.84            | 143.46          | 143.91      | -90.69                | -2,017.65                         | -3,655.39  | 2,445.87             | 2,158.67              | 287.20                  | 8.516             |                    |         |
| 11,900.00                  | 7,070.38            | 12,117.49           | 7,100.67            | 146.23          | 146.67      | -90.71                | -2,017.44                         | -3,755.38  | 2,445.64             | 2,152.91              | 292.73                  | 8.355             |                    |         |
| 12,000.00                  | 7,070.39            | 12,217.48           | 7,101.49            | 149.01          | 149.43      | -90.73                | -2,017.23                         | -3,855.37  | 2,445.40             | 2,147.14              | 298.27                  | 8.199             |                    |         |
| 12,100.00                  | 7,070.40            | 12,317.48           | 7,102.32            | 151.79          | 152.20      | -90.75                | -2,017.02                         | -3,955.36  | 2,445.17             | 2,141.36              | 303.81                  | 8.048             |                    |         |
| 12,200.00                  | 7,070.41            | 12,417.48           | 7,103.14            | 154.57          | 154.97      | -90.77                | -2,016.81                         | -4,055.36  | 2,444.94             | 2,135.57              | 309.37                  | 7.903             |                    |         |
| 12,300.00                  | 7,070.42            | 12,517.47           | 7,103.97            | 157.35          | 157.74      | -90.79                | -2,016.61                         | -4,155.35  | 2,444.71             | 2,129.78              | 314.92                  | 7.763             |                    |         |
| 12,400.00                  | 7,070.43            | 12,617.47           | 7,104.79            | 160.14          | 160.52      | -90.81                | -2,016.40                         | -4,255.34  | 2,444.48             | 2,123.99              | 320.49                  | 7.627             |                    |         |
| 12,500.00                  | 7,070.44            | 12,717.47           | 7,105.62            | 162.93          | 163.30      | -90.82                | -2,016.19                         | -4,355.33  | 2,444.24             | 2,118.19              | 326.06                  | 7.496             |                    |         |
| 12,600.00                  | 7,070.44            | 12,817.46           | 7,106.45            | 165.72          | 166.08      | -90.84                | -2,015.98                         | -4,455.33  | 2,444.01             | 2,112.38              | 331.63                  | 7.370             |                    |         |
| 12,700.00                  | 7,070.45            | 12,917.46           | 7,107.27            | 168.52          | 168.86      | -90.86                | -2,015.77                         | -4,555.32  | 2,443.78             | 2,106.57              | 337.21                  | 7.247             |                    |         |
| 12,800.00                  | 7,070.46            | 13,017.46           | 7,108.10            | 171.32          | 171.65      | -90.88                | -2,015.56                         | -4,655.31  | 2,443.55             | 2,100.76              | 342.79                  | 7.128             |                    |         |
| 12,900.00                  | 7,070.47            | 13,117.45           | 7,108.92            | 174.11          | 174.44      | -90.90                | -2,015.35                         | -4,755.31  | 2,443.32             | 2,094.94              | 348.38                  | 7.013             |                    |         |
| 13,000.00                  | 7,070.48            | 13,217.45           | 7,109.75            | 176.92          | 177.23      | -90.92                | -2,015.14                         | -4,855.30  | 2,443.09             | 2,089.12              | 353.97                  | 6.902             |                    |         |
| 13,100.00                  | 7,070.49            | 13,317.44           | 7,110.58            | 179.72          | 180.02      | -90.94                | -2,014.93                         | -4,955.29  | 2,442.86             | 2,083.30              | 359.56                  | 6.794             |                    |         |
| 13,158.31                  | 7,070.49            | 13,375.75           | 7,111.06            | 181.35          | 181.65      | -90.95                | -2,014.81                         | -5,013.60  | 2,442.73             | 2,079.90              | 362.83                  | 6.732             |                    |         |
| 13,200.00                  | 7,070.50            | 13,368.87           | 7,111.00            | 182.52          | 181.46      | -90.95                | -2,014.82                         | -5,006.71  | 2,443.12             | 2,079.46              | 363.66                  | 6.718             |                    |         |
| 13,300.00                  | 7,070.51            | 13,368.87           | 7,111.00            | 185.33          | 181.46      | -90.95                | -2,014.82                         | -5,006.71  | 2,446.92             | 2,081.19              | 365.73                  | 6.690             |                    |         |
| 13,400.00                  | 7,070.52            | 13,368.87           | 7,111.00            | 188.14          | 181.46      | -90.95                | -2,014.82                         | -5,006.71  | 2,454.79             | 2,087.58              | 367.21                  | 6.685 SF          |                    |         |
| 13,500.00                  | 7,070.52            | 13,368.87           | 7,111.00            | 190.95          | 181.46      | -90.95                | -2,014.82                         | -5,006.71  | 2,466.70             | 2,098.59              | 368.11                  | 6.701             |                    |         |
| 13,600.00                  | 7,070.53            | 13,368.87           | 7,111.00            | 193.76          | 181.46      | -90.95                | -2,014.82                         | -5,006.71  | 2,482.58             | 2,114.15              | 368.42                  | 6.738             |                    |         |
| 13,700.00                  | 7,070.54            | 13,368.87           | 7,111.00            | 196.57          | 181.46      | -90.95                | -2,014.82                         | -5,006.71  | 2,502.36             | 2,134.17              | 368.19                  | 6.796             |                    |         |
| 13,800.00                  | 7,070.55            | 13,368.87           | 7,111.00            | 199.38          | 181.46      | -90.95                | -2,014.82                         | -5,006.71  | 2,525.94             | 2,158.51              | 367.43                  | 6.875             |                    |         |
| 13,900.00                  | 7,070.56            | 13,368.87           | 7,111.00            | 202.20          | 181.46      | -90.95                | -2,014.82                         | -5,006.71  | 2,553.23             | 2,187.05              | 366.17                  | 6.973             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1 |                |                |                |                 |        |                   |                        |            |                 |                  |                    |                   | Offset Site Error: | 0.00 ft |
|---|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|--------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                      |                |                |                |                 |        |                   |                        |            |                 |                  |                    |                   | Offset Well Error: | 3.28 ft |
| Reference   |                | Offset         |                | Semi Major Axis |        |                   | Distance               |            |                 |                  |                    |                   |                    | Warning |
| Measured Depth  | Vertical Depth | Measured Depth | Vertical Depth | Reference       | Offset | Highside Toolface | Offset Wellbore Centre |            | Between Centres | Between Ellipses | Minimum Separation | Separation Factor |                    |         |
| (ft)  | (ft)           | (ft)           | (ft)           | (ft)            | (ft)   | (°)               | +N/-S (ft)             | +E/-W (ft) | (ft)            | (ft)             | (ft)               |                   |                    |         |
| 14,000.00   | 7,070.57       | 13,368.87      | 7,111.00       | 205.01          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 2,584.10        | 2,219.64         | 364.46             | 7.090             |                    |         |
| 14,100.00   | 7,070.58       | 13,368.87      | 7,111.00       | 207.83          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 2,618.43        | 2,256.09         | 362.34             | 7.227             |                    |         |
| 14,200.00   | 7,070.59       | 13,368.87      | 7,111.00       | 210.65          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 2,656.08        | 2,296.25         | 359.83             | 7.381             |                    |         |
| 14,300.00   | 7,070.60       | 13,368.87      | 7,111.00       | 213.47          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 2,696.92        | 2,339.91         | 357.00             | 7.554             |                    |         |
| 14,400.00   | 7,070.60       | 13,368.87      | 7,111.00       | 216.29          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 2,740.80        | 2,386.91         | 353.88             | 7.745             |                    |         |
| 14,500.00   | 7,070.61       | 13,368.87      | 7,111.00       | 219.11          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 2,787.57        | 2,437.05         | 350.52             | 7.953             |                    |         |
| 14,600.00   | 7,070.62       | 13,368.87      | 7,111.00       | 221.94          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 2,837.10        | 2,490.15         | 346.95             | 8.177             |                    |         |
| 14,700.00   | 7,070.63       | 13,368.87      | 7,111.00       | 224.76          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 2,889.25        | 2,546.04         | 343.21             | 8.418             |                    |         |
| 14,800.00   | 7,070.64       | 13,368.87      | 7,111.00       | 227.58          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 2,943.86        | 2,604.53         | 339.33             | 8.675             |                    |         |
| 14,900.00   | 7,070.65       | 13,368.87      | 7,111.00       | 230.41          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,000.82        | 2,665.46         | 335.36             | 8.948             |                    |         |
| 15,000.00   | 7,070.66       | 13,368.87      | 7,111.00       | 233.24          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,059.99        | 2,728.68         | 331.31             | 9.236             |                    |         |
| 15,100.00   | 7,070.67       | 13,368.87      | 7,111.00       | 236.06          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,121.24        | 2,794.03         | 327.21             | 9.539             |                    |         |
| 15,200.00   | 7,070.68       | 13,368.87      | 7,111.00       | 238.89          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,184.45        | 2,861.36         | 323.09             | 9.856             |                    |         |
| 15,300.00   | 7,070.68       | 13,368.87      | 7,111.00       | 241.72          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,249.51        | 2,930.54         | 318.97             | 10.188            |                    |         |
| 15,400.00   | 7,070.69       | 13,368.87      | 7,111.00       | 244.55          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,316.31        | 3,001.46         | 314.85             | 10.533            |                    |         |
| 15,500.00   | 7,070.70       | 13,368.87      | 7,111.00       | 247.38          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,384.75        | 3,073.98         | 310.77             | 10.892            |                    |         |
| 15,600.00   | 7,070.71       | 13,368.87      | 7,111.00       | 250.21          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,454.72        | 3,148.00         | 306.72             | 11.263            |                    |         |
| 15,700.00   | 7,070.72       | 13,368.87      | 7,111.00       | 253.04          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,526.14        | 3,223.41         | 302.73             | 11.648            |                    |         |
| 15,800.00   | 7,070.73       | 13,368.87      | 7,111.00       | 255.87          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,598.93        | 3,300.13         | 298.80             | 12.045            |                    |         |
| 15,900.00   | 7,070.74       | 13,368.87      | 7,111.00       | 258.71          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,672.99        | 3,378.06         | 294.93             | 12.454            |                    |         |
| 16,000.00   | 7,070.75       | 13,368.87      | 7,111.00       | 261.54          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,748.26        | 3,457.12         | 291.14             | 12.874            |                    |         |
| 16,100.00   | 7,070.76       | 13,368.87      | 7,111.00       | 264.37          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,824.67        | 3,537.24         | 287.43             | 13.307            |                    |         |
| 16,200.00   | 7,070.76       | 13,368.87      | 7,111.00       | 267.21          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,902.14        | 3,618.34         | 283.79             | 13.750            |                    |         |
| 16,300.00   | 7,070.77       | 13,368.87      | 7,111.00       | 270.04          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 3,980.61        | 3,700.37         | 280.24             | 14.204            |                    |         |
| 16,400.00   | 7,070.78       | 13,368.87      | 7,111.00       | 272.88          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,060.03        | 3,783.25         | 276.78             | 14.669            |                    |         |
| 16,500.00   | 7,070.79       | 13,368.87      | 7,111.00       | 275.71          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,140.35        | 3,866.94         | 273.40             | 15.144            |                    |         |
| 16,600.00   | 7,070.80       | 13,368.87      | 7,111.00       | 278.55          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,221.50        | 3,951.39         | 270.11             | 15.629            |                    |         |
| 16,700.00   | 7,070.81       | 13,368.87      | 7,111.00       | 281.39          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,303.45        | 4,036.54         | 266.90             | 16.124            |                    |         |
| 16,800.00   | 7,070.82       | 13,368.87      | 7,111.00       | 284.22          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,386.14        | 4,122.36         | 263.78             | 16.628            |                    |         |
| 16,900.00   | 7,070.83       | 13,368.87      | 7,111.00       | 287.06          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,469.55        | 4,208.79         | 260.75             | 17.141            |                    |         |
| 17,000.00   | 7,070.84       | 13,368.87      | 7,111.00       | 289.90          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,553.62        | 4,295.82         | 257.80             | 17.663            |                    |         |
| 17,100.00   | 7,070.84       | 13,368.87      | 7,111.00       | 292.74          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,638.32        | 4,383.39         | 254.93             | 18.194            |                    |         |
| 17,200.00   | 7,070.85       | 13,368.87      | 7,111.00       | 295.58          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,723.62        | 4,471.48         | 252.15             | 18.734            |                    |         |
| 17,300.00   | 7,070.86       | 13,368.87      | 7,111.00       | 298.42          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,809.49        | 4,560.05         | 249.44             | 19.281            |                    |         |
| 17,400.00   | 7,070.87       | 13,368.87      | 7,111.00       | 301.26          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,895.90        | 4,649.08         | 246.81             | 19.836            |                    |         |
| 17,500.00   | 7,070.88       | 13,368.87      | 7,111.00       | 304.10          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 4,982.81        | 4,738.55         | 244.26             | 20.400            |                    |         |
| 17,600.00   | 7,070.89       | 13,368.87      | 7,111.00       | 306.94          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,070.21        | 4,828.42         | 241.78             | 20.970            |                    |         |
| 17,700.00   | 7,070.90       | 13,368.87      | 7,111.00       | 309.78          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,158.06        | 4,918.69         | 239.38             | 21.548            |                    |         |
| 17,800.00   | 7,070.91       | 13,368.87      | 7,111.00       | 312.62          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,246.35        | 5,009.31         | 237.04             | 22.133            |                    |         |
| 17,900.00   | 7,070.92       | 13,368.87      | 7,111.00       | 315.46          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,335.05        | 5,100.28         | 234.77             | 22.725            |                    |         |
| 18,000.00   | 7,070.92       | 13,368.87      | 7,111.00       | 318.31          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,424.15        | 5,191.58         | 232.57             | 23.323            |                    |         |
| 18,100.00   | 7,070.93       | 13,368.87      | 7,111.00       | 321.15          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,513.62        | 5,283.19         | 230.43             | 23.928            |                    |         |
| 18,200.00   | 7,070.94       | 13,368.87      | 7,111.00       | 323.99          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,603.44        | 5,375.09         | 228.35             | 24.539            |                    |         |
| 18,300.00   | 7,070.95       | 13,368.87      | 7,111.00       | 326.83          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,693.61        | 5,467.27         | 226.33             | 25.156            |                    |         |
| 18,400.00   | 7,070.96       | 13,368.87      | 7,111.00       | 329.68          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,784.10        | 5,559.72         | 224.38             | 25.779            |                    |         |
| 18,500.00   | 7,070.97       | 13,368.87      | 7,111.00       | 332.52          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,874.89        | 5,652.42         | 222.47             | 26.407            |                    |         |
| 18,600.00   | 7,070.98       | 13,368.87      | 7,111.00       | 335.36          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 5,965.98        | 5,745.36         | 220.63             | 27.041            |                    |         |
| 18,700.00   | 7,070.99       | 13,368.87      | 7,111.00       | 338.21          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 6,057.36        | 5,838.52         | 218.83             | 27.680            |                    |         |
| 18,800.00   | 7,070.99       | 13,368.87      | 7,111.00       | 341.05          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 6,149.00        | 5,931.91         | 217.09             | 28.325            |                    |         |
| 18,858.54   | 7,071.00       | 13,368.87      | 7,111.00       | 342.72          | 181.46 | -90.95            | -2,014.82              | -5,006.71  | 6,202.76        | 5,986.67         | 216.09             | 28.704            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                       | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.47               | -240.08                           | -2.22      | 240.09               |                       |                         |                   |                    |         |
| 100.00                     | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.47               | -240.08                           | -2.22      | 240.09               | 233.52                | 6.57                    | 36.547            |                    |         |
| 200.00                     | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.47               | -240.08                           | -2.22      | 240.09               | 233.41                | 6.67                    | 35.973            |                    |         |
| 300.00                     | 300.00              | 300.00              | 300.00              | 3.44            | 3.44        | -179.47               | -240.08                           | -2.22      | 240.09               | 233.20                | 6.89                    | 34.847 CC, ES     |                    |         |
| 400.00                     | 399.98              | 392.92              | 392.90              | 3.60            | 3.58        | 108.20                | -241.44                           | -1.59      | 242.09               | 234.90                | 7.19                    | 33.661            |                    |         |
| 500.00                     | 499.84              | 485.57              | 485.44              | 3.80            | 3.76        | 108.71                | -245.53                           | 0.30       | 248.13               | 240.54                | 7.58                    | 32.726            |                    |         |
| 600.00                     | 599.45              | 577.69              | 577.25              | 4.04            | 3.97        | 109.48                | -252.28                           | 3.43       | 258.21               | 250.16                | 8.05                    | 32.076            |                    |         |
| 700.00                     | 698.70              | 669.02              | 668.00              | 4.32            | 4.21        | 110.45                | -261.61                           | 7.76       | 272.38               | 263.80                | 8.58                    | 31.739            |                    |         |
| 800.00                     | 797.47              | 759.32              | 757.36              | 4.63            | 4.47        | 111.53                | -273.41                           | 13.23      | 290.67               | 281.51                | 9.16                    | 31.716            |                    |         |
| 900.00                     | 895.62              | 848.36              | 845.02              | 4.97            | 4.76        | 112.63                | -287.54                           | 19.79      | 313.08               | 303.29                | 9.79                    | 31.981            |                    |         |
| 924.00                     | 919.08              | 869.52              | 865.77              | 5.06            | 4.83        | 112.90                | -291.26                           | 21.51      | 319.06               | 309.12                | 9.95                    | 32.081            |                    |         |
| 1,000.00                   | 993.28              | 936.10              | 930.88              | 5.34            | 5.07        | 113.95                | -303.88                           | 27.36      | 339.18               | 328.74                | 10.44                   | 32.488            |                    |         |
| 1,100.00                   | 1,090.92            | 1,022.78            | 1,015.13            | 5.73            | 5.40        | 114.95                | -322.36                           | 35.93      | 367.93               | 356.82                | 11.12                   | 33.092            |                    |         |
| 1,200.00                   | 1,188.56            | 1,108.28            | 1,097.60            | 6.15            | 5.75        | 115.58                | -342.84                           | 45.43      | 399.13               | 387.32                | 11.81                   | 33.791            |                    |         |
| 1,300.00                   | 1,286.19            | 1,192.48            | 1,178.11            | 6.57            | 6.13        | 115.91                | -365.18                           | 55.79      | 432.66               | 420.14                | 12.52                   | 34.563            |                    |         |
| 1,400.00                   | 1,383.83            | 1,275.27            | 1,256.54            | 7.01            | 6.52        | 116.01                | -389.23                           | 66.95      | 468.42               | 455.19                | 13.23                   | 35.400            |                    |         |
| 1,500.00                   | 1,481.47            | 1,356.54            | 1,332.75            | 7.46            | 6.93        | 115.93                | -414.83                           | 78.82      | 506.35               | 492.40                | 13.95                   | 36.298            |                    |         |
| 1,600.00                   | 1,579.10            | 1,436.20            | 1,406.65            | 7.91            | 7.35        | 115.71                | -441.82                           | 91.33      | 546.39               | 531.72                | 14.67                   | 37.253            |                    |         |
| 1,700.00                   | 1,676.74            | 1,514.20            | 1,478.17            | 8.37            | 7.79        | 115.39                | -470.03                           | 104.42     | 588.50               | 573.12                | 15.38                   | 38.263            |                    |         |
| 1,800.00                   | 1,774.38            | 1,590.46            | 1,547.26            | 8.84            | 8.24        | 115.00                | -499.32                           | 118.00     | 632.62               | 616.53                | 16.09                   | 39.324            |                    |         |
| 1,900.00                   | 1,872.02            | 1,667.59            | 1,616.25            | 9.31            | 8.72        | 114.53                | -530.59                           | 132.50     | 678.68               | 661.87                | 16.81                   | 40.365            |                    |         |
| 2,000.00                   | 1,969.65            | 1,755.82            | 1,694.85            | 9.79            | 9.29        | 114.03                | -566.97                           | 149.37     | 725.43               | 707.75                | 17.67                   | 41.045            |                    |         |
| 2,100.00                   | 2,067.29            | 1,844.06            | 1,773.45            | 10.27           | 9.88        | 113.59                | -603.35                           | 166.25     | 772.21               | 753.66                | 18.55                   | 41.629            |                    |         |
| 2,200.00                   | 2,164.93            | 1,932.29            | 1,852.04            | 10.75           | 10.47       | 113.19                | -639.72                           | 183.12     | 819.02               | 799.58                | 19.44                   | 42.133            |                    |         |
| 2,300.00                   | 2,262.56            | 2,020.52            | 1,930.64            | 11.24           | 11.08       | 112.84                | -676.10                           | 199.99     | 865.86               | 845.53                | 20.34                   | 42.572            |                    |         |
| 2,400.00                   | 2,360.20            | 2,108.76            | 2,009.23            | 11.73           | 11.69       | 112.53                | -712.48                           | 216.86     | 912.73               | 891.48                | 21.25                   | 42.955            |                    |         |
| 2,500.00                   | 2,457.84            | 2,203.01            | 2,087.83            | 12.22           | 12.36       | 112.25                | -748.85                           | 233.73     | 959.61               | 937.41                | 22.20                   | 43.221            |                    |         |
| 2,600.00                   | 2,555.48            | 2,285.22            | 2,166.43            | 12.71           | 12.94       | 111.99                | -785.23                           | 250.60     | 1,006.51             | 983.42                | 23.09                   | 43.584            |                    |         |
| 2,700.00                   | 2,653.11            | 2,373.46            | 2,245.02            | 13.20           | 13.57       | 111.75                | -821.61                           | 267.47     | 1,053.43             | 1,029.40              | 24.03                   | 43.844            |                    |         |
| 2,800.00                   | 2,750.75            | 2,461.69            | 2,323.62            | 13.70           | 14.21       | 111.54                | -857.99                           | 284.34     | 1,100.35             | 1,075.39              | 24.97                   | 44.075            |                    |         |
| 2,900.00                   | 2,848.39            | 2,549.92            | 2,402.21            | 14.19           | 14.85       | 111.34                | -894.36                           | 301.21     | 1,147.29             | 1,121.38              | 25.91                   | 44.281            |                    |         |
| 3,000.00                   | 2,946.02            | 2,638.16            | 2,480.81            | 14.69           | 15.49       | 111.16                | -930.74                           | 318.08     | 1,194.24             | 1,167.38              | 26.86                   | 44.464            |                    |         |
| 3,100.00                   | 3,043.66            | 2,726.39            | 2,559.40            | 15.19           | 16.14       | 110.99                | -967.12                           | 334.95     | 1,241.20             | 1,213.39              | 27.81                   | 44.629            |                    |         |
| 3,200.00                   | 3,141.30            | 2,814.63            | 2,638.00            | 15.69           | 16.79       | 110.84                | -1,003.49                         | 351.82     | 1,288.16             | 1,259.39              | 28.77                   | 44.778            |                    |         |
| 3,300.00                   | 3,238.94            | 2,902.86            | 2,716.60            | 16.19           | 17.44       | 110.69                | -1,039.87                         | 368.69     | 1,335.13             | 1,305.40              | 29.73                   | 44.912            |                    |         |
| 3,400.00                   | 3,336.57            | 3,008.91            | 2,795.19            | 16.69           | 18.23       | 110.56                | -1,076.25                         | 385.56     | 1,382.11             | 1,351.31              | 30.80                   | 44.875            |                    |         |
| 3,500.00                   | 3,434.21            | 3,079.33            | 2,873.79            | 17.19           | 18.75       | 110.43                | -1,112.62                         | 402.43     | 1,429.09             | 1,397.44              | 31.66                   | 45.142            |                    |         |
| 3,600.00                   | 3,531.85            | 3,167.56            | 2,952.38            | 17.69           | 19.41       | 110.32                | -1,149.00                         | 419.30     | 1,476.08             | 1,443.45              | 32.63                   | 45.242            |                    |         |
| 3,700.00                   | 3,629.48            | 3,255.79            | 3,030.98            | 18.20           | 20.07       | 110.21                | -1,185.38                         | 436.17     | 1,523.07             | 1,489.48              | 33.60                   | 45.333            |                    |         |
| 3,800.00                   | 3,727.12            | 3,344.03            | 3,109.57            | 18.70           | 20.73       | 110.10                | -1,221.75                         | 453.04     | 1,570.07             | 1,535.50              | 34.57                   | 45.416            |                    |         |
| 3,900.00                   | 3,824.76            | 3,432.26            | 3,188.17            | 19.21           | 21.39       | 110.00                | -1,258.13                         | 469.91     | 1,617.07             | 1,581.53              | 35.55                   | 45.493            |                    |         |
| 4,000.00                   | 3,922.40            | 3,520.49            | 3,266.77            | 19.71           | 22.05       | 109.91                | -1,294.51                         | 486.78     | 1,664.07             | 1,627.55              | 36.52                   | 45.563            |                    |         |
| 4,100.00                   | 4,020.03            | 3,608.73            | 3,345.36            | 20.21           | 22.71       | 109.82                | -1,330.88                         | 503.65     | 1,711.08             | 1,673.58              | 37.50                   | 45.627            |                    |         |
| 4,200.00                   | 4,117.67            | 3,703.04            | 3,423.96            | 20.72           | 23.42       | 109.74                | -1,367.26                         | 520.52     | 1,758.09             | 1,719.57              | 38.52                   | 45.642            |                    |         |
| 4,300.00                   | 4,215.31            | 3,785.20            | 3,502.55            | 21.23           | 24.04       | 109.66                | -1,403.64                         | 537.39     | 1,805.11             | 1,765.64              | 39.46                   | 45.741            |                    |         |
| 4,400.00                   | 4,312.94            | 3,873.43            | 3,581.15            | 21.73           | 24.71       | 109.59                | -1,440.02                         | 554.26     | 1,852.12             | 1,811.67              | 40.45                   | 45.791            |                    |         |
| 4,500.00                   | 4,410.58            | 3,961.66            | 3,659.74            | 22.24           | 25.37       | 109.52                | -1,476.39                         | 571.13     | 1,899.14             | 1,857.71              | 41.43                   | 45.838            |                    |         |
| 4,600.00                   | 4,508.22            | 4,049.90            | 3,738.34            | 22.75           | 26.04       | 109.45                | -1,512.77                         | 588.00     | 1,946.16             | 1,903.74              | 42.42                   | 45.881            |                    |         |
| 4,700.00                   | 4,605.86            | 4,138.13            | 3,816.94            | 23.25           | 26.71       | 109.39                | -1,549.15                         | 604.87     | 1,993.18             | 1,949.78              | 43.40                   | 45.922            |                    |         |
| 4,800.00                   | 4,703.49            | 4,226.36            | 3,895.53            | 23.76           | 27.38       | 109.33                | -1,585.52                         | 621.74     | 2,040.20             | 1,995.81              | 44.39                   | 45.959            |                    |         |
| 4,900.00                   | 4,801.13            | 4,314.60            | 3,974.13            | 24.27           | 28.05       | 109.27                | -1,621.90                         | 638.61     | 2,087.23             | 2,041.85              | 45.38                   | 45.994            |                    |         |
| 5,000.00                   | 4,898.77            | 4,402.83            | 4,052.72            | 24.77           | 28.72       | 109.21                | -1,658.28                         | 655.48     | 2,134.26             | 2,087.88              | 46.37                   | 46.026            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 4,508.94            | 4,131.32            | 25.28           | 29.52       | 109.16                | -1,694.65                         | 672.35     | 2,181.28             | 2,133.81              | 47.47                   | 45.949            |                    |         |
| 5,200.00                   | 5,094.04            | 4,579.30            | 4,209.91            | 25.79           | 30.06       | 109.11                | -1,731.03                         | 689.22     | 2,228.31             | 2,179.96              | 48.35                   | 46.084            |                    |         |
| 5,300.00                   | 5,191.68            | 4,667.53            | 4,288.51            | 26.30           | 30.73       | 109.06                | -1,767.41                         | 706.09     | 2,275.35             | 2,226.00              | 49.35                   | 46.110            |                    |         |
| 5,400.00                   | 5,289.32            | 4,755.76            | 4,367.11            | 26.81           | 31.40       | 109.01                | -1,803.78                         | 722.96     | 2,322.38             | 2,272.04              | 50.34                   | 46.135            |                    |         |
| 5,500.00                   | 5,386.95            | 4,844.00            | 4,445.70            | 27.32           | 32.07       | 108.97                | -1,840.16                         | 739.83     | 2,369.41             | 2,318.08              | 51.33                   | 46.158            |                    |         |
| 5,600.00                   | 5,484.59            | 4,932.23            | 4,524.30            | 27.83           | 32.74       | 108.92                | -1,876.54                         | 756.70     | 2,416.45             | 2,364.12              | 52.33                   | 46.179            |                    |         |
| 5,700.00                   | 5,582.23            | 5,020.47            | 4,602.89            | 28.33           | 33.41       | 108.88                | -1,912.91                         | 773.57     | 2,463.48             | 2,410.16              | 53.32                   | 46.199            |                    |         |
| 5,800.00                   | 5,679.87            | 5,108.70            | 4,681.49            | 28.84           | 34.09       | 108.84                | -1,949.29                         | 790.44     | 2,510.52             | 2,456.20              | 54.32                   | 46.218            |                    |         |
| 5,900.00                   | 5,777.50            | 5,203.07            | 4,760.08            | 29.35           | 34.80       | 108.80                | -1,985.67                         | 807.31     | 2,557.56             | 2,502.20              | 55.35                   | 46.204            |                    |         |
| 6,000.00                   | 5,875.14            | 5,285.17            | 4,838.68            | 29.86           | 35.43       | 108.76                | -2,022.05                         | 824.18     | 2,604.60             | 2,548.28              | 56.31                   | 46.252            |                    |         |
| 6,100.00                   | 5,972.78            | 5,373.40            | 4,917.28            | 30.37           | 36.10       | 108.73                | -2,058.42                         | 841.05     | 2,651.63             | 2,594.32              | 57.31                   | 46.268            |                    |         |
| 6,200.00                   | 6,070.41            | 5,461.63            | 4,995.87            | 30.88           | 36.78       | 108.69                | -2,094.80                         | 857.92     | 2,698.67             | 2,640.37              | 58.31                   | 46.282            |                    |         |
| 6,300.00                   | 6,168.05            | 5,549.87            | 5,074.47            | 31.39           | 37.45       | 108.66                | -2,131.18                         | 874.79     | 2,745.72             | 2,686.41              | 59.31                   | 46.296            |                    |         |
| 6,400.00                   | 6,265.69            | 5,638.10            | 5,153.06            | 31.90           | 38.12       | 108.63                | -2,167.55                         | 891.66     | 2,792.76             | 2,732.45              | 60.31                   | 46.309            |                    |         |
| 6,439.09                   | 6,303.85            | 5,672.59            | 5,183.78            | 32.10           | 38.39       | 108.61                | -2,181.77                         | 898.26     | 2,811.14             | 2,750.45              | 60.70                   | 46.313            |                    |         |
| 6,450.00                   | 6,314.53            | 5,682.22            | 5,192.36            | 32.16           | 38.46       | 110.61                | -2,185.74                         | 900.10     | 2,816.28             | 2,755.47              | 60.81                   | 46.315            |                    |         |
| 6,500.00                   | 6,363.83            | 5,726.22            | 5,231.56            | 32.39           | 38.80       | 124.33                | -2,203.88                         | 908.51     | 2,839.73             | 2,778.44              | 61.28                   | 46.338            |                    |         |
| 6,550.00                   | 6,413.58            | 5,769.87            | 5,270.43            | 32.60           | 39.13       | 159.09                | -2,221.88                         | 916.85     | 2,862.97             | 2,801.25              | 61.72                   | 46.384            |                    |         |
| 6,600.00                   | 6,463.45            | 5,812.87            | 5,308.74            | 32.79           | 39.46       | -138.01               | -2,239.61                         | 925.08     | 2,885.90             | 2,823.76              | 62.13                   | 46.447            |                    |         |
| 6,650.00                   | 6,513.15            | 5,854.97            | 5,346.25            | 32.97           | 39.78       | -108.57               | -2,256.97                         | 933.13     | 2,908.41             | 2,845.89              | 62.52                   | 46.519            |                    |         |
| 6,700.00                   | 6,562.37            | 5,904.09            | 5,382.72            | 33.15           | 40.16       | -96.76                | -2,273.84                         | 940.96     | 2,930.42             | 2,867.47              | 62.94                   | 46.556            |                    |         |
| 6,750.00                   | 6,610.80            | 5,935.44            | 5,417.93            | 33.34           | 40.40       | -90.26                | -2,290.14                         | 948.51     | 2,951.86             | 2,888.60              | 63.25                   | 46.667            |                    |         |
| 6,800.00                   | 6,658.14            | 5,973.31            | 5,451.66            | 33.53           | 40.69       | -85.92                | -2,305.75                         | 955.75     | 2,972.67             | 2,909.07              | 63.60                   | 46.737            |                    |         |
| 6,850.00                   | 6,704.11            | 6,009.29            | 5,483.71            | 33.74           | 40.96       | -82.69                | -2,320.59                         | 962.63     | 2,992.82             | 2,928.87              | 63.95                   | 46.803            |                    |         |
| 6,900.00                   | 6,748.42            | 6,043.16            | 5,513.88            | 33.97           | 41.22       | -80.10                | -2,334.55                         | 969.11     | 3,012.25             | 2,947.97              | 64.28                   | 46.860            |                    |         |
| 6,950.00                   | 6,790.79            | 6,074.70            | 5,541.98            | 34.21           | 41.46       | -77.95                | -2,347.56                         | 975.14     | 3,030.94             | 2,966.32              | 64.61                   | 46.909            |                    |         |
| 7,000.00                   | 6,830.97            | 6,103.73            | 5,567.83            | 34.48           | 41.68       | -76.10                | -2,359.52                         | 980.69     | 3,048.86             | 2,983.92              | 64.94                   | 46.946            |                    |         |
| 7,050.00                   | 6,868.71            | 6,130.07            | 5,591.29            | 34.77           | 41.89       | -74.47                | -2,370.38                         | 985.72     | 3,065.99             | 3,000.72              | 65.28                   | 46.968            |                    |         |
| 7,100.00                   | 6,903.77            | 6,153.54            | 5,612.20            | 35.09           | 42.06       | -73.01                | -2,380.06                         | 990.21     | 3,082.32             | 3,016.70              | 65.62                   | 46.974            |                    |         |
| 7,150.00                   | 6,935.93            | 6,174.02            | 5,630.44            | 35.44           | 42.22       | -71.69                | -2,388.50                         | 994.13     | 3,097.81             | 3,031.84              | 65.97                   | 46.960            |                    |         |
| 7,200.00                   | 6,965.01            | 6,191.36            | 5,645.89            | 35.83           | 42.35       | -70.48                | -2,395.65                         | 997.44     | 3,112.45             | 3,046.12              | 66.33                   | 46.924            |                    |         |
| 7,250.00                   | 6,990.82            | 6,205.48            | 5,658.46            | 36.26           | 42.46       | -69.35                | -2,401.47                         | 1,000.14   | 3,126.21             | 3,059.50              | 66.70                   | 46.866            |                    |         |
| 7,300.00                   | 7,013.20            | 6,216.26            | 5,668.07            | 36.72           | 42.54       | -68.30                | -2,405.92                         | 1,002.21   | 3,139.06             | 3,071.97              | 67.10                   | 46.784            |                    |         |
| 7,350.00                   | 7,032.02            | 6,223.66            | 5,674.66            | 37.23           | 42.60       | -67.32                | -2,408.97                         | 1,003.62   | 3,150.98             | 3,083.48              | 67.50                   | 46.678            |                    |         |
| 7,400.00                   | 7,047.15            | 6,227.63            | 5,678.20            | 37.77           | 42.63       | -66.39                | -2,410.60                         | 1,004.38   | 3,161.92             | 3,093.99              | 67.93                   | 46.549            |                    |         |
| 7,450.00                   | 7,058.51            | 6,228.14            | 5,678.65            | 38.34           | 42.64       | -65.53                | -2,410.81                         | 1,004.48   | 3,171.83             | 3,103.47              | 68.36                   | 46.399            |                    |         |
| 7,500.00                   | 7,066.02            | 6,225.18            | 5,676.01            | 38.95           | 42.61       | -64.72                | -2,409.59                         | 1,003.91   | 3,180.68             | 3,111.88              | 68.80                   | 46.230            |                    |         |
| 7,550.00                   | 7,069.64            | 6,218.78            | 5,670.31            | 39.58           | 42.56       | -63.97                | -2,406.96                         | 1,002.69   | 3,188.39             | 3,119.15              | 69.24                   | 46.046            |                    |         |
| 7,571.20                   | 7,070.00            | 6,215.04            | 5,666.98            | 39.85           | 42.54       | -63.67                | -2,405.41                         | 1,001.97   | 3,191.31             | 3,121.88              | 69.43                   | 45.965            |                    |         |
| 7,600.00                   | 7,070.00            | 6,209.54            | 5,662.08            | 40.23           | 42.49       | -63.57                | -2,403.14                         | 1,000.92   | 3,195.25             | 3,125.56              | 69.69                   | 45.851            |                    |         |
| 7,700.00                   | 7,070.01            | 6,209.56            | 5,645.07            | 41.64           | 42.49       | -63.23                | -2,395.27                         | 997.27     | 3,210.82             | 3,140.03              | 70.79                   | 45.359            |                    |         |
| 7,800.00                   | 7,070.02            | 6,171.34            | 5,628.06            | 43.20           | 42.20       | -62.89                | -2,387.40                         | 993.62     | 3,229.30             | 3,157.53              | 71.77                   | 44.994            |                    |         |
| 7,900.00                   | 7,070.03            | 6,152.24            | 5,611.04            | 44.89           | 42.05       | -62.55                | -2,379.52                         | 989.96     | 3,250.65             | 3,177.69              | 72.96                   | 44.555            |                    |         |
| 8,000.00                   | 7,070.04            | 6,133.14            | 5,594.03            | 46.69           | 41.91       | -62.22                | -2,371.65                         | 986.31     | 3,274.79             | 3,200.58              | 74.21                   | 44.128            |                    |         |
| 8,100.00                   | 7,070.05            | 6,114.05            | 5,577.02            | 48.60           | 41.76       | -61.88                | -2,363.78                         | 982.66     | 3,301.68             | 3,226.17              | 75.51                   | 43.722            |                    |         |
| 8,200.00                   | 7,070.05            | 6,105.05            | 5,560.01            | 50.59           | 41.69       | -61.54                | -2,355.90                         | 979.01     | 3,331.25             | 3,254.34              | 76.91                   | 43.314            |                    |         |
| 8,300.00                   | 7,070.06            | 6,075.85            | 5,543.00            | 52.66           | 41.47       | -61.20                | -2,348.03                         | 975.36     | 3,363.42             | 3,285.21              | 78.21                   | 43.008            |                    |         |
| 8,400.00                   | 7,070.07            | 6,056.75            | 5,525.98            | 54.81           | 41.32       | -60.86                | -2,340.15                         | 971.71     | 3,398.12             | 3,318.56              | 79.57                   | 42.708            |                    |         |
| 8,500.00                   | 7,070.08            | 6,037.65            | 5,508.97            | 57.02           | 41.18       | -60.53                | -2,332.28                         | 968.06     | 3,435.28             | 3,354.36              | 80.92                   | 42.452            |                    |         |
| 8,600.00                   | 7,070.09            | 6,018.56            | 5,491.96            | 59.28           | 41.03       | -60.19                | -2,324.41                         | 964.40     | 3,474.82             | 3,392.55              | 82.26                   | 42.239            |                    |         |
| 8,700.00                   | 7,070.10            | 6,000.54            | 5,474.95            | 61.60           | 40.89       | -59.85                | -2,316.53                         | 960.75     | 3,516.65             | 3,433.06              | 83.59                   | 42.069            |                    |         |
| 8,800.00                   | 7,070.11            | 5,943.92            | 5,439.13            | 63.95           | 69.25       | -92.72                | -3,122.48                         | -658.81    | 3,555.55             | 3,424.82              | 130.74                  | 27.197            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                   | 7,070.12            | 9,643.92            | 7,239.71            | 66.35           | 71.35       | -92.73                | -3,122.22                         | -758.80    | 3,555.28             | 3,419.87              | 135.42                  | 26.255            |                    |         |
| 9,000.00                   | 7,070.13            | 9,743.92            | 7,240.29            | 68.79           | 73.52       | -92.74                | -3,121.95                         | -858.80    | 3,555.02             | 3,414.85              | 140.17                  | 25.362            |                    |         |
| 9,100.00                   | 7,070.13            | 9,843.92            | 7,240.87            | 71.25           | 75.75       | -92.75                | -3,121.69                         | -958.80    | 3,554.75             | 3,409.75              | 145.00                  | 24.516            |                    |         |
| 9,200.00                   | 7,070.14            | 9,943.92            | 7,241.45            | 73.74           | 78.03       | -92.76                | -3,121.43                         | -1,058.79  | 3,554.48             | 3,404.60              | 149.88                  | 23.715            |                    |         |
| 9,300.00                   | 7,070.15            | 10,043.91           | 7,242.03            | 76.26           | 80.36       | -92.77                | -3,121.17                         | -1,158.79  | 3,554.22             | 3,399.39              | 154.83                  | 22.956            |                    |         |
| 9,400.00                   | 7,070.16            | 10,143.91           | 7,242.61            | 78.80           | 82.73       | -92.78                | -3,120.91                         | -1,258.78  | 3,553.95             | 3,394.13              | 159.82                  | 22.237            |                    |         |
| 9,500.00                   | 7,070.17            | 10,243.91           | 7,243.19            | 81.37           | 85.13       | -92.79                | -3,120.65                         | -1,358.78  | 3,553.68             | 3,388.82              | 164.86                  | 21.555            |                    |         |
| 9,600.00                   | 7,070.18            | 10,343.91           | 7,243.77            | 83.95           | 87.57       | -92.80                | -3,120.39                         | -1,458.78  | 3,553.42             | 3,383.47              | 169.95                  | 20.909            |                    |         |
| 9,700.00                   | 7,070.19            | 10,443.91           | 7,244.36            | 86.55           | 90.03       | -92.81                | -3,120.13                         | -1,558.77  | 3,553.15             | 3,378.08              | 175.07                  | 20.295            |                    |         |
| 9,800.00                   | 7,070.20            | 10,543.90           | 7,244.94            | 89.17           | 92.53       | -92.82                | -3,119.86                         | -1,658.77  | 3,552.88             | 3,372.65              | 180.23                  | 19.713            |                    |         |
| 9,900.00                   | 7,070.21            | 10,643.90           | 7,245.52            | 91.80           | 95.04       | -92.83                | -3,119.60                         | -1,758.76  | 3,552.62             | 3,367.20              | 185.42                  | 19.160            |                    |         |
| 10,000.00                  | 7,070.21            | 10,743.90           | 7,246.10            | 94.44           | 97.58       | -92.84                | -3,119.34                         | -1,858.76  | 3,552.35             | 3,361.71              | 190.64                  | 18.634            |                    |         |
| 10,100.00                  | 7,070.22            | 10,843.90           | 7,246.68            | 97.10           | 100.14      | -92.85                | -3,119.08                         | -1,958.76  | 3,552.08             | 3,356.20              | 195.89                  | 18.133            |                    |         |
| 10,200.00                  | 7,070.23            | 10,943.90           | 7,247.26            | 99.77           | 102.71      | -92.86                | -3,118.82                         | -2,058.75  | 3,551.82             | 3,350.66              | 201.16                  | 17.657            |                    |         |
| 10,300.00                  | 7,070.24            | 11,043.89           | 7,247.84            | 102.44          | 105.30      | -92.87                | -3,118.56                         | -2,158.75  | 3,551.55             | 3,345.09              | 206.46                  | 17.202            |                    |         |
| 10,400.00                  | 7,070.25            | 11,143.89           | 7,248.42            | 105.13          | 107.91      | -92.88                | -3,118.30                         | -2,258.74  | 3,551.29             | 3,339.51              | 211.77                  | 16.769            |                    |         |
| 10,500.00                  | 7,070.26            | 11,243.89           | 7,249.00            | 107.83          | 110.52      | -92.89                | -3,118.04                         | -2,358.74  | 3,551.02             | 3,333.91              | 217.11                  | 16.356            |                    |         |
| 10,600.00                  | 7,070.27            | 11,343.89           | 7,249.58            | 110.53          | 113.16      | -92.89                | -3,117.77                         | -2,458.74  | 3,550.75             | 3,328.29              | 222.47                  | 15.961            |                    |         |
| 10,700.00                  | 7,070.28            | 11,443.89           | 7,250.17            | 113.24          | 115.80      | -92.90                | -3,117.51                         | -2,558.73  | 3,550.49             | 3,322.65              | 227.84                  | 15.583            |                    |         |
| 10,800.00                  | 7,070.28            | 11,543.88           | 7,250.75            | 115.96          | 118.45      | -92.91                | -3,117.25                         | -2,658.73  | 3,550.22             | 3,316.99              | 233.23                  | 15.222            |                    |         |
| 10,900.00                  | 7,070.29            | 11,643.88           | 7,251.33            | 118.69          | 121.12      | -92.92                | -3,116.99                         | -2,758.72  | 3,549.96             | 3,311.32              | 238.64                  | 14.876            |                    |         |
| 11,000.00                  | 7,070.30            | 11,743.88           | 7,251.91            | 121.42          | 123.79      | -92.93                | -3,116.73                         | -2,858.72  | 3,549.69             | 3,305.64              | 244.05                  | 14.545            |                    |         |
| 11,100.00                  | 7,070.31            | 11,843.88           | 7,252.49            | 124.16          | 126.48      | -92.94                | -3,116.47                         | -2,958.71  | 3,549.43             | 3,299.94              | 249.49                  | 14.227            |                    |         |
| 11,200.00                  | 7,070.32            | 11,943.88           | 7,253.07            | 126.90          | 129.17      | -92.95                | -3,116.21                         | -3,058.71  | 3,549.16             | 3,294.23              | 254.93                  | 13.922            |                    |         |
| 11,300.00                  | 7,070.33            | 12,043.87           | 7,253.65            | 129.65          | 131.87      | -92.96                | -3,115.95                         | -3,158.71  | 3,548.90             | 3,288.51              | 260.38                  | 13.629            |                    |         |
| 11,400.00                  | 7,070.34            | 12,143.87           | 7,254.23            | 132.40          | 134.57      | -92.97                | -3,115.69                         | -3,258.70  | 3,548.63             | 3,282.78              | 265.85                  | 13.348            |                    |         |
| 11,500.00                  | 7,070.35            | 12,243.87           | 7,254.81            | 135.16          | 137.28      | -92.98                | -3,115.42                         | -3,358.70  | 3,548.37             | 3,277.04              | 271.33                  | 13.078            |                    |         |
| 11,600.00                  | 7,070.36            | 12,343.87           | 7,255.39            | 137.92          | 140.00      | -92.99                | -3,115.16                         | -3,458.69  | 3,548.10             | 3,271.29              | 276.81                  | 12.818            |                    |         |
| 11,700.00                  | 7,070.36            | 12,443.86           | 7,255.98            | 140.69          | 142.73      | -93.00                | -3,114.90                         | -3,558.69  | 3,547.84             | 3,265.53              | 282.30                  | 12.567            |                    |         |
| 11,800.00                  | 7,070.37            | 12,543.86           | 7,256.56            | 143.46          | 145.45      | -93.01                | -3,114.64                         | -3,658.69  | 3,547.57             | 3,259.77              | 287.81                  | 12.326            |                    |         |
| 11,900.00                  | 7,070.38            | 12,643.86           | 7,257.14            | 146.23          | 148.19      | -93.02                | -3,114.38                         | -3,758.68  | 3,547.31             | 3,253.99              | 293.32                  | 12.094            |                    |         |
| 12,000.00                  | 7,070.39            | 12,743.86           | 7,257.72            | 149.01          | 150.93      | -93.03                | -3,114.12                         | -3,858.68  | 3,547.04             | 3,248.21              | 298.84                  | 11.870            |                    |         |
| 12,100.00                  | 7,070.40            | 12,843.86           | 7,258.30            | 151.79          | 153.67      | -93.04                | -3,113.86                         | -3,958.67  | 3,546.78             | 3,242.42              | 304.36                  | 11.653            |                    |         |
| 12,200.00                  | 7,070.41            | 12,943.85           | 7,258.88            | 154.57          | 156.42      | -93.05                | -3,113.60                         | -4,058.67  | 3,546.52             | 3,236.62              | 309.89                  | 11.444            |                    |         |
| 12,300.00                  | 7,070.42            | 13,043.85           | 7,259.46            | 157.35          | 159.18      | -93.06                | -3,113.33                         | -4,158.67  | 3,546.25             | 3,230.82              | 315.43                  | 11.243            |                    |         |
| 12,400.00                  | 7,070.43            | 13,143.85           | 7,260.04            | 160.14          | 161.93      | -93.07                | -3,113.07                         | -4,258.66  | 3,545.99             | 3,225.01              | 320.97                  | 11.048            |                    |         |
| 12,500.00                  | 7,070.44            | 13,243.85           | 7,260.62            | 162.93          | 164.69      | -93.07                | -3,112.81                         | -4,358.66  | 3,545.72             | 3,219.20              | 326.52                  | 10.859            |                    |         |
| 12,600.00                  | 7,070.44            | 13,343.85           | 7,261.20            | 165.72          | 167.46      | -93.08                | -3,112.55                         | -4,458.65  | 3,545.46             | 3,213.38              | 332.08                  | 10.677            |                    |         |
| 12,700.00                  | 7,070.45            | 13,443.84           | 7,261.79            | 168.52          | 170.22      | -93.09                | -3,112.29                         | -4,558.65  | 3,545.20             | 3,207.56              | 337.64                  | 10.500            |                    |         |
| 12,745.00                  | 7,070.46            | 13,488.84           | 7,262.05            | 169.78          | 171.47      | -93.10                | -3,112.17                         | -4,603.65  | 3,545.08             | 3,204.94              | 340.14                  | 10.422            |                    |         |
| 12,800.00                  | 7,070.46            | 13,480.77           | 7,262.00            | 171.32          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,545.49             | 3,204.23              | 341.27                  | 10.389            |                    |         |
| 12,900.00                  | 7,070.47            | 13,480.77           | 7,262.00            | 174.11          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,548.42             | 3,204.86              | 343.56                  | 10.328            |                    |         |
| 13,000.00                  | 7,070.48            | 13,480.77           | 7,262.00            | 176.92          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,554.16             | 3,208.56              | 345.60                  | 10.284            |                    |         |
| 13,100.00                  | 7,070.49            | 13,480.77           | 7,262.00            | 179.72          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,562.69             | 3,215.32              | 347.37                  | 10.256            |                    |         |
| 13,200.00                  | 7,070.50            | 13,480.77           | 7,262.00            | 182.52          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,574.01             | 3,225.12              | 348.88                  | 10.244 SF         |                    |         |
| 13,300.00                  | 7,070.51            | 13,480.77           | 7,262.00            | 185.33          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,588.07             | 3,237.94              | 350.13                  | 10.248            |                    |         |
| 13,400.00                  | 7,070.52            | 13,480.77           | 7,262.00            | 188.14          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,604.86             | 3,253.74              | 351.12                  | 10.267            |                    |         |
| 13,500.00                  | 7,070.52            | 13,480.77           | 7,262.00            | 190.95          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,624.33             | 3,272.46              | 351.86                  | 10.300            |                    |         |
| 13,600.00                  | 7,070.53            | 13,480.77           | 7,262.00            | 193.76          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,646.44             | 3,294.08              | 352.36                  | 10.349            |                    |         |
| 13,700.00                  | 7,070.54            | 13,480.77           | 7,262.00            | 196.57          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,671.14             | 3,318.52              | 352.61                  | 10.411            |                    |         |
| 13,800.00                  | 7,070.55            | 13,480.77           | 7,262.00            | 199.38          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,698.38             | 3,345.74              | 352.64                  | 10.488            |                    |         |
| 13,900.00                  | 7,070.56            | 13,480.77           | 7,262.00            | 202.20          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,728.10             | 3,375.66              | 352.44                  | 10.578            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                  | 7,070.57            | 13,480.77           | 7,262.00            | 205.01          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,760.25             | 3,408.21              | 352.04                  | 10.681            |                    |         |
| 14,100.00                  | 7,070.58            | 13,480.77           | 7,262.00            | 207.83          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,794.76             | 3,443.32              | 351.44                  | 10.798            |                    |         |
| 14,200.00                  | 7,070.59            | 13,480.77           | 7,262.00            | 210.65          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,831.58             | 3,480.91              | 350.66                  | 10.927            |                    |         |
| 14,300.00                  | 7,070.60            | 13,480.77           | 7,262.00            | 213.47          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,870.62             | 3,520.92              | 349.71                  | 11.068            |                    |         |
| 14,400.00                  | 7,070.60            | 13,480.77           | 7,262.00            | 216.29          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,911.84             | 3,563.24              | 348.59                  | 11.222            |                    |         |
| 14,500.00                  | 7,070.61            | 13,480.77           | 7,262.00            | 219.11          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 3,955.15             | 3,607.82              | 347.33                  | 11.387            |                    |         |
| 14,600.00                  | 7,070.62            | 13,480.77           | 7,262.00            | 221.94          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,000.49             | 3,654.56              | 345.94                  | 11.564            |                    |         |
| 14,700.00                  | 7,070.63            | 13,480.77           | 7,262.00            | 224.76          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,047.80             | 3,703.38              | 344.42                  | 11.753            |                    |         |
| 14,800.00                  | 7,070.64            | 13,480.77           | 7,262.00            | 227.58          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,097.00             | 3,754.21              | 342.79                  | 11.952            |                    |         |
| 14,900.00                  | 7,070.65            | 13,480.77           | 7,262.00            | 230.41          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,148.03             | 3,806.96              | 341.07                  | 12.162            |                    |         |
| 15,000.00                  | 7,070.66            | 13,480.77           | 7,262.00            | 233.24          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,200.83             | 3,861.57              | 339.26                  | 12.382            |                    |         |
| 15,100.00                  | 7,070.67            | 13,480.77           | 7,262.00            | 236.06          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,255.31             | 3,917.94              | 337.37                  | 12.613            |                    |         |
| 15,200.00                  | 7,070.68            | 13,480.77           | 7,262.00            | 238.89          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,311.43             | 3,976.01              | 335.42                  | 12.854            |                    |         |
| 15,300.00                  | 7,070.68            | 13,480.77           | 7,262.00            | 241.72          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,369.12             | 4,035.71              | 333.41                  | 13.104            |                    |         |
| 15,400.00                  | 7,070.69            | 13,480.77           | 7,262.00            | 244.55          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,428.31             | 4,096.96              | 331.35                  | 13.364            |                    |         |
| 15,500.00                  | 7,070.70            | 13,480.77           | 7,262.00            | 247.38          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,488.95             | 4,159.70              | 329.25                  | 13.634            |                    |         |
| 15,600.00                  | 7,070.71            | 13,480.77           | 7,262.00            | 250.21          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,550.98             | 4,223.85              | 327.12                  | 13.912            |                    |         |
| 15,700.00                  | 7,070.72            | 13,480.77           | 7,262.00            | 253.04          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,614.34             | 4,289.37              | 324.97                  | 14.199            |                    |         |
| 15,800.00                  | 7,070.73            | 13,480.77           | 7,262.00            | 255.87          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,678.98             | 4,356.19              | 322.80                  | 14.495            |                    |         |
| 15,900.00                  | 7,070.74            | 13,480.77           | 7,262.00            | 258.71          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,744.85             | 4,424.24              | 320.61                  | 14.799            |                    |         |
| 16,000.00                  | 7,070.75            | 13,480.77           | 7,262.00            | 261.54          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,811.90             | 4,493.48              | 318.42                  | 15.112            |                    |         |
| 16,100.00                  | 7,070.76            | 13,480.77           | 7,262.00            | 264.37          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,880.08             | 4,563.85              | 316.23                  | 15.432            |                    |         |
| 16,200.00                  | 7,070.76            | 13,480.77           | 7,262.00            | 267.21          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 4,949.33             | 4,635.29              | 314.04                  | 15.760            |                    |         |
| 16,300.00                  | 7,070.77            | 13,480.77           | 7,262.00            | 270.04          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,019.62             | 4,707.77              | 311.85                  | 16.096            |                    |         |
| 16,400.00                  | 7,070.78            | 13,480.77           | 7,262.00            | 272.88          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,090.91             | 4,781.23              | 309.68                  | 16.439            |                    |         |
| 16,500.00                  | 7,070.79            | 13,480.77           | 7,262.00            | 275.71          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,163.15             | 4,855.63              | 307.52                  | 16.790            |                    |         |
| 16,600.00                  | 7,070.80            | 13,480.77           | 7,262.00            | 278.55          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,236.30             | 4,930.93              | 305.38                  | 17.147            |                    |         |
| 16,700.00                  | 7,070.81            | 13,480.77           | 7,262.00            | 281.39          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,310.33             | 5,007.08              | 303.25                  | 17.511            |                    |         |
| 16,800.00                  | 7,070.82            | 13,480.77           | 7,262.00            | 284.22          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,385.20             | 5,084.05              | 301.15                  | 17.882            |                    |         |
| 16,900.00                  | 7,070.83            | 13,480.77           | 7,262.00            | 287.06          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,460.87             | 5,161.80              | 299.07                  | 18.260            |                    |         |
| 17,000.00                  | 7,070.84            | 13,480.77           | 7,262.00            | 289.90          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,537.31             | 5,240.30              | 297.01                  | 18.643            |                    |         |
| 17,100.00                  | 7,070.84            | 13,480.77           | 7,262.00            | 292.74          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,614.50             | 5,319.51              | 294.98                  | 19.033            |                    |         |
| 17,200.00                  | 7,070.85            | 13,480.77           | 7,262.00            | 295.58          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,692.39             | 5,399.41              | 292.98                  | 19.429            |                    |         |
| 17,300.00                  | 7,070.86            | 13,480.77           | 7,262.00            | 298.42          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,770.97             | 5,479.96              | 291.01                  | 19.831            |                    |         |
| 17,400.00                  | 7,070.87            | 13,480.77           | 7,262.00            | 301.26          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,850.20             | 5,561.13              | 289.07                  | 20.238            |                    |         |
| 17,500.00                  | 7,070.88            | 13,480.77           | 7,262.00            | 304.10          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 5,930.06             | 5,642.90              | 287.15                  | 20.651            |                    |         |
| 17,600.00                  | 7,070.89            | 13,480.77           | 7,262.00            | 306.94          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,010.52             | 5,725.25              | 285.27                  | 21.069            |                    |         |
| 17,700.00                  | 7,070.90            | 13,480.77           | 7,262.00            | 309.78          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,091.56             | 5,808.14              | 283.42                  | 21.493            |                    |         |
| 17,800.00                  | 7,070.91            | 13,480.77           | 7,262.00            | 312.62          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,173.15             | 5,891.55              | 281.60                  | 21.922            |                    |         |
| 17,900.00                  | 7,070.92            | 13,480.77           | 7,262.00            | 315.46          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,255.28             | 5,975.47              | 279.81                  | 22.355            |                    |         |
| 18,000.00                  | 7,070.92            | 13,480.77           | 7,262.00            | 318.31          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,337.93             | 6,059.87              | 278.05                  | 22.794            |                    |         |
| 18,100.00                  | 7,070.93            | 13,480.77           | 7,262.00            | 321.15          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,421.06             | 6,144.73              | 276.33                  | 23.237            |                    |         |
| 18,200.00                  | 7,070.94            | 13,480.77           | 7,262.00            | 323.99          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,504.67             | 6,230.04              | 274.63                  | 23.685            |                    |         |
| 18,300.00                  | 7,070.95            | 13,480.77           | 7,262.00            | 326.83          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,588.74             | 6,315.77              | 272.97                  | 24.137            |                    |         |
| 18,400.00                  | 7,070.96            | 13,480.77           | 7,262.00            | 329.68          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,673.25             | 6,401.91              | 271.34                  | 24.594            |                    |         |
| 18,500.00                  | 7,070.97            | 13,480.77           | 7,262.00            | 332.52          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,758.18             | 6,488.44              | 269.74                  | 25.054            |                    |         |
| 18,600.00                  | 7,070.98            | 13,480.77           | 7,262.00            | 335.36          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,843.52             | 6,575.35              | 268.17                  | 25.519            |                    |         |
| 18,700.00                  | 7,070.99            | 13,480.77           | 7,262.00            | 338.21          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 6,929.25             | 6,662.62              | 266.63                  | 25.988            |                    |         |
| 18,800.00                  | 7,070.99            | 13,480.77           | 7,262.00            | 341.05          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 7,015.36             | 6,750.23              | 265.13                  | 26.461            |                    |         |
| 18,858.54                  | 7,071.00            | 13,480.77           | 7,262.00            | 342.72          | 171.24      | -93.10                | -3,112.19                         | -4,595.58  | 7,065.94             | 6,801.68              | 264.26                  | 26.739            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                       | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.50               | -225.14                           | -1.95      | 225.15               |                       |                         |                   |                    |         |
| 100.00                     | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.50               | -225.14                           | -1.95      | 225.15               | 218.58                | 6.57                    | 34.273            |                    |         |
| 200.00                     | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.50               | -225.14                           | -1.95      | 225.15               | 218.48                | 6.67                    | 33.735            |                    |         |
| 300.00                     | 300.00              | 300.00              | 300.00              | 3.44            | 3.44        | -179.50               | -225.14                           | -1.95      | 225.15               | 218.26                | 6.89                    | 32.679 CC, ES     |                    |         |
| 400.00                     | 399.98              | 393.41              | 393.40              | 3.60            | 3.58        | 108.17                | -226.50                           | -1.27      | 227.14               | 219.95                | 7.19                    | 31.579            |                    |         |
| 500.00                     | 499.84              | 486.56              | 486.43              | 3.80            | 3.76        | 108.69                | -230.58                           | 0.76       | 233.13               | 225.55                | 7.58                    | 30.742            |                    |         |
| 600.00                     | 599.45              | 579.19              | 578.75              | 4.04            | 3.97        | 109.48                | -237.31                           | 4.12       | 243.15               | 235.10                | 8.05                    | 30.194            |                    |         |
| 700.00                     | 698.70              | 671.05              | 670.02              | 4.32            | 4.21        | 110.47                | -246.61                           | 8.76       | 257.22               | 248.64                | 8.59                    | 29.957            |                    |         |
| 800.00                     | 797.47              | 761.90              | 759.90              | 4.63            | 4.47        | 111.56                | -258.39                           | 14.64      | 275.38               | 266.21                | 9.17                    | 30.026            |                    |         |
| 900.00                     | 895.62              | 851.52              | 848.11              | 4.97            | 4.77        | 112.67                | -272.50                           | 21.68      | 297.61               | 287.82                | 9.80                    | 30.374            |                    |         |
| 924.00                     | 919.08              | 872.81              | 869.01              | 5.06            | 4.84        | 112.93                | -276.22                           | 23.53      | 303.55               | 293.60                | 9.96                    | 30.492            |                    |         |
| 1,000.00                   | 993.28              | 939.85              | 934.55              | 5.34            | 5.08        | 113.97                | -288.82                           | 29.82      | 323.51               | 313.05                | 10.45                   | 30.950            |                    |         |
| 1,100.00                   | 1,090.92            | 1,027.15            | 1,019.36            | 5.73            | 5.42        | 114.93                | -307.28                           | 39.02      | 352.01               | 340.87                | 11.14                   | 31.612            |                    |         |
| 1,200.00                   | 1,188.56            | 1,113.27            | 1,102.39            | 6.15            | 5.78        | 115.49                | -327.75                           | 49.23      | 382.91               | 371.08                | 11.83                   | 32.357            |                    |         |
| 1,300.00                   | 1,286.19            | 1,198.10            | 1,183.46            | 6.57            | 6.15        | 115.75                | -350.09                           | 60.38      | 416.11               | 403.57                | 12.55                   | 33.169            |                    |         |
| 1,400.00                   | 1,383.83            | 1,281.51            | 1,262.42            | 7.01            | 6.55        | 115.77                | -374.13                           | 72.37      | 451.53               | 438.26                | 13.27                   | 34.035            |                    |         |
| 1,500.00                   | 1,481.47            | 1,363.41            | 1,339.15            | 7.46            | 6.96        | 115.60                | -399.74                           | 85.14      | 489.09               | 475.10                | 13.99                   | 34.957            |                    |         |
| 1,600.00                   | 1,579.10            | 1,443.70            | 1,413.56            | 7.91            | 7.40        | 115.30                | -426.73                           | 98.61      | 528.76               | 514.04                | 14.72                   | 35.931            |                    |         |
| 1,700.00                   | 1,676.74            | 1,522.31            | 1,485.56            | 8.37            | 7.84        | 114.90                | -454.96                           | 112.69     | 570.49               | 555.05                | 15.44                   | 36.956            |                    |         |
| 1,800.00                   | 1,774.38            | 1,599.17            | 1,555.10            | 8.84            | 8.30        | 114.43                | -484.27                           | 127.30     | 614.24               | 598.09                | 16.15                   | 38.031            |                    |         |
| 1,900.00                   | 1,872.02            | 1,685.72            | 1,632.72            | 9.31            | 8.84        | 113.87                | -518.52                           | 144.39     | 659.35               | 642.37                | 16.98                   | 38.830            |                    |         |
| 2,000.00                   | 1,969.65            | 1,774.77            | 1,712.58            | 9.79            | 9.42        | 113.37                | -553.79                           | 161.98     | 704.53               | 686.68                | 17.85                   | 39.465            |                    |         |
| 2,100.00                   | 2,067.29            | 1,863.82            | 1,792.43            | 10.27           | 10.01       | 112.93                | -589.06                           | 179.57     | 749.75               | 731.01                | 18.74                   | 40.011            |                    |         |
| 2,200.00                   | 2,164.93            | 1,952.87            | 1,872.28            | 10.75           | 10.60       | 112.54                | -624.33                           | 197.17     | 795.01               | 775.37                | 19.64                   | 40.485            |                    |         |
| 2,300.00                   | 2,262.56            | 2,041.92            | 1,952.14            | 11.24           | 11.21       | 112.20                | -659.60                           | 214.76     | 840.29               | 819.74                | 20.55                   | 40.897            |                    |         |
| 2,400.00                   | 2,360.20            | 2,130.97            | 2,031.99            | 11.73           | 11.82       | 111.88                | -694.87                           | 232.35     | 885.59               | 864.12                | 21.47                   | 41.257            |                    |         |
| 2,500.00                   | 2,457.84            | 2,220.03            | 2,111.84            | 12.22           | 12.44       | 111.60                | -730.14                           | 249.94     | 930.91               | 908.52                | 22.39                   | 41.574            |                    |         |
| 2,600.00                   | 2,555.48            | 2,309.08            | 2,191.70            | 12.71           | 13.07       | 111.34                | -765.41                           | 267.54     | 976.25               | 952.92                | 23.33                   | 41.853            |                    |         |
| 2,700.00                   | 2,653.11            | 2,401.87            | 2,271.55            | 13.20           | 13.73       | 111.11                | -800.68                           | 285.13     | 1,021.60             | 997.31                | 24.29                   | 42.062            |                    |         |
| 2,800.00                   | 2,750.75            | 2,487.18            | 2,351.40            | 13.70           | 14.34       | 110.90                | -835.95                           | 302.72     | 1,066.96             | 1,041.75              | 25.21                   | 42.320            |                    |         |
| 2,900.00                   | 2,848.39            | 2,576.23            | 2,431.26            | 14.19           | 14.97       | 110.70                | -871.22                           | 320.31     | 1,112.34             | 1,086.18              | 26.16                   | 42.516            |                    |         |
| 3,000.00                   | 2,946.02            | 2,665.28            | 2,511.11            | 14.69           | 15.62       | 110.52                | -906.48                           | 337.91     | 1,157.72             | 1,130.60              | 27.12                   | 42.692            |                    |         |
| 3,100.00                   | 3,043.66            | 2,754.33            | 2,590.96            | 15.19           | 16.26       | 110.35                | -941.75                           | 355.50     | 1,203.12             | 1,175.04              | 28.08                   | 42.850            |                    |         |
| 3,200.00                   | 3,141.30            | 2,843.38            | 2,670.82            | 15.69           | 16.91       | 110.20                | -977.02                           | 373.09     | 1,248.52             | 1,219.47              | 29.04                   | 42.992            |                    |         |
| 3,300.00                   | 3,238.94            | 2,932.43            | 2,750.67            | 16.19           | 17.55       | 110.05                | -1,012.29                         | 390.69     | 1,293.92             | 1,263.92              | 30.01                   | 43.121            |                    |         |
| 3,400.00                   | 3,336.57            | 3,021.48            | 2,830.53            | 16.69           | 18.21       | 109.92                | -1,047.56                         | 408.28     | 1,339.34             | 1,308.36              | 30.98                   | 43.238            |                    |         |
| 3,500.00                   | 3,434.21            | 3,110.53            | 2,910.38            | 17.19           | 18.86       | 109.79                | -1,082.83                         | 425.87     | 1,384.75             | 1,352.81              | 31.95                   | 43.345            |                    |         |
| 3,600.00                   | 3,531.85            | 3,200.41            | 2,990.23            | 17.69           | 19.52       | 109.68                | -1,118.10                         | 443.46     | 1,430.18             | 1,397.25              | 32.93                   | 43.435            |                    |         |
| 3,700.00                   | 3,629.48            | 3,288.64            | 3,070.09            | 18.20           | 20.17       | 109.57                | -1,153.37                         | 461.06     | 1,475.61             | 1,441.71              | 33.90                   | 43.530            |                    |         |
| 3,800.00                   | 3,727.12            | 3,377.69            | 3,149.94            | 18.70           | 20.82       | 109.46                | -1,188.64                         | 478.65     | 1,521.04             | 1,486.16              | 34.88                   | 43.612            |                    |         |
| 3,900.00                   | 3,824.76            | 3,466.74            | 3,229.79            | 19.21           | 21.48       | 109.36                | -1,223.91                         | 496.24     | 1,566.47             | 1,530.62              | 35.86                   | 43.686            |                    |         |
| 4,000.00                   | 3,922.40            | 3,555.79            | 3,309.65            | 19.71           | 22.14       | 109.27                | -1,259.18                         | 513.83     | 1,611.91             | 1,575.07              | 36.84                   | 43.755            |                    |         |
| 4,100.00                   | 4,020.03            | 3,644.84            | 3,389.50            | 20.21           | 22.80       | 109.18                | -1,294.45                         | 531.43     | 1,657.36             | 1,619.53              | 37.82                   | 43.818            |                    |         |
| 4,200.00                   | 4,117.67            | 3,733.89            | 3,469.35            | 20.72           | 23.46       | 109.10                | -1,329.72                         | 549.02     | 1,702.80             | 1,663.99              | 38.81                   | 43.876            |                    |         |
| 4,300.00                   | 4,215.31            | 3,822.94            | 3,549.21            | 21.23           | 24.12       | 109.02                | -1,364.99                         | 566.61     | 1,748.25             | 1,708.45              | 39.80                   | 43.930            |                    |         |
| 4,400.00                   | 4,312.94            | 3,911.99            | 3,629.06            | 21.73           | 24.78       | 108.95                | -1,400.26                         | 584.20     | 1,793.70             | 1,752.92              | 40.78                   | 43.980            |                    |         |
| 4,500.00                   | 4,410.58            | 4,001.04            | 3,708.91            | 22.24           | 25.45       | 108.88                | -1,435.53                         | 601.80     | 1,839.15             | 1,797.38              | 41.77                   | 44.027            |                    |         |
| 4,600.00                   | 4,508.22            | 4,090.09            | 3,788.77            | 22.75           | 26.11       | 108.81                | -1,470.80                         | 619.39     | 1,884.61             | 1,841.84              | 42.76                   | 44.070            |                    |         |
| 4,700.00                   | 4,605.86            | 4,179.15            | 3,868.62            | 23.25           | 26.77       | 108.75                | -1,506.07                         | 636.98     | 1,930.06             | 1,886.31              | 43.76                   | 44.110            |                    |         |
| 4,800.00                   | 4,703.49            | 4,268.20            | 3,948.48            | 23.76           | 27.44       | 108.69                | -1,541.34                         | 654.57     | 1,975.52             | 1,930.77              | 44.75                   | 44.147            |                    |         |
| 4,900.00                   | 4,801.13            | 4,357.25            | 4,028.33            | 24.27           | 28.10       | 108.63                | -1,576.61                         | 672.17     | 2,020.98             | 1,975.24              | 45.74                   | 44.182            |                    |         |
| 5,000.00                   | 4,898.77            | 4,446.30            | 4,108.18            | 24.77           | 28.77       | 108.57                | -1,611.88                         | 689.76     | 2,066.45             | 2,019.71              | 46.74                   | 44.215            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 4,535.35            | 4,188.04            | 25.28           | 29.44       | 108.52                | -1,647.15                         | 707.35     | 2,111.91             | 2,064.18              | 47.73                   | 44.245            |                    |         |
| 5,200.00                   | 5,094.04            | 4,624.40            | 4,267.89            | 25.79           | 30.10       | 108.47                | -1,682.42                         | 724.95     | 2,157.37             | 2,108.65              | 48.73                   | 44.274            |                    |         |
| 5,300.00                   | 5,191.68            | 4,713.45            | 4,347.74            | 26.30           | 30.77       | 108.42                | -1,717.69                         | 742.54     | 2,202.84             | 2,153.12              | 49.72                   | 44.300            |                    |         |
| 5,400.00                   | 5,289.32            | 4,802.50            | 4,427.60            | 26.81           | 31.44       | 108.37                | -1,752.96                         | 760.13     | 2,248.31             | 2,197.58              | 50.72                   | 44.326            |                    |         |
| 5,500.00                   | 5,386.95            | 4,908.45            | 4,507.45            | 27.32           | 32.23       | 108.33                | -1,788.23                         | 777.72     | 2,293.78             | 2,241.95              | 51.83                   | 44.260            |                    |         |
| 5,600.00                   | 5,484.59            | 4,980.60            | 4,587.30            | 27.83           | 32.77       | 108.28                | -1,823.50                         | 795.32     | 2,339.25             | 2,286.53              | 52.72                   | 44.371            |                    |         |
| 5,700.00                   | 5,582.23            | 5,069.65            | 4,667.16            | 28.33           | 33.44       | 108.24                | -1,858.77                         | 812.91     | 2,384.72             | 2,331.00              | 53.72                   | 44.392            |                    |         |
| 5,800.00                   | 5,679.87            | 5,158.71            | 4,747.01            | 28.84           | 34.11       | 108.20                | -1,894.04                         | 830.50     | 2,430.19             | 2,375.47              | 54.72                   | 44.411            |                    |         |
| 5,900.00                   | 5,777.50            | 5,247.76            | 4,826.86            | 29.35           | 34.78       | 108.16                | -1,929.31                         | 848.09     | 2,475.66             | 2,419.94              | 55.72                   | 44.429            |                    |         |
| 6,000.00                   | 5,875.14            | 5,336.81            | 4,906.72            | 29.86           | 35.45       | 108.12                | -1,964.58                         | 865.69     | 2,521.13             | 2,464.41              | 56.72                   | 44.446            |                    |         |
| 6,100.00                   | 5,972.78            | 5,425.86            | 4,986.57            | 30.37           | 36.12       | 108.09                | -1,999.85                         | 883.28     | 2,566.61             | 2,508.88              | 57.73                   | 44.463            |                    |         |
| 6,200.00                   | 6,070.41            | 5,514.91            | 5,066.43            | 30.88           | 36.79       | 108.05                | -2,035.12                         | 900.87     | 2,612.08             | 2,553.36              | 58.73                   | 44.478            |                    |         |
| 6,300.00                   | 6,168.05            | 5,603.96            | 5,146.28            | 31.39           | 37.45       | 108.02                | -2,070.39                         | 918.46     | 2,657.56             | 2,597.83              | 59.73                   | 44.492            |                    |         |
| 6,400.00                   | 6,265.69            | 5,706.99            | 5,226.13            | 31.90           | 38.23       | 107.99                | -2,105.66                         | 936.06     | 2,703.04             | 2,642.21              | 60.82                   | 44.442            |                    |         |
| 6,439.09                   | 6,303.85            | 5,727.82            | 5,257.34            | 32.10           | 38.39       | 107.98                | -2,119.45                         | 942.93     | 2,720.81             | 2,659.68              | 61.13                   | 44.511            |                    |         |
| 6,450.00                   | 6,314.53            | 5,737.53            | 5,266.06            | 32.16           | 38.46       | 109.94                | -2,123.30                         | 944.85     | 2,725.77             | 2,664.54              | 61.24                   | 44.513            |                    |         |
| 6,500.00                   | 6,363.83            | 5,781.94            | 5,305.87            | 32.39           | 38.79       | 123.57                | -2,140.88                         | 953.62     | 2,748.47             | 2,686.76              | 61.71                   | 44.536            |                    |         |
| 6,550.00                   | 6,413.58            | 5,825.95            | 5,345.34            | 32.60           | 39.13       | 158.24                | -2,158.32                         | 962.32     | 2,771.00             | 2,708.85              | 62.16                   | 44.582            |                    |         |
| 6,600.00                   | 6,463.45            | 5,869.30            | 5,384.22            | 32.79           | 39.45       | -138.94               | -2,175.49                         | 970.88     | 2,793.27             | 2,730.71              | 62.57                   | 44.646            |                    |         |
| 6,650.00                   | 6,513.15            | 5,911.73            | 5,422.26            | 32.97           | 39.77       | -109.58               | -2,192.29                         | 979.27     | 2,815.18             | 2,752.23              | 62.95                   | 44.720            |                    |         |
| 6,700.00                   | 6,562.37            | 5,952.97            | 5,459.24            | 33.15           | 40.08       | -97.84                | -2,208.62                         | 987.41     | 2,836.65             | 2,773.32              | 63.32                   | 44.796            |                    |         |
| 6,750.00                   | 6,610.80            | 6,007.24            | 5,494.92            | 33.34           | 40.49       | -91.41                | -2,224.38                         | 995.27     | 2,857.61             | 2,793.84              | 63.77                   | 44.810            |                    |         |
| 6,800.00                   | 6,658.14            | 6,030.86            | 5,529.09            | 33.53           | 40.67       | -87.12                | -2,239.47                         | 1,002.80   | 2,878.02             | 2,813.99              | 64.03                   | 44.947            |                    |         |
| 6,850.00                   | 6,704.11            | 6,067.04            | 5,561.53            | 33.74           | 40.94       | -83.92                | -2,253.80                         | 1,009.95   | 2,897.84             | 2,833.47              | 64.37                   | 45.018            |                    |         |
| 6,900.00                   | 6,748.42            | 6,101.07            | 5,592.05            | 33.97           | 41.20       | -81.37                | -2,267.28                         | 1,016.67   | 2,917.02             | 2,852.32              | 64.70                   | 45.082            |                    |         |
| 6,950.00                   | 6,790.79            | 6,132.75            | 5,620.45            | 34.21           | 41.44       | -79.23                | -2,279.83                         | 1,022.93   | 2,935.55             | 2,870.52              | 65.03                   | 45.139            |                    |         |
| 7,000.00                   | 6,830.97            | 6,161.87            | 5,646.57            | 34.48           | 41.65       | -77.39                | -2,291.36                         | 1,028.68   | 2,953.41             | 2,888.04              | 65.36                   | 45.185            |                    |         |
| 7,050.00                   | 6,868.71            | 6,188.26            | 5,670.23            | 34.77           | 41.85       | -75.76                | -2,301.81                         | 1,033.90   | 2,970.56             | 2,904.87              | 65.69                   | 45.219            |                    |         |
| 7,100.00                   | 6,903.77            | 6,211.76            | 5,691.30            | 35.09           | 42.03       | -74.30                | -2,311.12                         | 1,038.54   | 2,987.00             | 2,920.97              | 66.03                   | 45.237            |                    |         |
| 7,150.00                   | 6,935.93            | 6,232.21            | 5,709.65            | 35.44           | 42.18       | -72.95                | -2,319.22                         | 1,042.58   | 3,002.70             | 2,936.32              | 66.37                   | 45.239            |                    |         |
| 7,200.00                   | 6,965.01            | 6,249.51            | 5,725.15            | 35.83           | 42.31       | -71.71                | -2,326.07                         | 1,046.00   | 3,017.65             | 2,950.91              | 66.73                   | 45.220            |                    |         |
| 7,250.00                   | 6,990.82            | 6,263.53            | 5,737.72            | 36.26           | 42.42       | -70.54                | -2,331.62                         | 1,048.77   | 3,031.81             | 2,964.71              | 67.10                   | 45.181            |                    |         |
| 7,300.00                   | 7,013.20            | 6,274.19            | 5,747.29            | 36.72           | 42.50       | -69.44                | -2,335.85                         | 1,050.87   | 3,045.16             | 2,977.67              | 67.49                   | 45.120            |                    |         |
| 7,350.00                   | 7,032.02            | 6,281.43            | 5,753.77            | 37.23           | 42.56       | -68.40                | -2,338.71                         | 1,052.30   | 3,057.66             | 2,989.77              | 67.89                   | 45.037            |                    |         |
| 7,400.00                   | 7,047.15            | 6,285.19            | 5,757.15            | 37.77           | 42.58       | -67.40                | -2,340.21                         | 1,053.05   | 3,069.28             | 3,000.97              | 68.31                   | 44.934            |                    |         |
| 7,450.00                   | 7,058.51            | 6,285.47            | 5,757.40            | 38.34           | 42.59       | -66.46                | -2,340.32                         | 1,053.10   | 3,079.95             | 3,011.22              | 68.73                   | 44.810            |                    |         |
| 7,500.00                   | 7,066.02            | 6,282.25            | 5,754.52            | 38.95           | 42.56       | -65.57                | -2,339.04                         | 1,052.47   | 3,089.63             | 3,020.47              | 69.17                   | 44.670            |                    |         |
| 7,550.00                   | 7,069.64            | 6,275.56            | 5,748.52            | 39.58           | 42.51       | -64.73                | -2,336.39                         | 1,051.14   | 3,098.26             | 3,028.66              | 69.60                   | 44.515            |                    |         |
| 7,571.20                   | 7,070.00            | 6,271.69            | 5,745.04            | 39.85           | 42.48       | -64.39                | -2,334.86                         | 1,050.38   | 3,101.58             | 3,031.80              | 69.78                   | 44.447            |                    |         |
| 7,600.00                   | 7,070.00            | 6,266.00            | 5,739.94            | 40.23           | 42.44       | -64.29                | -2,332.61                         | 1,049.26   | 3,106.08             | 3,036.05              | 70.04                   | 44.350            |                    |         |
| 7,700.00                   | 7,070.01            | 6,246.27            | 5,722.25            | 41.64           | 42.29       | -63.93                | -2,324.79                         | 1,045.36   | 3,123.65             | 3,052.64              | 71.00                   | 43.994            |                    |         |
| 7,800.00                   | 7,070.02            | 6,226.53            | 5,704.55            | 43.20           | 42.14       | -63.57                | -2,316.97                         | 1,041.46   | 3,144.17             | 3,072.09              | 72.08                   | 43.623            |                    |         |
| 7,900.00                   | 7,070.03            | 6,206.80            | 5,686.86            | 44.89           | 41.99       | -63.21                | -2,309.16                         | 1,037.56   | 3,167.59             | 3,094.36              | 73.23                   | 43.253            |                    |         |
| 8,000.00                   | 7,070.04            | 6,187.06            | 5,669.16            | 46.69           | 41.84       | -62.85                | -2,301.34                         | 1,033.66   | 3,193.85             | 3,119.40              | 74.46                   | 42.895            |                    |         |
| 8,100.00                   | 7,070.05            | 6,167.33            | 5,651.46            | 48.60           | 41.70       | -62.48                | -2,293.52                         | 1,029.76   | 3,222.88             | 3,147.16              | 75.73                   | 42.559            |                    |         |
| 8,200.00                   | 7,070.05            | 6,147.60            | 5,633.77            | 50.59           | 41.55       | -62.12                | -2,285.71                         | 1,025.86   | 3,254.61             | 3,177.59              | 77.03                   | 42.254            |                    |         |
| 8,300.00                   | 7,070.06            | 6,127.86            | 5,616.07            | 52.66           | 41.40       | -61.76                | -2,277.89                         | 1,021.96   | 3,288.95             | 3,210.62              | 78.34                   | 41.984            |                    |         |
| 8,400.00                   | 7,070.07            | 6,108.13            | 5,598.37            | 54.81           | 41.25       | -61.41                | -2,270.08                         | 1,018.07   | 3,325.83             | 3,246.18              | 79.66                   | 41.753            |                    |         |
| 8,500.00                   | 7,070.08            | 9,021.00            | 7,074.84            | 57.02           | 62.38       | -90.08                | -2,913.29                         | -360.27    | 3,342.46             | 3,225.19              | 117.27                  | 28.502            |                    |         |
| 8,600.00                   | 7,070.09            | 9,121.00            | 7,075.37            | 59.28           | 64.30       | -90.09                | -2,913.00                         | -460.27    | 3,342.13             | 3,220.44              | 121.70                  | 27.463            |                    |         |
| 8,700.00                   | 7,070.10            | 9,221.00            | 7,075.89            | 61.60           | 66.30       | -90.10                | -2,912.71                         | -560.27    | 3,341.81             | 3,215.58              | 126.22                  | 26.475            |                    |         |
| 8,800.00                   | 7,070.11            | 9,320.99            | 7,076.41            | 63.95           | 68.39       | -90.11                | -2,912.42                         | -660.26    | 3,341.48             | 3,210.64              | 130.85                  | 25.538            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                      |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00  | 7,070.12            | 9,420.99            | 7,076.94            | 66.35           | 70.55       | -90.12                | -2,912.12                         | -760.26    | 3,341.16             | 3,205.61              | 135.55                  | 24.649            |                    |         |
| 9,000.00  | 7,070.13            | 9,520.99            | 7,077.46            | 68.79           | 72.78       | -90.13                | -2,911.83                         | -860.25    | 3,340.83             | 3,200.50              | 140.33                  | 23.807            |                    |         |
| 9,100.00  | 7,070.13            | 9,620.99            | 7,077.98            | 71.25           | 75.05       | -90.13                | -2,911.54                         | -960.25    | 3,340.51             | 3,195.33              | 145.18                  | 23.010            |                    |         |
| 9,200.00  | 7,070.14            | 9,720.99            | 7,078.51            | 73.74           | 77.38       | -90.14                | -2,911.25                         | -1,060.25  | 3,340.18             | 3,190.09              | 150.09                  | 22.255            |                    |         |
| 9,300.00  | 7,070.15            | 9,820.98            | 7,079.03            | 76.26           | 79.74       | -90.15                | -2,910.95                         | -1,160.24  | 3,339.86             | 3,184.80              | 155.05                  | 21.540            |                    |         |
| 9,400.00  | 7,070.16            | 9,920.98            | 7,079.55            | 78.80           | 82.14       | -90.16                | -2,910.66                         | -1,260.24  | 3,339.53             | 3,179.46              | 160.07                  | 20.863            |                    |         |
| 9,500.00  | 7,070.17            | 10,020.98           | 7,080.08            | 81.37           | 84.58       | -90.17                | -2,910.37                         | -1,360.24  | 3,339.21             | 3,174.08              | 165.13                  | 20.222            |                    |         |
| 9,600.00  | 7,070.18            | 10,120.98           | 7,080.60            | 83.95           | 87.04       | -90.18                | -2,910.07                         | -1,460.23  | 3,338.88             | 3,168.65              | 170.23                  | 19.614            |                    |         |
| 9,700.00  | 7,070.19            | 10,220.98           | 7,081.12            | 86.55           | 89.54       | -90.19                | -2,909.78                         | -1,560.23  | 3,338.56             | 3,163.18              | 175.37                  | 19.037            |                    |         |
| 9,800.00  | 7,070.20            | 10,320.98           | 7,081.64            | 89.17           | 92.05       | -90.20                | -2,909.49                         | -1,660.23  | 3,338.23             | 3,157.68              | 180.55                  | 18.489            |                    |         |
| 9,900.00  | 7,070.21            | 10,420.97           | 7,082.17            | 91.80           | 94.59       | -90.21                | -2,909.20                         | -1,760.22  | 3,337.91             | 3,152.15              | 185.76                  | 17.969            |                    |         |
| 10,000.00   | 7,070.21            | 10,520.97           | 7,082.69            | 94.44           | 97.15       | -90.21                | -2,908.90                         | -1,860.22  | 3,337.58             | 3,146.59              | 190.99                  | 17.475            |                    |         |
| 10,100.00   | 7,070.22            | 10,620.97           | 7,083.21            | 97.10           | 99.72       | -90.22                | -2,908.61                         | -1,960.21  | 3,337.26             | 3,141.00              | 196.26                  | 17.005            |                    |         |
| 10,200.00   | 7,070.23            | 10,720.97           | 7,083.74            | 99.77           | 102.32      | -90.23                | -2,908.32                         | -2,060.21  | 3,336.93             | 3,135.39              | 201.55                  | 16.557            |                    |         |
| 10,300.00   | 7,070.24            | 10,820.97           | 7,084.26            | 102.44          | 104.92      | -90.24                | -2,908.03                         | -2,160.21  | 3,336.61             | 3,129.75              | 206.86                  | 16.130            |                    |         |
| 10,400.00   | 7,070.25            | 10,920.96           | 7,084.78            | 105.13          | 107.55      | -90.25                | -2,907.73                         | -2,260.20  | 3,336.28             | 3,124.10              | 212.19                  | 15.723            |                    |         |
| 10,500.00   | 7,070.26            | 11,020.96           | 7,085.31            | 107.83          | 110.18      | -90.26                | -2,907.44                         | -2,360.20  | 3,335.96             | 3,118.42              | 217.54                  | 15.335            |                    |         |
| 10,600.00   | 7,070.27            | 11,120.96           | 7,085.83            | 110.53          | 112.83      | -90.27                | -2,907.15                         | -2,460.20  | 3,335.64             | 3,112.72              | 222.91                  | 14.964            |                    |         |
| 10,700.00   | 7,070.28            | 11,220.96           | 7,086.35            | 113.24          | 115.49      | -90.28                | -2,906.85                         | -2,560.19  | 3,335.31             | 3,107.01              | 228.30                  | 14.609            |                    |         |
| 10,800.00   | 7,070.28            | 11,320.96           | 7,086.88            | 115.96          | 118.15      | -90.29                | -2,906.56                         | -2,660.19  | 3,334.99             | 3,101.29              | 233.70                  | 14.270            |                    |         |
| 10,900.00   | 7,070.29            | 11,420.95           | 7,087.40            | 118.69          | 120.83      | -90.29                | -2,906.27                         | -2,760.19  | 3,334.67             | 3,095.54              | 239.12                  | 13.946            |                    |         |
| 11,000.00   | 7,070.30            | 11,520.95           | 7,087.92            | 121.42          | 123.52      | -90.30                | -2,905.98                         | -2,860.18  | 3,334.34             | 3,089.79              | 244.55                  | 13.634            |                    |         |
| 11,100.00   | 7,070.31            | 11,620.95           | 7,088.44            | 124.16          | 126.21      | -90.31                | -2,905.68                         | -2,960.18  | 3,334.02             | 3,084.02              | 250.00                  | 13.336            |                    |         |
| 11,200.00   | 7,070.32            | 11,720.95           | 7,088.97            | 126.90          | 128.91      | -90.32                | -2,905.39                         | -3,060.17  | 3,333.69             | 3,078.24              | 255.45                  | 13.050            |                    |         |
| 11,300.00   | 7,070.33            | 11,820.95           | 7,089.49            | 129.65          | 131.62      | -90.33                | -2,905.10                         | -3,160.17  | 3,333.37             | 3,072.45              | 260.92                  | 12.775            |                    |         |
| 11,400.00   | 7,070.34            | 11,920.95           | 7,090.01            | 132.40          | 134.33      | -90.34                | -2,904.81                         | -3,260.17  | 3,333.05             | 3,066.65              | 266.40                  | 12.511            |                    |         |
| 11,500.00   | 7,070.35            | 12,020.94           | 7,090.54            | 135.16          | 137.06      | -90.35                | -2,904.51                         | -3,360.16  | 3,332.72             | 3,060.84              | 271.89                  | 12.258            |                    |         |
| 11,600.00   | 7,070.36            | 12,120.94           | 7,091.06            | 137.92          | 139.78      | -90.36                | -2,904.22                         | -3,460.16  | 3,332.40             | 3,055.02              | 277.39                  | 12.014            |                    |         |
| 11,700.00   | 7,070.36            | 12,220.94           | 7,091.58            | 140.69          | 142.52      | -90.36                | -2,903.93                         | -3,560.16  | 3,332.08             | 3,049.19              | 282.89                  | 11.779            |                    |         |
| 11,800.00   | 7,070.37            | 12,320.94           | 7,092.11            | 143.46          | 145.25      | -90.37                | -2,903.63                         | -3,660.15  | 3,331.75             | 3,043.35              | 288.41                  | 11.552            |                    |         |
| 11,900.00   | 7,070.38            | 12,420.94           | 7,092.63            | 146.23          | 148.00      | -90.38                | -2,903.34                         | -3,760.15  | 3,331.43             | 3,037.50              | 293.93                  | 11.334            |                    |         |
| 12,000.00   | 7,070.39            | 12,520.93           | 7,093.15            | 149.01          | 150.74      | -90.39                | -2,903.05                         | -3,860.15  | 3,331.11             | 3,031.65              | 299.46                  | 11.124            |                    |         |
| 12,100.00   | 7,070.40            | 12,620.93           | 7,093.68            | 151.79          | 153.50      | -90.40                | -2,902.76                         | -3,960.14  | 3,330.79             | 3,025.79              | 305.00                  | 10.921            |                    |         |
| 12,200.00   | 7,070.41            | 12,720.93           | 7,094.20            | 154.57          | 156.25      | -90.41                | -2,902.46                         | -4,060.14  | 3,330.46             | 3,019.92              | 310.54                  | 10.725            |                    |         |
| 12,300.00   | 7,070.42            | 12,820.93           | 7,094.72            | 157.35          | 159.01      | -90.42                | -2,902.17                         | -4,160.13  | 3,330.14             | 3,014.05              | 316.09                  | 10.535            |                    |         |
| 12,400.00   | 7,070.43            | 12,920.93           | 7,095.24            | 160.14          | 161.77      | -90.43                | -2,901.88                         | -4,260.13  | 3,329.82             | 3,008.17              | 321.64                  | 10.352            |                    |         |
| 12,500.00   | 7,070.44            | 13,020.93           | 7,095.77            | 162.93          | 164.54      | -90.44                | -2,901.59                         | -4,360.13  | 3,329.49             | 3,002.29              | 327.21                  | 10.176            |                    |         |
| 12,600.00   | 7,070.44            | 13,120.92           | 7,096.29            | 165.72          | 167.31      | -90.44                | -2,901.29                         | -4,460.12  | 3,329.17             | 2,996.40              | 332.77                  | 10.004            |                    |         |
| 12,700.00   | 7,070.45            | 13,220.92           | 7,096.81            | 168.52          | 170.08      | -90.45                | -2,901.00                         | -4,560.12  | 3,328.85             | 2,990.51              | 338.34                  | 9.839             |                    |         |
| 12,746.42   | 7,070.46            | 13,256.62           | 7,097.00            | 169.82          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,328.72             | 2,988.11              | 340.61                  | 9.773             |                    |         |
| 12,800.00   | 7,070.46            | 13,256.62           | 7,097.00            | 171.32          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,329.15             | 2,987.20              | 341.94                  | 9.736             |                    |         |
| 12,900.00   | 7,070.47            | 13,256.62           | 7,097.00            | 174.11          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,332.26             | 2,988.05              | 344.21                  | 9.681             |                    |         |
| 13,000.00   | 7,070.48            | 13,256.62           | 7,097.00            | 176.92          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,338.36             | 2,992.18              | 346.18                  | 9.643             |                    |         |
| 13,100.00   | 7,070.49            | 13,256.62           | 7,097.00            | 179.72          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,347.44             | 2,999.59              | 347.86                  | 9.623             |                    |         |
| 13,200.00   | 7,070.50            | 13,256.62           | 7,097.00            | 182.52          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,359.48             | 3,010.25              | 349.23                  | 9.620 SF          |                    |         |
| 13,300.00   | 7,070.51            | 13,256.62           | 7,097.00            | 185.33          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,374.43             | 3,024.12              | 350.31                  | 9.633             |                    |         |
| 13,400.00   | 7,070.52            | 13,256.62           | 7,097.00            | 188.14          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,392.27             | 3,041.17              | 351.10                  | 9.662             |                    |         |
| 13,500.00   | 7,070.52            | 13,256.62           | 7,097.00            | 190.95          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,412.95             | 3,061.34              | 351.61                  | 9.707             |                    |         |
| 13,600.00   | 7,070.53            | 13,256.62           | 7,097.00            | 193.76          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,436.42             | 3,084.57              | 351.84                  | 9.767             |                    |         |
| 13,700.00   | 7,070.54            | 13,256.62           | 7,097.00            | 196.57          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,462.61             | 3,110.80              | 351.81                  | 9.842             |                    |         |
| 13,800.00   | 7,070.55            | 13,256.62           | 7,097.00            | 199.38          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,491.47             | 3,139.94              | 351.53                  | 9.932             |                    |         |
| 13,900.00   | 7,070.56            | 13,256.62           | 7,097.00            | 202.20          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,522.94             | 3,171.93              | 351.01                  | 10.037            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                      |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00   | 7,070.57            | 13,256.62           | 7,097.00            | 205.01          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,556.94             | 3,206.67              | 350.27                  | 10.155            |                    |         |
| 14,100.00   | 7,070.58            | 13,256.62           | 7,097.00            | 207.83          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,593.40             | 3,244.09              | 349.31                  | 10.287            |                    |         |
| 14,200.00   | 7,070.59            | 13,256.62           | 7,097.00            | 210.65          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,632.25             | 3,284.08              | 348.17                  | 10.433            |                    |         |
| 14,300.00   | 7,070.60            | 13,256.62           | 7,097.00            | 213.47          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,673.41             | 3,326.57              | 346.84                  | 10.591            |                    |         |
| 14,400.00   | 7,070.60            | 13,256.62           | 7,097.00            | 216.29          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,716.81             | 3,371.46              | 345.35                  | 10.762            |                    |         |
| 14,500.00   | 7,070.61            | 13,256.62           | 7,097.00            | 219.11          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,762.36             | 3,418.65              | 343.71                  | 10.946            |                    |         |
| 14,600.00   | 7,070.62            | 13,256.62           | 7,097.00            | 221.94          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,810.00             | 3,468.05              | 341.95                  | 11.142            |                    |         |
| 14,700.00   | 7,070.63            | 13,256.62           | 7,097.00            | 224.76          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,859.64             | 3,519.58              | 340.06                  | 11.350            |                    |         |
| 14,800.00   | 7,070.64            | 13,256.62           | 7,097.00            | 227.58          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,911.21             | 3,573.14              | 338.07                  | 11.569            |                    |         |
| 14,900.00   | 7,070.65            | 13,256.62           | 7,097.00            | 230.41          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 3,964.62             | 3,628.64              | 335.98                  | 11.800            |                    |         |
| 15,000.00   | 7,070.66            | 13,256.62           | 7,097.00            | 233.24          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,019.82             | 3,686.00              | 333.82                  | 12.042            |                    |         |
| 15,100.00   | 7,070.67            | 13,256.62           | 7,097.00            | 236.06          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,076.72             | 3,745.13              | 331.59                  | 12.294            |                    |         |
| 15,200.00   | 7,070.68            | 13,256.62           | 7,097.00            | 238.89          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,135.26             | 3,805.96              | 329.31                  | 12.557            |                    |         |
| 15,300.00   | 7,070.68            | 13,256.62           | 7,097.00            | 241.72          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,195.37             | 3,868.39              | 326.98                  | 12.831            |                    |         |
| 15,400.00   | 7,070.69            | 13,256.62           | 7,097.00            | 244.55          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,256.97             | 3,932.36              | 324.61                  | 13.114            |                    |         |
| 15,500.00   | 7,070.70            | 13,256.62           | 7,097.00            | 247.38          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,320.02             | 3,997.80              | 322.22                  | 13.407            |                    |         |
| 15,600.00   | 7,070.71            | 13,256.62           | 7,097.00            | 250.21          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,384.43             | 4,064.63              | 319.81                  | 13.710            |                    |         |
| 15,700.00   | 7,070.72            | 13,256.62           | 7,097.00            | 253.04          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,450.16             | 4,132.78              | 317.38                  | 14.022            |                    |         |
| 15,800.00   | 7,070.73            | 13,256.62           | 7,097.00            | 255.87          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,517.15             | 4,202.20              | 314.95                  | 14.342            |                    |         |
| 15,900.00   | 7,070.74            | 13,256.62           | 7,097.00            | 258.71          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,585.35             | 4,272.82              | 312.52                  | 14.672            |                    |         |
| 16,000.00   | 7,070.75            | 13,256.62           | 7,097.00            | 261.54          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,654.69             | 4,344.59              | 310.10                  | 15.010            |                    |         |
| 16,100.00   | 7,070.76            | 13,256.62           | 7,097.00            | 264.37          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,725.13             | 4,417.44              | 307.69                  | 15.357            |                    |         |
| 16,200.00   | 7,070.76            | 13,256.62           | 7,097.00            | 267.21          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,796.62             | 4,491.33              | 305.29                  | 15.712            |                    |         |
| 16,300.00   | 7,070.77            | 13,256.62           | 7,097.00            | 270.04          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,869.11             | 4,566.20              | 302.91                  | 16.074            |                    |         |
| 16,400.00   | 7,070.78            | 13,256.62           | 7,097.00            | 272.88          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 4,942.57             | 4,642.01              | 300.56                  | 16.445            |                    |         |
| 16,500.00   | 7,070.79            | 13,256.62           | 7,097.00            | 275.71          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,016.94             | 4,718.72              | 298.22                  | 16.823            |                    |         |
| 16,600.00   | 7,070.80            | 13,256.62           | 7,097.00            | 278.55          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,092.19             | 4,796.27              | 295.92                  | 17.208            |                    |         |
| 16,700.00   | 7,070.81            | 13,256.62           | 7,097.00            | 281.39          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,168.28             | 4,874.64              | 293.64                  | 17.601            |                    |         |
| 16,800.00   | 7,070.82            | 13,256.62           | 7,097.00            | 284.22          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,245.17             | 4,953.77              | 291.40                  | 18.000            |                    |         |
| 16,900.00   | 7,070.83            | 13,256.62           | 7,097.00            | 287.06          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,322.83             | 5,033.64              | 289.19                  | 18.406            |                    |         |
| 17,000.00   | 7,070.84            | 13,256.62           | 7,097.00            | 289.90          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,401.23             | 5,114.22              | 287.01                  | 18.819            |                    |         |
| 17,100.00   | 7,070.84            | 13,256.62           | 7,097.00            | 292.74          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,480.33             | 5,195.46              | 284.87                  | 19.238            |                    |         |
| 17,200.00   | 7,070.85            | 13,256.62           | 7,097.00            | 295.58          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,560.10             | 5,277.34              | 282.76                  | 19.664            |                    |         |
| 17,300.00   | 7,070.86            | 13,256.62           | 7,097.00            | 298.42          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,640.51             | 5,359.82              | 280.69                  | 20.095            |                    |         |
| 17,400.00   | 7,070.87            | 13,256.62           | 7,097.00            | 301.26          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,721.55             | 5,442.89              | 278.66                  | 20.533            |                    |         |
| 17,500.00   | 7,070.88            | 13,256.62           | 7,097.00            | 304.10          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,803.17             | 5,526.51              | 276.66                  | 20.976            |                    |         |
| 17,600.00   | 7,070.89            | 13,256.62           | 7,097.00            | 306.94          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,885.37             | 5,610.67              | 274.70                  | 21.425            |                    |         |
| 17,700.00   | 7,070.90            | 13,256.62           | 7,097.00            | 309.78          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 5,968.10             | 5,695.32              | 272.78                  | 21.879            |                    |         |
| 17,800.00   | 7,070.91            | 13,256.62           | 7,097.00            | 312.62          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,051.36             | 5,780.47              | 270.89                  | 22.338            |                    |         |
| 17,900.00   | 7,070.92            | 13,256.62           | 7,097.00            | 315.46          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,135.12             | 5,866.07              | 269.05                  | 22.803            |                    |         |
| 18,000.00   | 7,070.92            | 13,256.62           | 7,097.00            | 318.31          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,219.36             | 5,952.12              | 267.24                  | 23.273            |                    |         |
| 18,100.00   | 7,070.93            | 13,256.62           | 7,097.00            | 321.15          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,304.06             | 6,038.59              | 265.46                  | 23.747            |                    |         |
| 18,200.00   | 7,070.94            | 13,256.62           | 7,097.00            | 323.99          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,389.20             | 6,125.47              | 263.73                  | 24.227            |                    |         |
| 18,300.00   | 7,070.95            | 13,256.62           | 7,097.00            | 326.83          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,474.76             | 6,212.74              | 262.02                  | 24.711            |                    |         |
| 18,400.00   | 7,070.96            | 13,256.62           | 7,097.00            | 329.68          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,560.74             | 6,300.38              | 260.36                  | 25.199            |                    |         |
| 18,500.00   | 7,070.97            | 13,256.62           | 7,097.00            | 332.52          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,647.10             | 6,388.38              | 258.73                  | 25.692            |                    |         |
| 18,600.00   | 7,070.98            | 13,256.62           | 7,097.00            | 335.36          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,733.85             | 6,476.72              | 257.13                  | 26.189            |                    |         |
| 18,700.00   | 7,070.99            | 13,256.62           | 7,097.00            | 338.21          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,820.95             | 6,565.39              | 255.57                  | 26.690            |                    |         |
| 18,800.00   | 7,070.99            | 13,256.62           | 7,097.00            | 341.05          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,908.41             | 6,654.37              | 254.04                  | 27.195            |                    |         |
| 18,858.54   | 7,071.00            | 13,256.62           | 7,097.00            | 342.72          | 171.07      | -90.46                | -2,900.90                         | -4,595.82  | 6,959.76             | 6,706.61              | 253.15                  | 27.492            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    |         |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning            |         |
| 0.00  | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 0.00                  | 14.93                             | 0.00       | 14.93                |                       |                         |                   |                    |         |
| 100.00  | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | 0.00                  | 14.93                             | 0.00       | 14.93                | 8.36                  | 6.57                    | 2.273             |                    |         |
| 200.00  | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | 0.00                  | 14.93                             | 0.00       | 14.93                | 8.26                  | 6.67                    | 2.237 CC          |                    |         |
| 300.00  | 300.00              | 299.74              | 299.72              | 3.44            | 3.44        | 5.77                  | 15.65                             | 1.58       | 15.73                | 8.84                  | 6.89                    | 2.283             |                    |         |
| 400.00  | 399.98              | 399.35              | 399.19              | 3.60            | 3.60        | -57.38                | 17.80                             | 6.31       | 17.91                | 10.69                 | 7.22                    | 2.482             |                    |         |
| 500.00  | 499.84              | 498.83              | 498.29              | 3.80            | 3.81        | -51.02                | 21.37                             | 14.18      | 20.75                | 13.11                 | 7.64                    | 2.716             |                    |         |
| 600.00  | 599.45              | 598.18              | 596.90              | 4.04            | 4.05        | -46.99                | 26.36                             | 25.15      | 24.06                | 15.91                 | 8.15                    | 2.952             |                    |         |
| 700.00  | 698.70              | 697.41              | 694.92              | 4.32            | 4.34        | -44.62                | 32.75                             | 39.21      | 27.71                | 18.97                 | 8.73                    | 3.173             |                    |         |
| 800.00  | 797.47              | 796.52              | 792.21              | 4.63            | 4.65        | -43.40                | 40.53                             | 56.34      | 31.63                | 22.26                 | 9.37                    | 3.375             |                    |         |
| 900.00  | 895.62              | 903.80              | 889.57              | 4.97            | 5.03        | -43.86                | 49.39                             | 75.83      | 35.09                | 25.01                 | 10.08                   | 3.482             |                    |         |
| 924.00  | 919.08              | 920.19              | 913.00              | 5.06            | 5.09        | -44.51                | 51.54                             | 80.55      | 35.57                | 25.35                 | 10.22                   | 3.481             |                    |         |
| 1,000.00  | 993.28              | 1,003.83            | 987.18              | 5.34            | 5.41        | -46.84                | 58.33                             | 95.50      | 36.91                | 26.11                 | 10.80                   | 3.418             |                    |         |
| 1,100.00  | 1,090.92            | 1,096.13            | 1,084.78            | 5.73            | 5.78        | -49.64                | 67.27                             | 115.16     | 38.75                | 27.22                 | 11.54                   | 3.359             |                    |         |
| 1,200.00  | 1,188.56            | 1,196.10            | 1,182.39            | 6.15            | 6.20        | -52.19                | 76.21                             | 134.83     | 40.68                | 28.34                 | 12.34                   | 3.296             |                    |         |
| 1,300.00  | 1,286.19            | 1,303.93            | 1,279.99            | 6.57            | 6.66        | -54.50                | 85.15                             | 154.50     | 42.69                | 29.47                 | 13.22                   | 3.230             |                    |         |
| 1,400.00  | 1,383.83            | 1,403.97            | 1,377.59            | 7.01            | 7.10        | -56.61                | 94.08                             | 174.16     | 44.75                | 30.67                 | 14.08                   | 3.178             |                    |         |
| 1,500.00  | 1,481.47            | 1,504.00            | 1,475.20            | 7.46            | 7.55        | -58.52                | 103.02                            | 193.83     | 46.87                | 31.90                 | 14.97                   | 3.131             |                    |         |
| 1,600.00  | 1,579.10            | 1,595.96            | 1,572.80            | 7.91            | 7.97        | -60.27                | 111.96                            | 213.50     | 49.04                | 33.20                 | 15.84                   | 3.096             |                    |         |
| 1,700.00  | 1,676.74            | 1,704.07            | 1,670.40            | 8.37            | 8.47        | -61.87                | 120.90                            | 233.16     | 51.25                | 34.46                 | 16.80                   | 3.052             |                    |         |
| 1,800.00  | 1,774.38            | 1,804.10            | 1,768.01            | 8.84            | 8.94        | -63.33                | 129.83                            | 252.83     | 53.50                | 35.77                 | 17.73                   | 3.018             |                    |         |
| 1,900.00  | 1,872.02            | 1,904.14            | 1,865.61            | 9.31            | 9.41        | -64.68                | 138.77                            | 272.50     | 55.78                | 37.11                 | 18.67                   | 2.988             |                    |         |
| 2,000.00  | 1,969.65            | 1,995.83            | 1,963.22            | 9.79            | 9.85        | -65.92                | 147.71                            | 292.16     | 58.09                | 38.50                 | 19.58                   | 2.966             |                    |         |
| 2,100.00  | 2,067.29            | 2,104.21            | 2,060.82            | 10.27           | 10.37       | -67.06                | 156.65                            | 311.83     | 60.42                | 39.84                 | 20.58                   | 2.935             |                    |         |
| 2,200.00  | 2,164.93            | 2,204.24            | 2,158.42            | 10.75           | 10.85       | -68.12                | 165.59                            | 331.50     | 62.78                | 41.23                 | 21.55                   | 2.913             |                    |         |
| 2,300.00  | 2,262.56            | 2,304.28            | 2,256.03            | 11.24           | 11.34       | -69.10                | 174.52                            | 351.17     | 65.15                | 42.63                 | 22.52                   | 2.893             |                    |         |
| 2,400.00  | 2,360.20            | 2,404.31            | 2,353.63            | 11.73           | 11.82       | -70.01                | 183.46                            | 370.83     | 67.55                | 44.05                 | 23.50                   | 2.875             |                    |         |
| 2,500.00  | 2,457.84            | 2,495.66            | 2,451.23            | 12.22           | 12.27       | -70.86                | 192.40                            | 390.50     | 69.95                | 45.52                 | 24.44                   | 2.863             |                    |         |
| 2,600.00  | 2,555.48            | 2,604.38            | 2,548.84            | 12.71           | 12.80       | -71.66                | 201.34                            | 410.17     | 72.38                | 46.91                 | 25.46                   | 2.842             |                    |         |
| 2,700.00  | 2,653.11            | 2,704.41            | 2,646.44            | 13.20           | 13.29       | -72.40                | 210.28                            | 429.83     | 74.81                | 48.36                 | 26.45                   | 2.828             |                    |         |
| 2,800.00  | 2,750.75            | 2,804.45            | 2,744.05            | 13.70           | 13.79       | -73.09                | 219.21                            | 449.50     | 77.26                | 49.82                 | 27.44                   | 2.815             |                    |         |
| 2,900.00  | 2,848.39            | 2,904.48            | 2,841.65            | 14.19           | 14.28       | -73.75                | 228.15                            | 469.17     | 79.72                | 51.29                 | 28.43                   | 2.804             |                    |         |
| 3,000.00  | 2,946.02            | 3,004.52            | 2,939.25            | 14.69           | 14.78       | -74.36                | 237.09                            | 488.83     | 82.19                | 52.76                 | 29.43                   | 2.793             |                    |         |
| 3,100.00  | 3,043.66            | 3,104.55            | 3,036.86            | 15.19           | 15.27       | -74.94                | 246.03                            | 508.50     | 84.67                | 54.24                 | 30.43                   | 2.783             |                    |         |
| 3,200.00  | 3,141.30            | 3,204.58            | 3,134.46            | 15.69           | 15.77       | -75.48                | 254.96                            | 528.17     | 87.15                | 55.72                 | 31.43                   | 2.773             |                    |         |
| 3,300.00  | 3,238.94            | 3,304.62            | 3,232.06            | 16.19           | 16.27       | -75.99                | 263.90                            | 547.83     | 89.64                | 57.22                 | 32.43                   | 2.764             |                    |         |
| 3,400.00  | 3,336.57            | 3,404.65            | 3,329.67            | 16.69           | 16.77       | -76.48                | 272.84                            | 567.50     | 92.14                | 58.71                 | 33.43                   | 2.756             |                    |         |
| 3,500.00  | 3,434.21            | 3,504.69            | 3,427.27            | 17.19           | 17.27       | -76.94                | 281.78                            | 587.17     | 94.65                | 60.22                 | 34.43                   | 2.749             |                    |         |
| 3,600.00  | 3,531.85            | 3,604.72            | 3,524.88            | 17.69           | 17.77       | -77.38                | 290.72                            | 606.83     | 97.16                | 61.72                 | 35.44                   | 2.742             |                    |         |
| 3,700.00  | 3,629.48            | 3,704.76            | 3,622.48            | 18.20           | 18.27       | -77.79                | 299.65                            | 626.50     | 99.68                | 63.23                 | 36.44                   | 2.735             |                    |         |
| 3,800.00  | 3,727.12            | 3,804.79            | 3,720.08            | 18.70           | 18.77       | -78.19                | 308.59                            | 646.17     | 102.20               | 64.75                 | 37.45                   | 2.729             |                    |         |
| 3,900.00  | 3,824.76            | 3,904.82            | 3,817.69            | 19.21           | 19.27       | -78.56                | 317.53                            | 665.83     | 104.73               | 66.27                 | 38.46                   | 2.723             |                    |         |
| 4,000.00  | 3,922.40            | 4,004.86            | 3,915.29            | 19.71           | 19.78       | -78.92                | 326.47                            | 685.50     | 107.26               | 67.79                 | 39.47                   | 2.718             |                    |         |
| 4,100.00  | 4,020.03            | 4,104.89            | 4,012.89            | 20.21           | 20.28       | -79.26                | 335.40                            | 705.17     | 109.79               | 69.32                 | 40.47                   | 2.713             |                    |         |
| 4,200.00  | 4,117.67            | 4,204.93            | 4,110.50            | 20.72           | 20.78       | -79.59                | 344.34                            | 724.83     | 112.33               | 70.84                 | 41.48                   | 2.708             |                    |         |
| 4,300.00  | 4,215.31            | 4,304.96            | 4,208.10            | 21.23           | 21.28       | -79.90                | 353.28                            | 744.50     | 114.87               | 72.38                 | 42.49                   | 2.703             |                    |         |
| 4,400.00  | 4,312.94            | 4,395.01            | 4,305.71            | 21.73           | 21.74       | -80.19                | 362.22                            | 764.17     | 117.42               | 73.96                 | 43.46                   | 2.702             |                    |         |
| 4,500.00  | 4,410.58            | 4,494.97            | 4,403.31            | 22.24           | 22.24       | -80.48                | 371.16                            | 783.83     | 119.96               | 75.50                 | 44.47                   | 2.698             |                    |         |
| 4,600.00  | 4,508.22            | 4,605.06            | 4,500.91            | 22.75           | 22.80       | -80.75                | 380.09                            | 803.50     | 122.52               | 76.99                 | 45.53                   | 2.691             |                    |         |
| 4,700.00  | 4,605.86            | 4,705.10            | 4,598.52            | 23.25           | 23.30       | -81.02                | 389.03                            | 823.17     | 125.07               | 78.53                 | 46.54                   | 2.687             |                    |         |
| 4,800.00  | 4,703.49            | 4,805.13            | 4,696.12            | 23.76           | 23.81       | -81.27                | 397.97                            | 842.84     | 127.63               | 80.07                 | 47.56                   | 2.684             |                    |         |
| 4,900.00  | 4,801.13            | 4,905.17            | 4,793.72            | 24.27           | 24.31       | -81.51                | 406.91                            | 862.50     | 130.18               | 81.62                 | 48.57                   | 2.680             |                    |         |
| 5,000.00  | 4,898.77            | 5,005.20            | 4,891.33            | 24.77           | 24.82       | -81.74                | 415.84                            | 882.17     | 132.74               | 83.16                 | 49.58                   | 2.677             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00  | 4,996.40            | 5,105.23            | 4,988.93            | 25.28           | 25.32       | -81.96                | 424.78                            | 901.84     | 135.31               | 84.71                 | 50.60                   | 2.674             |                    |         |
| 5,200.00  | 5,094.04            | 5,205.27            | 5,086.54            | 25.79           | 25.83       | -82.18                | 433.72                            | 921.50     | 137.87               | 86.26                 | 51.61                   | 2.671             |                    |         |
| 5,300.00  | 5,191.68            | 5,305.30            | 5,184.14            | 26.30           | 26.33       | -82.39                | 442.66                            | 941.17     | 140.44               | 87.81                 | 52.63                   | 2.669             |                    |         |
| 5,400.00  | 5,289.32            | 5,394.66            | 5,281.74            | 26.81           | 26.79       | -82.59                | 451.60                            | 960.84     | 143.01               | 89.42                 | 53.59                   | 2.669             |                    |         |
| 5,500.00  | 5,386.95            | 5,505.37            | 5,379.35            | 27.32           | 27.35       | -82.78                | 460.53                            | 980.50     | 145.58               | 90.92                 | 54.66                   | 2.664             |                    |         |
| 5,600.00  | 5,484.59            | 5,605.41            | 5,476.95            | 27.83           | 27.85       | -82.97                | 469.47                            | 1,000.17   | 148.15               | 92.48                 | 55.67                   | 2.661             |                    |         |
| 5,700.00  | 5,582.23            | 5,705.44            | 5,574.55            | 28.33           | 28.36       | -83.15                | 478.41                            | 1,019.84   | 150.72               | 94.04                 | 56.69                   | 2.659             |                    |         |
| 5,800.00  | 5,679.87            | 5,805.47            | 5,672.16            | 28.84           | 28.86       | -83.32                | 487.35                            | 1,039.50   | 153.30               | 95.59                 | 57.70                   | 2.657             |                    |         |
| 5,900.00  | 5,777.50            | 5,905.51            | 5,769.76            | 29.35           | 29.37       | -83.49                | 496.29                            | 1,059.17   | 155.87               | 97.15                 | 58.72                   | 2.655             |                    |         |
| 6,000.00  | 5,875.14            | 6,005.54            | 5,867.37            | 29.86           | 29.88       | -83.65                | 505.22                            | 1,078.84   | 158.45               | 98.71                 | 59.74                   | 2.652             |                    |         |
| 6,100.00  | 5,972.78            | 6,105.58            | 5,964.97            | 30.37           | 30.38       | -83.81                | 514.16                            | 1,098.50   | 161.03               | 100.28                | 60.75                   | 2.651             |                    |         |
| 6,200.00  | 6,070.41            | 6,205.61            | 6,062.57            | 30.88           | 30.89       | -83.96                | 523.10                            | 1,118.17   | 163.61               | 101.84                | 61.77                   | 2.649             |                    |         |
| 6,300.00  | 6,168.05            | 6,305.64            | 6,160.18            | 31.39           | 31.40       | -84.11                | 532.04                            | 1,137.84   | 166.19               | 103.40                | 62.79                   | 2.647             |                    |         |
| 6,400.00  | 6,265.69            | 6,405.68            | 6,257.78            | 31.90           | 31.91       | -84.25                | 540.97                            | 1,157.50   | 168.77               | 104.97                | 63.81                   | 2.645             |                    |         |
| 6,439.09  | 6,303.85            | 6,433.39            | 6,295.93            | 32.10           | 32.05       | -84.31                | 544.47                            | 1,165.19   | 169.78               | 105.64                | 64.14                   | 2.647             |                    |         |
| 6,450.00  | 6,314.53            | 6,444.30            | 6,306.58            | 32.16           | 32.10       | -82.84                | 545.44                            | 1,167.34   | 170.04               | 105.79                | 64.26                   | 2.646             |                    |         |
| 6,500.00  | 6,363.83            | 6,505.78            | 6,355.32            | 32.39           | 32.41       | -70.64                | 549.91                            | 1,177.16   | 170.76               | 105.96                | 64.80                   | 2.635             |                    |         |
| 6,550.00  | 6,413.58            | 6,543.80            | 6,403.73            | 32.60           | 32.61       | -35.95                | 554.34                            | 1,186.91   | 170.83               | 105.64                | 65.19                   | 2.620             |                    |         |
| 6,600.00  | 6,463.45            | 6,592.74            | 6,451.51            | 32.79           | 32.86       | 28.25                 | 558.71                            | 1,196.54   | 170.70               | 105.11                | 65.59                   | 2.603             |                    |         |
| 6,603.39  | 6,466.83            | 6,596.02            | 6,454.71            | 32.80           | 32.87       | 31.54                 | 559.01                            | 1,197.19   | 170.70               | 105.09                | 65.61                   | 2.602             |                    |         |
| 6,650.00  | 6,513.15            | 6,640.65            | 6,498.31            | 32.97           | 33.10       | 60.18                 | 563.00                            | 1,205.85   | 171.04               | 105.13                | 65.91                   | 2.595             |                    |         |
| 6,700.00  | 6,562.37            | 6,688.57            | 6,545.55            | 33.15           | 33.32       | 74.83                 | 567.33                            | 1,212.59   | 172.56               | 106.39                | 66.17                   | 2.608             |                    |         |
| 6,750.00  | 6,610.80            | 6,737.63            | 6,594.28            | 33.34           | 33.53       | 84.23                 | 571.79                            | 1,215.78   | 175.36               | 108.98                | 66.38                   | 2.642             |                    |         |
| 6,800.00  | 6,658.14            | 6,787.91            | 6,644.33            | 33.53           | 33.72       | 91.44                 | 576.38                            | 1,215.12   | 179.38               | 112.87                | 66.51                   | 2.697             |                    |         |
| 6,850.00  | 6,704.11            | 6,839.50            | 6,695.47            | 33.74           | 33.91       | 97.45                 | 581.08                            | 1,210.33   | 184.51               | 117.98                | 66.53                   | 2.773             |                    |         |
| 6,900.00  | 6,748.42            | 6,892.50            | 6,747.43            | 33.97           | 34.10       | 102.64                | 585.85                            | 1,201.10   | 190.61               | 124.22                | 66.38                   | 2.871             |                    |         |
| 6,950.00  | 6,790.79            | 6,947.00            | 6,799.86            | 34.21           | 34.30       | 107.21                | 590.66                            | 1,187.12   | 197.48               | 131.46                | 66.02                   | 2.991             |                    |         |
| 7,000.00  | 6,830.97            | 7,003.08            | 6,852.38            | 34.48           | 34.52       | 111.25                | 595.49                            | 1,168.08   | 204.93               | 139.53                | 65.40                   | 3.134             |                    |         |
| 7,050.00  | 6,868.71            | 7,060.82            | 6,904.49            | 34.77           | 34.76       | 114.81                | 600.28                            | 1,143.71   | 212.75               | 148.25                | 64.50                   | 3.299             |                    |         |
| 7,100.00  | 6,903.77            | 7,120.28            | 6,955.62            | 35.09           | 35.03       | 117.95                | 604.99                            | 1,113.77   | 220.72               | 157.39                | 63.33                   | 3.485             |                    |         |
| 7,150.00  | 6,935.93            | 7,181.50            | 7,005.11            | 35.44           | 35.33       | 120.69                | 609.55                            | 1,078.08   | 228.62               | 166.69                | 61.93                   | 3.692             |                    |         |
| 7,200.00  | 6,965.01            | 7,244.47            | 7,052.23            | 35.83           | 35.68       | 123.07                | 613.90                            | 1,036.57   | 236.25               | 175.87                | 60.38                   | 3.913             |                    |         |
| 7,250.00  | 6,990.82            | 7,309.17            | 7,096.14            | 36.26           | 36.09       | 125.10                | 617.95                            | 989.27     | 243.41               | 184.61                | 58.80                   | 4.140             |                    |         |
| 7,300.00  | 7,013.20            | 7,375.51            | 7,135.96            | 36.72           | 36.56       | 126.80                | 621.64                            | 936.37     | 249.92               | 192.58                | 57.34                   | 4.359             |                    |         |
| 7,350.00  | 7,032.02            | 7,443.37            | 7,170.80            | 37.23           | 37.11       | 128.20                | 624.87                            | 878.27     | 255.60               | 199.44                | 56.16                   | 4.551             |                    |         |
| 7,400.00  | 7,047.15            | 7,512.56            | 7,199.78            | 37.77           | 37.74       | 129.29                | 627.56                            | 815.53     | 260.30               | 204.83                | 55.48                   | 4.692             |                    |         |
| 7,450.00  | 7,058.51            | 7,582.84            | 7,222.10            | 38.34           | 38.46       | 130.09                | 629.65                            | 748.96     | 263.91               | 208.47                | 55.44                   | 4.761             |                    |         |
| 7,500.00  | 7,066.02            | 7,653.93            | 7,237.11            | 38.95           | 39.24       | 130.61                | 631.07                            | 679.53     | 266.32               | 210.18                | 56.14                   | 4.744             |                    |         |
| 7,550.00  | 7,069.64            | 7,725.50            | 7,244.34            | 39.58           | 40.10       | 130.84                | 631.77                            | 608.37     | 267.46               | 209.84                | 57.62                   | 4.642             |                    |         |
| 7,571.20  | 7,070.00            | 7,755.89            | 7,245.00            | 39.85           | 40.47       | 130.85                | 631.85                            | 577.98     | 267.56               | 209.10                | 58.46                   | 4.577             |                    |         |
| 7,577.10  | 7,070.00            | 7,764.36            | 7,244.92            | 39.93           | 40.57       | 130.84                | 631.85                            | 569.51     | 267.52               | 208.81                | 58.72                   | 4.556             |                    |         |
| 7,600.00  | 7,070.00            | 7,783.92            | 7,245.05            | 40.23           | 40.83       | 130.85                | 631.87                            | 549.95     | 267.62               | 208.60                | 59.02                   | 4.534             |                    |         |
| 7,700.00  | 7,070.01            | 7,883.92            | 7,245.23            | 41.64           | 42.21       | 130.86                | 631.95                            | 449.95     | 267.81               | 206.54                | 61.27                   | 4.371             |                    |         |
| 7,800.00  | 7,070.02            | 7,983.92            | 7,245.41            | 43.20           | 43.72       | 130.88                | 632.03                            | 349.95     | 268.01               | 204.26                | 63.75                   | 4.204             |                    |         |
| 7,900.00  | 7,070.03            | 8,083.92            | 7,245.58            | 44.89           | 45.37       | 130.89                | 632.11                            | 249.95     | 268.20               | 201.76                | 66.44                   | 4.037             |                    |         |
| 8,000.00  | 7,070.04            | 8,183.92            | 7,245.76            | 46.69           | 47.13       | 130.90                | 632.18                            | 149.96     | 268.39               | 199.08                | 69.31                   | 3.872             |                    |         |
| 8,100.00  | 7,070.05            | 8,283.92            | 7,245.94            | 48.60           | 49.00       | 130.91                | 632.26                            | 49.96      | 268.59               | 196.23                | 72.35                   | 3.712             |                    |         |
| 8,200.00  | 7,070.05            | 8,383.92            | 7,246.11            | 50.59           | 50.96       | 130.92                | 632.34                            | -50.04     | 268.78               | 193.25                | 75.54                   | 3.558             |                    |         |
| 8,300.00  | 7,070.06            | 8,483.92            | 7,246.29            | 52.66           | 53.01       | 130.93                | 632.42                            | -150.04    | 268.98               | 190.13                | 78.84                   | 3.412             |                    |         |
| 8,400.00  | 7,070.07            | 8,583.92            | 7,246.47            | 54.81           | 55.12       | 130.95                | 632.49                            | -250.04    | 269.17               | 186.91                | 82.26                   | 3.272             |                    |         |
| 8,500.00  | 7,070.08            | 8,683.92            | 7,246.65            | 57.02           | 57.30       | 130.96                | 632.57                            | -350.04    | 269.36               | 183.59                | 85.78                   | 3.140             |                    |         |
| 8,600.00  | 7,070.09            | 8,783.92            | 7,246.82            | 59.28           | 59.54       | 130.97                | 632.65                            | -450.04    | 269.56               | 180.18                | 89.38                   | 3.016             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                   | 7,070.10            | 8,883.92            | 7,247.00            | 61.60           | 61.83       | 130.98                | 632.73                            | -550.04    | 269.75               | 176.70                | 93.05                   | 2.899             |                    |         |
| 8,800.00                   | 7,070.11            | 8,983.92            | 7,247.18            | 63.95           | 64.17       | 130.99                | 632.80                            | -650.04    | 269.95               | 173.15                | 96.80                   | 2.789             |                    |         |
| 8,900.00                   | 7,070.12            | 9,083.92            | 7,247.35            | 66.35           | 66.55       | 131.00                | 632.88                            | -750.04    | 270.14               | 169.54                | 100.60                  | 2.685             |                    |         |
| 9,000.00                   | 7,070.13            | 9,183.92            | 7,247.53            | 68.79           | 68.96       | 131.01                | 632.96                            | -850.04    | 270.34               | 165.88                | 104.45                  | 2.588             |                    |         |
| 9,100.00                   | 7,070.13            | 9,283.92            | 7,247.71            | 71.25           | 71.41       | 131.03                | 633.04                            | -950.04    | 270.53               | 162.18                | 108.35                  | 2.497             |                    |         |
| 9,200.00                   | 7,070.14            | 9,383.92            | 7,247.89            | 73.74           | 73.89       | 131.04                | 633.11                            | -1,050.04  | 270.72               | 158.43                | 112.29                  | 2.411             |                    |         |
| 9,300.00                   | 7,070.15            | 9,483.92            | 7,248.06            | 76.26           | 76.39       | 131.05                | 633.19                            | -1,150.04  | 270.92               | 154.65                | 116.27                  | 2.330             |                    |         |
| 9,400.00                   | 7,070.16            | 9,583.92            | 7,248.24            | 78.80           | 78.92       | 131.06                | 633.27                            | -1,250.04  | 271.11               | 150.83                | 120.29                  | 2.254             |                    |         |
| 9,500.00                   | 7,070.17            | 9,683.91            | 7,248.42            | 81.37           | 81.47       | 131.07                | 633.35                            | -1,350.04  | 271.31               | 146.98                | 124.33                  | 2.182             |                    |         |
| 9,600.00                   | 7,070.18            | 9,783.91            | 7,248.59            | 83.95           | 84.04       | 131.08                | 633.42                            | -1,450.04  | 271.50               | 143.10                | 128.40                  | 2.115             |                    |         |
| 9,700.00                   | 7,070.19            | 9,883.91            | 7,248.77            | 86.55           | 86.63       | 131.09                | 633.50                            | -1,550.04  | 271.70               | 139.21                | 132.49                  | 2.051             |                    |         |
| 9,800.00                   | 7,070.20            | 9,983.91            | 7,248.95            | 89.17           | 89.23       | 131.11                | 633.58                            | -1,650.04  | 271.89               | 135.28                | 136.61                  | 1.990             |                    |         |
| 9,900.00                   | 7,070.21            | 10,083.91           | 7,249.13            | 91.80           | 91.85       | 131.12                | 633.66                            | -1,750.04  | 272.09               | 131.34                | 140.74                  | 1.933             |                    |         |
| 10,000.00                  | 7,070.21            | 10,183.91           | 7,249.30            | 94.44           | 94.49       | 131.13                | 633.73                            | -1,850.04  | 272.28               | 127.38                | 144.90                  | 1.879             |                    |         |
| 10,100.00                  | 7,070.22            | 10,283.91           | 7,249.48            | 97.10           | 97.13       | 131.14                | 633.81                            | -1,950.04  | 272.47               | 123.41                | 149.07                  | 1.828             |                    |         |
| 10,200.00                  | 7,070.23            | 10,383.91           | 7,249.66            | 99.77           | 99.79       | 131.15                | 633.89                            | -2,050.04  | 272.67               | 119.41                | 153.25                  | 1.779             |                    |         |
| 10,300.00                  | 7,070.24            | 10,483.91           | 7,249.83            | 102.44          | 102.46      | 131.16                | 633.97                            | -2,150.04  | 272.86               | 115.41                | 157.45                  | 1.733             |                    |         |
| 10,400.00                  | 7,070.25            | 10,583.91           | 7,250.01            | 105.13          | 105.14      | 131.17                | 634.04                            | -2,250.04  | 273.06               | 111.39                | 161.67                  | 1.689             |                    |         |
| 10,500.00                  | 7,070.26            | 10,683.91           | 7,250.19            | 107.83          | 107.83      | 131.18                | 634.12                            | -2,350.04  | 273.25               | 107.36                | 165.89                  | 1.647             |                    |         |
| 10,600.00                  | 7,070.27            | 10,783.91           | 7,250.37            | 110.53          | 110.53      | 131.20                | 634.20                            | -2,450.03  | 273.45               | 103.32                | 170.13                  | 1.607             |                    |         |
| 10,700.00                  | 7,070.28            | 10,883.91           | 7,250.54            | 113.24          | 113.24      | 131.21                | 634.28                            | -2,550.03  | 273.64               | 99.27                 | 174.37                  | 1.569             |                    |         |
| 10,800.00                  | 7,070.28            | 10,983.91           | 7,250.72            | 115.96          | 115.95      | 131.22                | 634.35                            | -2,650.03  | 273.84               | 95.21                 | 178.62                  | 1.533             |                    |         |
| 10,900.00                  | 7,070.29            | 11,083.91           | 7,250.90            | 118.69          | 118.67      | 131.23                | 634.43                            | -2,750.03  | 274.03               | 91.14                 | 182.89                  | 1.498 Level 3     |                    |         |
| 11,000.00                  | 7,070.30            | 11,183.91           | 7,251.07            | 121.42          | 121.40      | 131.24                | 634.51                            | -2,850.03  | 274.22               | 87.07                 | 187.15                  | 1.465 Level 3     |                    |         |
| 11,100.00                  | 7,070.31            | 11,283.91           | 7,251.25            | 124.16          | 124.13      | 131.25                | 634.59                            | -2,950.03  | 274.42               | 82.99                 | 191.43                  | 1.434 Level 3     |                    |         |
| 11,200.00                  | 7,070.32            | 11,383.91           | 7,251.43            | 126.90          | 126.87      | 131.26                | 634.66                            | -3,050.03  | 274.61               | 78.90                 | 195.71                  | 1.403 Level 3     |                    |         |
| 11,300.00                  | 7,070.33            | 11,483.91           | 7,251.61            | 129.65          | 129.61      | 131.27                | 634.74                            | -3,150.03  | 274.81               | 74.81                 | 200.00                  | 1.374 Level 3     |                    |         |
| 11,400.00                  | 7,070.34            | 11,583.91           | 7,251.78            | 132.40          | 132.36      | 131.28                | 634.82                            | -3,250.03  | 275.00               | 70.71                 | 204.30                  | 1.346 Level 3     |                    |         |
| 11,500.00                  | 7,070.35            | 11,683.91           | 7,251.96            | 135.16          | 135.11      | 131.30                | 634.90                            | -3,350.03  | 275.20               | 66.60                 | 208.60                  | 1.319 Level 3     |                    |         |
| 11,600.00                  | 7,070.36            | 11,783.91           | 7,252.14            | 137.92          | 137.87      | 131.31                | 634.97                            | -3,450.03  | 275.39               | 62.49                 | 212.90                  | 1.294 Level 3     |                    |         |
| 11,700.00                  | 7,070.36            | 11,883.91           | 7,252.31            | 140.69          | 140.63      | 131.32                | 635.05                            | -3,550.03  | 275.59               | 58.38                 | 217.21                  | 1.269 Level 3     |                    |         |
| 11,800.00                  | 7,070.37            | 11,983.91           | 7,252.49            | 143.46          | 143.40      | 131.33                | 635.13                            | -3,650.03  | 275.78               | 54.26                 | 221.52                  | 1.245 Level 2     |                    |         |
| 11,900.00                  | 7,070.38            | 12,083.91           | 7,252.67            | 146.23          | 146.16      | 131.34                | 635.21                            | -3,750.03  | 275.98               | 50.14                 | 225.84                  | 1.222 Level 2     |                    |         |
| 12,000.00                  | 7,070.39            | 12,183.91           | 7,252.85            | 149.01          | 148.94      | 131.35                | 635.28                            | -3,850.03  | 276.17               | 46.01                 | 230.16                  | 1.200 Level 2     |                    |         |
| 12,100.00                  | 7,070.40            | 12,283.91           | 7,253.02            | 151.79          | 151.71      | 131.36                | 635.36                            | -3,950.03  | 276.36               | 41.89                 | 234.48                  | 1.179 Level 2     |                    |         |
| 12,200.00                  | 7,070.41            | 12,383.91           | 7,253.20            | 154.57          | 154.49      | 131.37                | 635.44                            | -4,050.03  | 276.56               | 37.75                 | 238.81                  | 1.158 Level 2     |                    |         |
| 12,300.00                  | 7,070.42            | 12,483.91           | 7,253.38            | 157.35          | 157.27      | 131.38                | 635.52                            | -4,150.03  | 276.75               | 33.62                 | 243.13                  | 1.138 Level 2     |                    |         |
| 12,400.00                  | 7,070.43            | 12,583.91           | 7,253.55            | 160.14          | 160.06      | 131.39                | 635.59                            | -4,250.03  | 276.95               | 29.48                 | 247.46                  | 1.119 Level 2     |                    |         |
| 12,500.00                  | 7,070.44            | 12,683.91           | 7,253.73            | 162.93          | 162.85      | 131.41                | 635.67                            | -4,350.03  | 277.14               | 25.34                 | 251.80                  | 1.101 Level 2     |                    |         |
| 12,600.00                  | 7,070.44            | 12,783.91           | 7,253.91            | 165.72          | 165.64      | 131.42                | 635.75                            | -4,450.03  | 277.34               | 21.20                 | 256.13                  | 1.083 Level 2     |                    |         |
| 12,700.00                  | 7,070.45            | 12,883.91           | 7,254.09            | 168.52          | 168.43      | 131.43                | 635.83                            | -4,550.03  | 277.53               | 17.06                 | 260.47                  | 1.065 Level 2     |                    |         |
| 12,800.00                  | 7,070.46            | 12,983.91           | 7,254.26            | 171.32          | 171.22      | 131.44                | 635.90                            | -4,650.03  | 277.73               | 12.92                 | 264.81                  | 1.049 Level 2     |                    |         |
| 12,900.00                  | 7,070.47            | 13,083.91           | 7,254.44            | 174.11          | 174.02      | 131.45                | 635.98                            | -4,750.03  | 277.92               | 8.77                  | 269.15                  | 1.033 Level 2     |                    |         |
| 13,000.00                  | 7,070.48            | 13,183.91           | 7,254.62            | 176.92          | 176.82      | 131.46                | 636.06                            | -4,850.03  | 278.12               | 4.62                  | 273.50                  | 1.017 Level 2     |                    |         |
| 13,100.00                  | 7,070.49            | 13,283.91           | 7,254.79            | 179.72          | 179.62      | 131.47                | 636.14                            | -4,950.03  | 278.31               | 0.47                  | 277.84                  | 1.002 Level 2     |                    |         |
| 13,200.00                  | 7,070.50            | 13,383.91           | 7,254.97            | 182.52          | 182.42      | 131.48                | 636.21                            | -5,050.02  | 278.51               | -3.68                 | 282.19                  | 0.987 Level 1     |                    |         |
| 13,300.00                  | 7,070.51            | 13,483.91           | 7,255.15            | 185.33          | 185.22      | 131.49                | 636.29                            | -5,150.02  | 278.70               | -7.83                 | 286.53                  | 0.973 Level 1     |                    |         |
| 13,400.00                  | 7,070.52            | 13,583.91           | 7,255.33            | 188.14          | 188.03      | 131.50                | 636.37                            | -5,250.02  | 278.90               | -11.98                | 290.88                  | 0.959 Level 1     |                    |         |
| 13,500.00                  | 7,070.52            | 13,683.91           | 7,255.50            | 190.95          | 190.84      | 131.51                | 636.45                            | -5,350.02  | 279.09               | -16.14                | 295.23                  | 0.945 Level 1     |                    |         |
| 13,600.00                  | 7,070.53            | 13,783.91           | 7,255.68            | 193.76          | 193.65      | 131.52                | 636.52                            | -5,450.02  | 279.29               | -20.29                | 299.58                  | 0.932 Level 1     |                    |         |
| 13,700.00                  | 7,070.54            | 13,883.91           | 7,255.86            | 196.57          | 196.46      | 131.53                | 636.60                            | -5,550.02  | 279.48               | -24.45                | 303.93                  | 0.920 Level 1     |                    |         |
| 13,800.00                  | 7,070.55            | 13,983.91           | 7,256.03            | 199.38          | 199.27      | 131.55                | 636.68                            | -5,650.02  | 279.67               | -28.61                | 308.28                  | 0.907 Level 1     |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1 |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Site Error:    | 0.00 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|-----------------------------------|--------------------------|--------------------------------------|------------|----------------------|-----------------------|-------------------------|-----------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Well Error:    | 3.28 ft |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Semi Major Axis<br>Reference (ft) | Highside<br>Toolface (°) | Offset Wellbore Centre<br>+N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor     | Warning |
| 13,900.00   | 7,070.56            | 14,083.91           | 7,256.21            | 202.20         | 202.08      | 131.56                            |                          | 636.76                               | -5,750.02  | 279.87               | -32.76                | 312.63                  | 0.895 Level 1         |         |
| 14,000.00   | 7,070.57            | 14,183.91           | 7,256.39            | 205.01         | 204.90      | 131.57                            |                          | 636.83                               | -5,850.02  | 280.06               | -36.92                | 316.99                  | 0.884 Level 1         |         |
| 14,100.00   | 7,070.58            | 14,283.91           | 7,256.57            | 207.83         | 207.71      | 131.58                            |                          | 636.91                               | -5,950.02  | 280.26               | -41.08                | 321.34                  | 0.872 Level 1         |         |
| 14,200.00   | 7,070.59            | 14,383.91           | 7,256.74            | 210.65         | 210.53      | 131.59                            |                          | 636.99                               | -6,050.02  | 280.45               | -45.24                | 325.69                  | 0.861 Level 1         |         |
| 14,300.00   | 7,070.60            | 14,483.91           | 7,256.92            | 213.47         | 213.35      | 131.60                            |                          | 637.07                               | -6,150.02  | 280.65               | -49.40                | 330.05                  | 0.850 Level 1         |         |
| 14,400.00   | 7,070.60            | 14,583.91           | 7,257.10            | 216.29         | 216.17      | 131.61                            |                          | 637.14                               | -6,250.02  | 280.84               | -53.56                | 334.40                  | 0.840 Level 1         |         |
| 14,500.00   | 7,070.61            | 14,683.90           | 7,257.27            | 219.11         | 218.99      | 131.62                            |                          | 637.22                               | -6,350.02  | 281.04               | -57.72                | 338.76                  | 0.830 Level 1         |         |
| 14,600.00   | 7,070.62            | 14,783.90           | 7,257.45            | 221.94         | 221.81      | 131.63                            |                          | 637.30                               | -6,450.02  | 281.23               | -61.88                | 343.11                  | 0.820 Level 1         |         |
| 14,700.00   | 7,070.63            | 14,883.90           | 7,257.63            | 224.76         | 224.63      | 131.64                            |                          | 637.38                               | -6,550.02  | 281.43               | -66.04                | 347.46                  | 0.810 Level 1         |         |
| 14,800.00   | 7,070.64            | 14,983.90           | 7,257.81            | 227.58         | 227.45      | 131.65                            |                          | 637.45                               | -6,650.02  | 281.62               | -70.20                | 351.82                  | 0.800 Level 1         |         |
| 14,900.00   | 7,070.65            | 15,083.90           | 7,257.98            | 230.41         | 230.28      | 131.66                            |                          | 637.53                               | -6,750.02  | 281.82               | -74.36                | 356.18                  | 0.791 Level 1         |         |
| 15,000.00   | 7,070.66            | 15,183.90           | 7,258.16            | 233.24         | 233.10      | 131.67                            |                          | 637.61                               | -6,850.02  | 282.01               | -78.52                | 360.53                  | 0.782 Level 1         |         |
| 15,100.00   | 7,070.67            | 15,283.90           | 7,258.34            | 236.06         | 235.93      | 131.68                            |                          | 637.69                               | -6,950.02  | 282.21               | -82.68                | 364.89                  | 0.773 Level 1         |         |
| 15,200.00   | 7,070.68            | 15,383.90           | 7,258.52            | 238.89         | 238.76      | 131.69                            |                          | 637.76                               | -7,050.02  | 282.40               | -86.84                | 369.24                  | 0.765 Level 1         |         |
| 15,300.00   | 7,070.68            | 15,483.90           | 7,258.69            | 241.72         | 241.58      | 131.70                            |                          | 637.84                               | -7,150.02  | 282.60               | -91.00                | 373.60                  | 0.756 Level 1         |         |
| 15,400.00   | 7,070.69            | 15,583.90           | 7,258.87            | 244.55         | 244.41      | 131.71                            |                          | 637.92                               | -7,250.02  | 282.79               | -95.16                | 377.95                  | 0.748 Level 1         |         |
| 15,500.00   | 7,070.70            | 15,683.90           | 7,259.05            | 247.38         | 247.24      | 131.73                            |                          | 638.00                               | -7,350.02  | 282.99               | -99.32                | 382.31                  | 0.740 Level 1         |         |
| 15,600.00   | 7,070.71            | 15,783.90           | 7,259.22            | 250.21         | 250.07      | 131.74                            |                          | 638.07                               | -7,450.02  | 283.18               | -103.48               | 386.66                  | 0.732 Level 1         |         |
| 15,700.00   | 7,070.72            | 15,883.90           | 7,259.40            | 253.04         | 252.90      | 131.75                            |                          | 638.15                               | -7,550.01  | 283.38               | -107.64               | 391.02                  | 0.725 Level 1         |         |
| 15,800.00   | 7,070.73            | 15,983.90           | 7,259.58            | 255.87         | 255.73      | 131.76                            |                          | 638.23                               | -7,650.01  | 283.57               | -111.80               | 395.37                  | 0.717 Level 1         |         |
| 15,900.00   | 7,070.74            | 16,083.90           | 7,259.76            | 258.71         | 258.56      | 131.77                            |                          | 638.31                               | -7,750.01  | 283.77               | -115.96               | 399.72                  | 0.710 Level 1         |         |
| 16,000.00   | 7,070.75            | 16,183.90           | 7,259.93            | 261.54         | 261.40      | 131.78                            |                          | 638.38                               | -7,850.01  | 283.96               | -120.11               | 404.08                  | 0.703 Level 1         |         |
| 16,100.00   | 7,070.76            | 16,283.90           | 7,260.11            | 264.37         | 264.23      | 131.79                            |                          | 638.46                               | -7,950.01  | 284.16               | -124.27               | 408.43                  | 0.696 Level 1         |         |
| 16,200.00   | 7,070.76            | 16,383.90           | 7,260.29            | 267.21         | 267.06      | 131.80                            |                          | 638.54                               | -8,050.01  | 284.35               | -128.43               | 412.78                  | 0.689 Level 1         |         |
| 16,300.00   | 7,070.77            | 16,483.90           | 7,260.46            | 270.04         | 269.90      | 131.81                            |                          | 638.61                               | -8,150.01  | 284.55               | -132.59               | 417.14                  | 0.682 Level 1         |         |
| 16,400.00   | 7,070.78            | 16,583.90           | 7,260.64            | 272.88         | 272.73      | 131.82                            |                          | 638.69                               | -8,250.01  | 284.74               | -136.75               | 421.49                  | 0.676 Level 1         |         |
| 16,500.00   | 7,070.79            | 16,683.90           | 7,260.82            | 275.71         | 275.57      | 131.83                            |                          | 638.77                               | -8,350.01  | 284.94               | -140.90               | 425.84                  | 0.669 Level 1         |         |
| 16,600.00   | 7,070.80            | 16,783.90           | 7,261.00            | 278.55         | 278.40      | 131.84                            |                          | 638.85                               | -8,450.01  | 285.13               | -145.06               | 430.19                  | 0.663 Level 1         |         |
| 16,700.00   | 7,070.81            | 16,883.90           | 7,261.17            | 281.39         | 281.24      | 131.85                            |                          | 638.92                               | -8,550.01  | 285.33               | -149.21               | 434.54                  | 0.657 Level 1         |         |
| 16,800.00   | 7,070.82            | 16,983.90           | 7,261.35            | 284.22         | 284.07      | 131.86                            |                          | 639.00                               | -8,650.01  | 285.52               | -153.37               | 438.89                  | 0.651 Level 1         |         |
| 16,900.00   | 7,070.83            | 17,083.90           | 7,261.53            | 287.06         | 286.91      | 131.87                            |                          | 639.08                               | -8,750.01  | 285.72               | -157.53               | 443.24                  | 0.645 Level 1         |         |
| 17,000.00   | 7,070.84            | 17,183.90           | 7,261.70            | 289.90         | 289.75      | 131.88                            |                          | 639.16                               | -8,850.01  | 285.91               | -161.68               | 447.59                  | 0.639 Level 1         |         |
| 17,100.00   | 7,070.84            | 17,283.90           | 7,261.88            | 292.74         | 292.59      | 131.89                            |                          | 639.23                               | -8,950.01  | 286.11               | -165.83               | 451.94                  | 0.633 Level 1         |         |
| 17,200.00   | 7,070.85            | 17,383.90           | 7,262.06            | 295.58         | 295.43      | 131.90                            |                          | 639.31                               | -9,050.01  | 286.30               | -169.99               | 456.29                  | 0.627 Level 1         |         |
| 17,300.00   | 7,070.86            | 17,483.90           | 7,262.24            | 298.42         | 298.26      | 131.91                            |                          | 639.39                               | -9,150.01  | 286.50               | -174.14               | 460.64                  | 0.622 Level 1         |         |
| 17,400.00   | 7,070.87            | 17,583.90           | 7,262.41            | 301.26         | 301.10      | 131.92                            |                          | 639.47                               | -9,250.01  | 286.69               | -178.29               | 464.99                  | 0.617 Level 1         |         |
| 17,500.00   | 7,070.88            | 17,683.90           | 7,262.59            | 304.10         | 303.94      | 131.93                            |                          | 639.54                               | -9,350.01  | 286.89               | -182.44               | 469.33                  | 0.611 Level 1         |         |
| 17,600.00   | 7,070.89            | 17,783.90           | 7,262.77            | 306.94         | 306.78      | 131.94                            |                          | 639.62                               | -9,450.01  | 287.08               | -186.60               | 473.68                  | 0.606 Level 1         |         |
| 17,700.00   | 7,070.90            | 17,883.90           | 7,262.94            | 309.78         | 309.62      | 131.95                            |                          | 639.70                               | -9,550.01  | 287.28               | -190.75               | 478.03                  | 0.601 Level 1         |         |
| 17,800.00   | 7,070.91            | 17,983.90           | 7,263.12            | 312.62         | 312.47      | 131.96                            |                          | 639.78                               | -9,650.01  | 287.47               | -194.90               | 482.37                  | 0.596 Level 1         |         |
| 17,900.00   | 7,070.92            | 18,083.90           | 7,263.30            | 315.46         | 315.31      | 131.97                            |                          | 639.85                               | -9,750.01  | 287.67               | -199.05               | 486.72                  | 0.591 Level 1         |         |
| 18,000.00   | 7,070.92            | 18,183.90           | 7,263.48            | 318.31         | 318.15      | 131.98                            |                          | 639.93                               | -9,850.01  | 287.86               | -203.19               | 491.06                  | 0.586 Level 1         |         |
| 18,100.00   | 7,070.93            | 18,283.90           | 7,263.65            | 321.15         | 320.99      | 131.99                            |                          | 640.01                               | -9,950.01  | 288.06               | -207.34               | 495.40                  | 0.581 Level 1         |         |
| 18,200.00   | 7,070.94            | 18,383.90           | 7,263.83            | 323.99         | 323.83      | 132.00                            |                          | 640.09                               | -10,050.01 | 288.26               | -211.49               | 499.75                  | 0.577 Level 1         |         |
| 18,300.00   | 7,070.95            | 18,483.90           | 7,264.01            | 326.83         | 326.67      | 132.01                            |                          | 640.16                               | -10,150.00 | 288.45               | -215.64               | 504.09                  | 0.572 Level 1         |         |
| 18,400.00   | 7,070.96            | 18,583.90           | 7,264.18            | 329.68         | 329.52      | 132.02                            |                          | 640.24                               | -10,250.00 | 288.65               | -219.78               | 508.43                  | 0.568 Level 1         |         |
| 18,500.00   | 7,070.97            | 18,683.90           | 7,264.36            | 332.52         | 332.36      | 132.03                            |                          | 640.32                               | -10,350.00 | 288.84               | -223.93               | 512.77                  | 0.563 Level 1         |         |
| 18,600.00   | 7,070.98            | 18,783.90           | 7,264.54            | 335.36         | 335.20      | 132.04                            |                          | 640.40                               | -10,450.00 | 289.04               | -228.07               | 517.11                  | 0.559 Level 1         |         |
| 18,700.00   | 7,070.99            | 18,883.90           | 7,264.72            | 338.21         | 338.05      | 132.05                            |                          | 640.47                               | -10,550.00 | 289.23               | -232.22               | 521.45                  | 0.555 Level 1         |         |
| 18,800.00   | 7,070.99            | 18,983.90           | 7,264.89            | 341.05         | 340.89      | 132.06                            |                          | 640.55                               | -10,650.00 | 289.43               | -236.36               | 525.79                  | 0.550 Level 1         |         |
| 18,858.54   | 7,071.00            | 19,042.44           | 7,265.00            | 342.72         | 342.56      | 132.07                            |                          | 640.60                               | -10,708.54 | 289.54               | -238.79               | 528.33                  | 0.548 Level 1, ES, SF |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                       | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.36               | -75.05                            | -0.83      | 75.05                |                       |                         |                   |                    |         |
| 100.00                     | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.36               | -75.05                            | -0.83      | 75.05                | 68.48                 | 6.57                    | 11.424            |                    |         |
| 200.00                     | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.36               | -75.05                            | -0.83      | 75.05                | 68.38                 | 6.67                    | 11.245            |                    |         |
| 300.00                     | 300.00              | 300.00              | 300.00              | 3.44            | 3.44        | -179.36               | -75.05                            | -0.83      | 75.05                | 68.16                 | 6.89                    | 10.893 CC, ES     |                    |         |
| 400.00                     | 399.98              | 398.87              | 398.85              | 3.60            | 3.60        | -108.19               | -75.79                            | 0.70       | 76.33                | 69.14                 | 7.20                    | 10.604            |                    |         |
| 500.00                     | 499.84              | 497.65              | 497.49              | 3.80            | 3.79        | 108.32                | -78.03                            | 5.29       | 80.18                | 72.59                 | 7.59                    | 10.559            |                    |         |
| 600.00                     | 599.45              | 596.24              | 595.71              | 4.04            | 4.02        | 108.51                | -81.76                            | 12.92      | 86.58                | 78.51                 | 8.07                    | 10.729            |                    |         |
| 700.00                     | 698.70              | 694.54              | 693.29              | 4.32            | 4.29        | 108.73                | -86.94                            | 23.55      | 95.52                | 86.91                 | 8.62                    | 11.085            |                    |         |
| 800.00                     | 797.47              | 792.46              | 790.03              | 4.63            | 4.59        | 108.92                | -93.56                            | 37.11      | 106.99               | 97.76                 | 9.23                    | 11.593            |                    |         |
| 900.00                     | 895.62              | 889.91              | 885.75              | 4.97            | 4.92        | 109.09                | -101.58                           | 53.56      | 120.96               | 111.06                | 9.90                    | 12.220            |                    |         |
| 924.00                     | 919.08              | 913.22              | 908.55              | 5.06            | 5.00        | 109.12                | -103.71                           | 57.93      | 124.69               | 114.62                | 10.07                   | 12.384            |                    |         |
| 1,000.00                   | 993.28              | 987.77              | 981.27              | 5.34            | 5.28        | 109.20                | -110.89                           | 72.66      | 136.92               | 126.30                | 10.62                   | 12.892            |                    |         |
| 1,100.00                   | 1,090.92            | 1,086.45            | 1,077.51            | 5.73            | 5.68        | 109.23                | -120.47                           | 92.29      | 153.09               | 141.70                | 11.39                   | 13.441            |                    |         |
| 1,200.00                   | 1,188.56            | 1,185.14            | 1,173.74            | 6.15            | 6.09        | 109.25                | -130.05                           | 111.93     | 169.25               | 157.06                | 12.19                   | 13.880            |                    |         |
| 1,300.00                   | 1,286.19            | 1,283.82            | 1,269.98            | 6.57            | 6.52        | 109.28                | -139.62                           | 131.56     | 185.42               | 172.39                | 13.03                   | 14.233            |                    |         |
| 1,400.00                   | 1,383.83            | 1,382.51            | 1,366.22            | 7.01            | 6.96        | 109.29                | -149.20                           | 151.20     | 201.58               | 187.70                | 13.89                   | 14.518            |                    |         |
| 1,500.00                   | 1,481.47            | 1,481.19            | 1,462.45            | 7.46            | 7.41        | 109.31                | -158.78                           | 170.84     | 217.75               | 202.99                | 14.76                   | 14.749            |                    |         |
| 1,600.00                   | 1,579.10            | 1,579.88            | 1,558.69            | 7.91            | 7.87        | 109.32                | -168.35                           | 190.47     | 233.91               | 218.26                | 15.66                   | 14.939            |                    |         |
| 1,700.00                   | 1,676.74            | 1,678.56            | 1,654.93            | 8.37            | 8.34        | 109.33                | -177.93                           | 210.11     | 250.08               | 233.51                | 16.57                   | 15.096            |                    |         |
| 1,800.00                   | 1,774.38            | 1,777.25            | 1,751.16            | 8.84            | 8.81        | 109.34                | -187.51                           | 229.74     | 266.25               | 248.76                | 17.49                   | 15.226            |                    |         |
| 1,900.00                   | 1,872.02            | 1,875.93            | 1,847.40            | 9.31            | 9.29        | 109.35                | -197.08                           | 249.38     | 282.41               | 263.99                | 18.42                   | 15.335            |                    |         |
| 2,000.00                   | 1,969.65            | 1,974.62            | 1,943.63            | 9.79            | 9.77        | 109.36                | -206.66                           | 269.01     | 298.58               | 279.22                | 19.35                   | 15.427            |                    |         |
| 2,100.00                   | 2,067.29            | 2,073.30            | 2,039.87            | 10.27           | 10.26       | 109.37                | -216.24                           | 288.65     | 314.74               | 294.44                | 20.30                   | 15.504            |                    |         |
| 2,200.00                   | 2,164.93            | 2,171.99            | 2,136.11            | 10.75           | 10.74       | 109.37                | -225.81                           | 308.28     | 330.91               | 309.65                | 21.25                   | 15.570            |                    |         |
| 2,300.00                   | 2,262.56            | 2,270.67            | 2,232.34            | 11.24           | 11.24       | 109.38                | -235.39                           | 327.92     | 347.07               | 324.86                | 22.21                   | 15.627            |                    |         |
| 2,400.00                   | 2,360.20            | 2,369.35            | 2,328.58            | 11.73           | 11.73       | 109.38                | -244.97                           | 347.56     | 363.24               | 340.06                | 23.17                   | 15.675            |                    |         |
| 2,500.00                   | 2,457.84            | 2,468.04            | 2,424.82            | 12.22           | 12.23       | 109.39                | -254.55                           | 367.19     | 379.40               | 355.26                | 24.14                   | 15.717            |                    |         |
| 2,600.00                   | 2,555.48            | 2,566.72            | 2,521.05            | 12.71           | 12.73       | 109.39                | -264.12                           | 386.83     | 395.57               | 370.46                | 25.11                   | 15.753            |                    |         |
| 2,700.00                   | 2,653.11            | 2,665.41            | 2,617.29            | 13.20           | 13.23       | 109.40                | -273.70                           | 406.46     | 411.73               | 385.65                | 26.08                   | 15.785            |                    |         |
| 2,800.00                   | 2,750.75            | 2,764.09            | 2,713.52            | 13.70           | 13.73       | 109.40                | -283.28                           | 426.10     | 427.90               | 400.84                | 27.06                   | 15.812            |                    |         |
| 2,900.00                   | 2,848.39            | 2,862.78            | 2,809.76            | 14.19           | 14.23       | 109.40                | -292.85                           | 445.73     | 444.07               | 416.02                | 28.04                   | 15.836            |                    |         |
| 3,000.00                   | 2,946.02            | 2,961.46            | 2,906.00            | 14.69           | 14.74       | 109.41                | -302.43                           | 465.37     | 460.23               | 431.21                | 29.02                   | 15.857            |                    |         |
| 3,100.00                   | 3,043.66            | 3,060.15            | 3,002.23            | 15.19           | 15.24       | 109.41                | -312.01                           | 485.01     | 476.40               | 446.39                | 30.01                   | 15.876            |                    |         |
| 3,200.00                   | 3,141.30            | 3,158.83            | 3,098.47            | 15.69           | 15.75       | 109.41                | -321.58                           | 504.64     | 492.56               | 461.57                | 30.99                   | 15.892            |                    |         |
| 3,300.00                   | 3,238.94            | 3,257.52            | 3,194.70            | 16.19           | 16.25       | 109.42                | -331.16                           | 524.28     | 508.73               | 476.74                | 31.98                   | 15.907            |                    |         |
| 3,400.00                   | 3,336.57            | 3,356.20            | 3,290.94            | 16.69           | 16.76       | 109.42                | -340.74                           | 543.91     | 524.89               | 491.92                | 32.97                   | 15.919            |                    |         |
| 3,500.00                   | 3,434.21            | 3,454.89            | 3,387.18            | 17.19           | 17.27       | 109.42                | -350.31                           | 563.55     | 541.06               | 507.09                | 33.96                   | 15.931            |                    |         |
| 3,600.00                   | 3,531.85            | 3,553.57            | 3,483.41            | 17.69           | 17.78       | 109.42                | -359.89                           | 583.18     | 557.22               | 522.27                | 34.96                   | 15.941            |                    |         |
| 3,700.00                   | 3,629.48            | 3,652.26            | 3,579.65            | 18.20           | 18.29       | 109.42                | -369.47                           | 602.82     | 573.39               | 537.44                | 35.95                   | 15.950            |                    |         |
| 3,800.00                   | 3,727.12            | 3,750.94            | 3,675.89            | 18.70           | 18.80       | 109.43                | -379.05                           | 622.46     | 589.55               | 552.61                | 36.94                   | 15.958            |                    |         |
| 3,900.00                   | 3,824.76            | 3,849.63            | 3,772.12            | 19.21           | 19.31       | 109.43                | -388.62                           | 642.09     | 605.72               | 567.78                | 37.94                   | 15.965            |                    |         |
| 4,000.00                   | 3,922.40            | 3,948.31            | 3,868.36            | 19.71           | 19.82       | 109.43                | -398.20                           | 661.73     | 621.89               | 582.95                | 38.94                   | 15.971            |                    |         |
| 4,100.00                   | 4,020.03            | 4,047.00            | 3,964.59            | 20.21           | 20.34       | 109.43                | -407.78                           | 681.36     | 638.05               | 598.12                | 39.94                   | 15.977            |                    |         |
| 4,200.00                   | 4,117.67            | 4,145.68            | 4,060.83            | 20.72           | 20.85       | 109.43                | -417.35                           | 701.00     | 654.22               | 613.28                | 40.93                   | 15.982            |                    |         |
| 4,300.00                   | 4,215.31            | 4,244.36            | 4,157.07            | 21.23           | 21.36       | 109.43                | -426.93                           | 720.63     | 670.38               | 628.45                | 41.93                   | 15.987            |                    |         |
| 4,400.00                   | 4,312.94            | 4,343.05            | 4,253.30            | 21.73           | 21.87       | 109.44                | -436.51                           | 740.27     | 686.55               | 643.61                | 42.93                   | 15.991            |                    |         |
| 4,500.00                   | 4,410.58            | 4,441.73            | 4,349.54            | 22.24           | 22.39       | 109.44                | -446.08                           | 759.90     | 702.71               | 658.78                | 43.93                   | 15.995            |                    |         |
| 4,600.00                   | 4,508.22            | 4,540.42            | 4,445.77            | 22.75           | 22.90       | 109.44                | -455.66                           | 779.54     | 718.88               | 673.94                | 44.94                   | 15.998            |                    |         |
| 4,700.00                   | 4,605.86            | 4,639.10            | 4,542.01            | 23.25           | 23.42       | 109.44                | -465.24                           | 799.18     | 735.04               | 689.11                | 45.94                   | 16.001            |                    |         |
| 4,800.00                   | 4,703.49            | 4,737.79            | 4,638.25            | 23.76           | 23.93       | 109.44                | -474.82                           | 818.81     | 751.21               | 704.27                | 46.94                   | 16.003            |                    |         |
| 4,900.00                   | 4,801.13            | 4,836.47            | 4,734.48            | 24.27           | 24.45       | 109.44                | -484.39                           | 838.45     | 767.37               | 719.43                | 47.94                   | 16.006            |                    |         |
| 5,000.00                   | 4,898.77            | 4,935.16            | 4,830.72            | 24.77           | 24.96       | 109.44                | -493.97                           | 858.08     | 783.54               | 734.59                | 48.95                   | 16.008            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 5,033.84            | 4,926.96            | 25.28           | 25.48       | 109.44                | -503.55                           | 877.72     | 799.71               | 749.75                | 49.95                   | 16.009            |                    |         |
| 5,200.00                   | 5,094.04            | 5,132.53            | 5,023.19            | 25.79           | 25.99       | 109.45                | -513.12                           | 897.35     | 815.87               | 764.91                | 50.96                   | 16.011            |                    |         |
| 5,300.00                   | 5,191.68            | 5,231.21            | 5,119.43            | 26.30           | 26.51       | 109.45                | -522.70                           | 916.99     | 832.04               | 780.07                | 51.96                   | 16.013            |                    |         |
| 5,400.00                   | 5,289.32            | 5,329.90            | 5,215.66            | 26.81           | 27.02       | 109.45                | -532.28                           | 936.63     | 848.20               | 795.23                | 52.97                   | 16.014            |                    |         |
| 5,500.00                   | 5,386.95            | 5,428.58            | 5,311.90            | 27.32           | 27.54       | 109.45                | -541.85                           | 956.26     | 864.37               | 810.39                | 53.97                   | 16.015            |                    |         |
| 5,600.00                   | 5,484.59            | 5,527.27            | 5,408.14            | 27.83           | 28.05       | 109.45                | -551.43                           | 975.90     | 880.53               | 825.55                | 54.98                   | 16.016            |                    |         |
| 5,700.00                   | 5,582.23            | 5,625.95            | 5,504.37            | 28.33           | 28.57       | 109.45                | -561.01                           | 995.53     | 896.70               | 840.71                | 55.99                   | 16.017            |                    |         |
| 5,800.00                   | 5,679.87            | 5,724.64            | 5,600.61            | 28.84           | 29.09       | 109.45                | -570.58                           | 1,015.17   | 912.86               | 855.87                | 56.99                   | 16.017            |                    |         |
| 5,900.00                   | 5,777.50            | 5,823.32            | 5,696.85            | 29.35           | 29.60       | 109.45                | -580.16                           | 1,034.80   | 929.03               | 871.03                | 58.00                   | 16.018            |                    |         |
| 6,000.00                   | 5,875.14            | 5,922.01            | 5,793.08            | 29.86           | 30.12       | 109.45                | -589.74                           | 1,054.44   | 945.19               | 886.19                | 59.01                   | 16.018            |                    |         |
| 6,100.00                   | 5,972.78            | 6,020.69            | 5,889.32            | 30.37           | 30.64       | 109.45                | -599.32                           | 1,074.08   | 961.36               | 901.35                | 60.01                   | 16.019            |                    |         |
| 6,200.00                   | 6,070.41            | 6,119.37            | 5,985.55            | 30.88           | 31.15       | 109.45                | -608.89                           | 1,093.71   | 977.53               | 916.50                | 61.02                   | 16.019            |                    |         |
| 6,300.00                   | 6,168.05            | 6,218.06            | 6,081.79            | 31.39           | 31.67       | 109.45                | -618.47                           | 1,113.35   | 993.69               | 931.66                | 62.03                   | 16.019            |                    |         |
| 6,400.00                   | 6,265.69            | 6,316.74            | 6,178.03            | 31.90           | 32.19       | 109.46                | -628.05                           | 1,132.98   | 1,009.86             | 946.82                | 63.04                   | 16.020            |                    |         |
| 6,439.09                   | 6,303.85            | 6,355.32            | 6,215.64            | 32.10           | 32.39       | 109.46                | -631.79                           | 1,140.66   | 1,016.17             | 952.74                | 63.43                   | 16.020            |                    |         |
| 6,450.00                   | 6,314.53            | 6,366.09            | 6,226.14            | 32.16           | 32.45       | 111.08                | -632.83                           | 1,142.80   | 1,017.94             | 954.39                | 63.54                   | 16.020            |                    |         |
| 6,500.00                   | 6,363.83            | 6,415.35            | 6,274.19            | 32.39           | 32.70       | 123.07                | -637.62                           | 1,152.60   | 1,025.93             | 961.91                | 64.02                   | 16.025            |                    |         |
| 6,550.00                   | 6,413.58            | 6,464.26            | 6,321.88            | 32.60           | 32.96       | 155.99                | -642.36                           | 1,162.33   | 1,033.80             | 969.33                | 64.47                   | 16.035            |                    |         |
| 6,600.00                   | 6,463.45            | 6,512.52            | 6,368.94            | 32.79           | 33.21       | -143.04               | -647.05                           | 1,171.94   | 1,041.56             | 976.67                | 64.89                   | 16.052            |                    |         |
| 6,650.00                   | 6,513.15            | 6,559.83            | 6,415.08            | 32.97           | 33.46       | -115.59               | -651.64                           | 1,181.35   | 1,049.28             | 984.00                | 65.28                   | 16.073            |                    |         |
| 6,700.00                   | 6,562.37            | 6,605.89            | 6,460.00            | 33.15           | 33.70       | -105.79               | -656.11                           | 1,190.51   | 1,057.06             | 991.40                | 65.67                   | 16.098            |                    |         |
| 6,750.00                   | 6,610.80            | 6,651.02            | 6,504.12            | 33.34           | 33.94       | -101.27               | -660.49                           | 1,198.91   | 1,065.03             | 998.99                | 66.04                   | 16.127            |                    |         |
| 6,800.00                   | 6,658.14            | 6,697.35            | 6,549.88            | 33.53           | 34.15       | -98.82                | -665.03                           | 1,204.48   | 1,073.22             | 1,006.80              | 66.42                   | 16.158            |                    |         |
| 6,850.00                   | 6,704.11            | 6,745.28            | 6,597.51            | 33.74           | 34.35       | -97.37                | -669.74                           | 1,206.72   | 1,081.59             | 1,014.78              | 66.81                   | 16.189            |                    |         |
| 6,900.00                   | 6,748.42            | 6,795.02            | 6,646.97            | 33.97           | 34.52       | -96.50                | -674.62                           | 1,205.22   | 1,090.10             | 1,022.89              | 67.21                   | 16.219            |                    |         |
| 6,950.00                   | 6,790.79            | 6,846.78            | 6,698.17            | 34.21           | 34.69       | -95.98                | -679.65                           | 1,199.55   | 1,098.68             | 1,031.04              | 67.64                   | 16.243            |                    |         |
| 7,000.00                   | 6,830.97            | 6,900.84            | 6,750.95            | 34.48           | 34.86       | -95.72                | -684.81                           | 1,189.19   | 1,107.28             | 1,039.17              | 68.11                   | 16.258            |                    |         |
| 7,050.00                   | 6,868.71            | 6,957.47            | 6,805.10            | 34.77           | 35.05       | -95.63                | -690.09                           | 1,173.56   | 1,115.80             | 1,047.19              | 68.61                   | 16.264            |                    |         |
| 7,100.00                   | 6,903.77            | 7,016.94            | 6,860.25            | 35.09           | 35.25       | -95.69                | -695.45                           | 1,152.00   | 1,124.16             | 1,055.01              | 69.15                   | 16.256            |                    |         |
| 7,150.00                   | 6,935.93            | 7,079.57            | 6,915.90            | 35.44           | 35.49       | -95.85                | -700.82                           | 1,123.82   | 1,132.26             | 1,062.52              | 69.74                   | 16.235            |                    |         |
| 7,200.00                   | 6,965.01            | 7,145.62            | 6,971.30            | 35.83           | 35.77       | -96.10                | -706.14                           | 1,088.30   | 1,139.97             | 1,069.59              | 70.38                   | 16.196            |                    |         |
| 7,250.00                   | 6,990.82            | 7,215.33            | 7,025.46            | 36.26           | 36.10       | -96.41                | -711.31                           | 1,044.78   | 1,147.18             | 1,076.08              | 71.10                   | 16.135            |                    |         |
| 7,300.00                   | 7,013.20            | 7,288.85            | 7,077.10            | 36.72           | 36.51       | -96.75                | -716.19                           | 992.74     | 1,153.73             | 1,081.82              | 71.91                   | 16.044            |                    |         |
| 7,350.00                   | 7,032.02            | 7,366.19            | 7,124.60            | 37.23           | 37.01       | -97.11                | -720.63                           | 931.93     | 1,159.48             | 1,086.62              | 72.85                   | 15.916            |                    |         |
| 7,400.00                   | 7,047.15            | 7,447.19            | 7,166.10            | 37.77           | 37.62       | -97.46                | -724.44                           | 862.54     | 1,164.27             | 1,090.31              | 73.96                   | 15.742            |                    |         |
| 7,450.00                   | 7,058.51            | 7,531.44            | 7,199.61            | 38.34           | 38.38       | -97.77                | -727.43                           | 785.36     | 1,167.96             | 1,092.69              | 75.27                   | 15.516            |                    |         |
| 7,500.00                   | 7,066.02            | 7,618.31            | 7,223.24            | 38.95           | 39.26       | -98.01                | -729.42                           | 701.86     | 1,170.44             | 1,093.64              | 76.80                   | 15.239            |                    |         |
| 7,550.00                   | 7,069.64            | 7,706.89            | 7,235.46            | 39.58           | 40.26       | -98.16                | -730.27                           | 614.21     | 1,171.60             | 1,093.07              | 78.53                   | 14.919            |                    |         |
| 7,571.20                   | 7,070.04            | 7,744.70            | 7,236.97            | 39.85           | 40.71       | -98.19                | -730.27                           | 576.43     | 1,171.68             | 1,092.37              | 79.31                   | 14.773            |                    |         |
| 7,600.00                   | 7,070.00            | 7,775.86            | 7,237.05            | 40.23           | 41.10       | -98.20                | -730.15                           | 545.27     | 1,171.57             | 1,091.48              | 80.09                   | 14.627            |                    |         |
| 7,700.00                   | 7,070.01            | 7,875.86            | 7,237.23            | 41.64           | 42.45       | -98.21                | -729.76                           | 445.27     | 1,171.18             | 1,088.29              | 82.89                   | 14.130            |                    |         |
| 7,800.00                   | 7,070.02            | 7,975.86            | 7,237.42            | 43.20           | 43.94       | -98.22                | -729.37                           | 345.27     | 1,170.78             | 1,084.83              | 85.96                   | 13.621            |                    |         |
| 7,900.00                   | 7,070.03            | 8,075.86            | 7,237.61            | 44.89           | 45.57       | -98.23                | -728.97                           | 245.27     | 1,170.39             | 1,081.11              | 89.28                   | 13.109            |                    |         |
| 8,000.00                   | 7,070.04            | 8,175.86            | 7,237.79            | 46.69           | 47.32       | -98.24                | -728.58                           | 145.28     | 1,170.00             | 1,077.17              | 92.83                   | 12.604            |                    |         |
| 8,100.00                   | 7,070.05            | 8,275.86            | 7,237.98            | 48.60           | 49.18       | -98.26                | -728.19                           | 45.28      | 1,169.60             | 1,073.02              | 96.58                   | 12.110            |                    |         |
| 8,200.00                   | 7,070.05            | 8,375.86            | 7,238.17            | 50.59           | 51.13       | -98.27                | -727.80                           | -54.72     | 1,169.21             | 1,068.69              | 100.52                  | 11.632            |                    |         |
| 8,300.00                   | 7,070.06            | 8,475.86            | 7,238.35            | 52.66           | 53.17       | -98.28                | -727.41                           | -154.72    | 1,168.81             | 1,064.20              | 104.61                  | 11.173            |                    |         |
| 8,400.00                   | 7,070.07            | 8,575.85            | 7,238.54            | 54.81           | 55.28       | -98.29                | -727.02                           | -254.72    | 1,168.42             | 1,059.58              | 108.84                  | 10.735            |                    |         |
| 8,500.00                   | 7,070.08            | 8,675.85            | 7,238.73            | 57.02           | 57.46       | -98.30                | -726.63                           | -354.71    | 1,168.02             | 1,054.82              | 113.20                  | 10.318            |                    |         |
| 8,600.00                   | 7,070.09            | 8,775.85            | 7,238.91            | 59.28           | 59.69       | -98.31                | -726.24                           | -454.71    | 1,167.63             | 1,049.96              | 117.67                  | 9.923             |                    |         |
| 8,700.00                   | 7,070.10            | 8,875.85            | 7,239.10            | 61.60           | 61.98       | -98.32                | -725.85                           | -554.71    | 1,167.24             | 1,044.99              | 122.24                  | 9.549             |                    |         |
| 8,800.00                   | 7,070.11            | 8,975.85            | 7,239.28            | 63.95           | 64.32       | -98.34                | -725.46                           | -654.71    | 1,166.84             | 1,039.94              | 126.90                  | 9.195             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00  | 7,070.12            | 9,075.85            | 7,239.47            | 66.35           | 66.69       | -98.35                | -725.07                           | -754.71    | 1,166.45             | 1,034.81              | 131.64                  | 8.861             |                    |         |
| 9,000.00  | 7,070.13            | 9,175.85            | 7,239.66            | 68.79           | 69.11       | -98.36                | -724.68                           | -854.70    | 1,166.05             | 1,029.61              | 136.44                  | 8.546             |                    |         |
| 9,100.00  | 7,070.13            | 9,275.85            | 7,239.84            | 71.25           | 71.55       | -98.37                | -724.29                           | -954.70    | 1,165.66             | 1,024.34              | 141.31                  | 8.249             |                    |         |
| 9,200.00  | 7,070.14            | 9,375.85            | 7,240.03            | 73.74           | 74.03       | -98.38                | -723.90                           | -1,054.70  | 1,165.26             | 1,019.02              | 146.24                  | 7.968             |                    |         |
| 9,300.00  | 7,070.15            | 9,475.85            | 7,240.22            | 76.26           | 76.54       | -98.39                | -723.51                           | -1,154.70  | 1,164.87             | 1,013.65              | 151.22                  | 7.703             |                    |         |
| 9,400.00  | 7,070.16            | 9,575.84            | 7,240.40            | 78.80           | 79.07       | -98.41                | -723.11                           | -1,254.70  | 1,164.48             | 1,008.23              | 156.25                  | 7.453             |                    |         |
| 9,500.00  | 7,070.17            | 9,675.84            | 7,240.59            | 81.37           | 81.62       | -98.42                | -722.72                           | -1,354.69  | 1,164.08             | 1,002.77              | 161.32                  | 7.216             |                    |         |
| 9,600.00  | 7,070.18            | 9,775.84            | 7,240.77            | 83.95           | 84.19       | -98.43                | -722.33                           | -1,454.69  | 1,163.69             | 997.27                | 166.42                  | 6.992             |                    |         |
| 9,700.00  | 7,070.19            | 9,875.84            | 7,240.96            | 86.55           | 86.78       | -98.44                | -721.94                           | -1,554.69  | 1,163.30             | 991.73                | 171.56                  | 6.781             |                    |         |
| 9,800.00  | 7,070.20            | 9,975.84            | 7,241.15            | 89.17           | 89.38       | -98.45                | -721.55                           | -1,654.69  | 1,162.90             | 986.16                | 176.74                  | 6.580             |                    |         |
| 9,900.00  | 7,070.21            | 10,075.84           | 7,241.33            | 91.80           | 92.00       | -98.47                | -721.16                           | -1,754.69  | 1,162.51             | 980.57                | 181.94                  | 6.390             |                    |         |
| 10,000.00   | 7,070.21            | 10,175.84           | 7,241.52            | 94.44           | 94.64       | -98.48                | -720.77                           | -1,854.68  | 1,162.11             | 974.95                | 187.17                  | 6.209             |                    |         |
| 10,100.00   | 7,070.22            | 10,275.84           | 7,241.71            | 97.10           | 97.29       | -98.49                | -720.38                           | -1,954.68  | 1,161.72             | 969.30                | 192.42                  | 6.037             |                    |         |
| 10,200.00   | 7,070.23            | 10,375.84           | 7,241.89            | 99.77           | 99.95       | -98.50                | -719.99                           | -2,054.68  | 1,161.33             | 963.63                | 197.70                  | 5.874             |                    |         |
| 10,300.00   | 7,070.24            | 10,475.83           | 7,242.08            | 102.44          | 102.62      | -98.51                | -719.60                           | -2,154.68  | 1,160.93             | 957.94                | 202.99                  | 5.719             |                    |         |
| 10,400.00   | 7,070.25            | 10,575.83           | 7,242.26            | 105.13          | 105.30      | -98.52                | -719.21                           | -2,254.68  | 1,160.54             | 952.23                | 208.31                  | 5.571             |                    |         |
| 10,500.00   | 7,070.26            | 10,675.83           | 7,242.45            | 107.83          | 107.99      | -98.54                | -718.82                           | -2,354.67  | 1,160.15             | 946.51                | 213.64                  | 5.430             |                    |         |
| 10,600.00   | 7,070.27            | 10,775.83           | 7,242.64            | 110.53          | 110.69      | -98.55                | -718.43                           | -2,454.67  | 1,159.75             | 940.77                | 218.99                  | 5.296             |                    |         |
| 10,700.00   | 7,070.28            | 10,875.83           | 7,242.82            | 113.24          | 113.39      | -98.56                | -718.04                           | -2,554.67  | 1,159.36             | 935.01                | 224.35                  | 5.168             |                    |         |
| 10,800.00   | 7,070.28            | 10,975.83           | 7,243.01            | 115.96          | 116.11      | -98.57                | -717.65                           | -2,654.67  | 1,158.97             | 929.24                | 229.73                  | 5.045             |                    |         |
| 10,900.00   | 7,070.29            | 11,075.83           | 7,243.20            | 118.69          | 118.83      | -98.58                | -717.25                           | -2,754.67  | 1,158.57             | 923.45                | 235.12                  | 4.928             |                    |         |
| 11,000.00   | 7,070.30            | 11,175.83           | 7,243.38            | 121.42          | 121.56      | -98.59                | -716.86                           | -2,854.66  | 1,158.18             | 917.66                | 240.52                  | 4.815             |                    |         |
| 11,100.00   | 7,070.31            | 11,275.83           | 7,243.57            | 124.16          | 124.29      | -98.61                | -716.47                           | -2,954.66  | 1,157.79             | 911.85                | 245.94                  | 4.708             |                    |         |
| 11,200.00   | 7,070.32            | 11,375.83           | 7,243.75            | 126.90          | 127.03      | -98.62                | -716.08                           | -3,054.66  | 1,157.40             | 906.03                | 251.36                  | 4.604             |                    |         |
| 11,300.00   | 7,070.33            | 11,475.82           | 7,243.94            | 129.65          | 129.77      | -98.63                | -715.69                           | -3,154.66  | 1,157.00             | 900.21                | 256.80                  | 4.506             |                    |         |
| 11,400.00   | 7,070.34            | 11,575.82           | 7,244.13            | 132.40          | 132.52      | -98.64                | -715.30                           | -3,254.66  | 1,156.61             | 894.37                | 262.24                  | 4.410             |                    |         |
| 11,500.00   | 7,070.35            | 11,675.82           | 7,244.31            | 135.16          | 135.28      | -98.65                | -714.91                           | -3,354.65  | 1,156.22             | 888.52                | 267.69                  | 4.319             |                    |         |
| 11,600.00   | 7,070.36            | 11,775.82           | 7,244.50            | 137.92          | 138.04      | -98.67                | -714.52                           | -3,454.65  | 1,155.82             | 882.67                | 273.15                  | 4.231             |                    |         |
| 11,700.00   | 7,070.36            | 11,875.82           | 7,244.69            | 140.69          | 140.80      | -98.68                | -714.13                           | -3,554.65  | 1,155.43             | 876.81                | 278.62                  | 4.147             |                    |         |
| 11,800.00   | 7,070.37            | 11,975.82           | 7,244.87            | 143.46          | 143.57      | -98.69                | -713.74                           | -3,654.65  | 1,155.04             | 870.94                | 284.10                  | 4.066             |                    |         |
| 11,900.00   | 7,070.38            | 12,075.82           | 7,245.06            | 146.23          | 146.34      | -98.70                | -713.35                           | -3,754.65  | 1,154.65             | 865.07                | 289.58                  | 3.987             |                    |         |
| 12,000.00   | 7,070.39            | 12,175.82           | 7,245.25            | 149.01          | 149.11      | -98.71                | -712.96                           | -3,854.64  | 1,154.25             | 859.19                | 295.07                  | 3.912             |                    |         |
| 12,100.00   | 7,070.40            | 12,275.82           | 7,245.43            | 151.79          | 151.89      | -98.73                | -712.57                           | -3,954.64  | 1,153.86             | 853.30                | 300.56                  | 3.839             |                    |         |
| 12,200.00   | 7,070.41            | 12,375.81           | 7,245.62            | 154.57          | 154.67      | -98.74                | -712.18                           | -4,054.64  | 1,153.47             | 847.41                | 306.06                  | 3.769             |                    |         |
| 12,300.00   | 7,070.42            | 12,475.81           | 7,245.80            | 157.35          | 157.45      | -98.75                | -711.79                           | -4,154.64  | 1,153.08             | 841.51                | 311.57                  | 3.701             |                    |         |
| 12,400.00   | 7,070.43            | 12,575.81           | 7,245.99            | 160.14          | 160.24      | -98.76                | -711.39                           | -4,254.64  | 1,152.68             | 835.61                | 317.08                  | 3.635             |                    |         |
| 12,500.00   | 7,070.44            | 12,675.81           | 7,246.18            | 162.93          | 163.02      | -98.77                | -711.00                           | -4,354.63  | 1,152.29             | 829.70                | 322.59                  | 3.572             |                    |         |
| 12,600.00   | 7,070.44            | 12,775.81           | 7,246.36            | 165.72          | 165.81      | -98.78                | -710.61                           | -4,454.63  | 1,151.90             | 823.79                | 328.11                  | 3.511             |                    |         |
| 12,700.00   | 7,070.45            | 12,875.81           | 7,246.55            | 168.52          | 168.61      | -98.80                | -710.22                           | -4,554.63  | 1,151.51             | 817.87                | 333.63                  | 3.451             |                    |         |
| 12,800.00   | 7,070.46            | 12,975.81           | 7,246.74            | 171.32          | 171.40      | -98.81                | -709.83                           | -4,654.63  | 1,151.11             | 811.95                | 339.16                  | 3.394             |                    |         |
| 12,900.00   | 7,070.47            | 13,075.81           | 7,246.92            | 174.11          | 174.20      | -98.82                | -709.44                           | -4,754.63  | 1,150.72             | 806.03                | 344.69                  | 3.338             |                    |         |
| 13,000.00   | 7,070.48            | 13,175.81           | 7,247.11            | 176.92          | 177.00      | -98.83                | -709.05                           | -4,854.62  | 1,150.33             | 800.10                | 350.23                  | 3.285             |                    |         |
| 13,100.00   | 7,070.49            | 13,275.81           | 7,247.29            | 179.72          | 179.80      | -98.84                | -708.66                           | -4,954.62  | 1,149.94             | 794.17                | 355.77                  | 3.232             |                    |         |
| 13,200.00   | 7,070.50            | 13,375.80           | 7,247.48            | 182.52          | 182.60      | -98.86                | -708.27                           | -5,054.62  | 1,149.55             | 788.24                | 361.31                  | 3.182             |                    |         |
| 13,300.00   | 7,070.51            | 13,475.80           | 7,247.67            | 185.33          | 185.41      | -98.87                | -707.88                           | -5,154.62  | 1,149.15             | 782.30                | 366.85                  | 3.132             |                    |         |
| 13,400.00   | 7,070.52            | 13,575.80           | 7,247.85            | 188.14          | 188.22      | -98.88                | -707.49                           | -5,254.62  | 1,148.76             | 776.36                | 372.40                  | 3.085             |                    |         |
| 13,500.00   | 7,070.52            | 13,675.80           | 7,248.04            | 190.95          | 191.03      | -98.89                | -707.10                           | -5,354.61  | 1,148.37             | 770.42                | 377.95                  | 3.038             |                    |         |
| 13,600.00   | 7,070.53            | 13,775.80           | 7,248.23            | 193.76          | 193.84      | -98.90                | -706.71                           | -5,454.61  | 1,147.98             | 764.47                | 383.50                  | 2.993             |                    |         |
| 13,700.00   | 7,070.54            | 13,875.80           | 7,248.41            | 196.57          | 196.65      | -98.92                | -706.32                           | -5,554.61  | 1,147.59             | 758.53                | 389.06                  | 2.950             |                    |         |
| 13,800.00   | 7,070.55            | 13,975.80           | 7,248.60            | 199.38          | 199.46      | -98.93                | -705.92                           | -5,654.61  | 1,147.19             | 752.58                | 394.62                  | 2.907             |                    |         |
| 13,900.00   | 7,070.56            | 14,075.80           | 7,248.78            | 202.20          | 202.27      | -98.94                | -705.53                           | -5,754.61  | 1,146.80             | 746.62                | 400.18                  | 2.866             |                    |         |
| 14,000.00   | 7,070.57            | 14,175.80           | 7,248.97            | 205.01          | 205.09      | -98.95                | -705.14                           | -5,854.60  | 1,146.41             | 740.67                | 405.74                  | 2.825             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00   | 7,070.58            | 14,275.79           | 7,249.16            | 207.83          | 207.91      | -98.96                | -704.75                           | -5,954.60  | 1,146.02             | 734.72                | 411.30                  | 2.786             |                    |         |
| 14,200.00   | 7,070.59            | 14,375.79           | 7,249.34            | 210.65          | 210.72      | -98.98                | -704.36                           | -6,054.60  | 1,145.63             | 728.76                | 416.87                  | 2.748             |                    |         |
| 14,300.00   | 7,070.60            | 14,475.79           | 7,249.53            | 213.47          | 213.54      | -98.99                | -703.97                           | -6,154.60  | 1,145.24             | 722.80                | 422.44                  | 2.711             |                    |         |
| 14,400.00   | 7,070.60            | 14,575.79           | 7,249.72            | 216.29          | 216.36      | -99.00                | -703.58                           | -6,254.60  | 1,144.85             | 716.84                | 428.01                  | 2.675             |                    |         |
| 14,500.00   | 7,070.61            | 14,675.79           | 7,249.90            | 219.11          | 219.18      | -99.01                | -703.19                           | -6,354.59  | 1,144.45             | 710.87                | 433.58                  | 2.640             |                    |         |
| 14,600.00   | 7,070.62            | 14,775.79           | 7,250.09            | 221.94          | 222.01      | -99.03                | -702.80                           | -6,454.59  | 1,144.06             | 704.91                | 439.15                  | 2.605             |                    |         |
| 14,700.00   | 7,070.63            | 14,875.79           | 7,250.28            | 224.76          | 224.83      | -99.04                | -702.41                           | -6,554.59  | 1,143.67             | 698.94                | 444.73                  | 2.572             |                    |         |
| 14,800.00   | 7,070.64            | 14,975.79           | 7,250.46            | 227.58          | 227.65      | -99.05                | -702.02                           | -6,654.59  | 1,143.28             | 692.97                | 450.31                  | 2.539             |                    |         |
| 14,900.00   | 7,070.65            | 15,075.79           | 7,250.65            | 230.41          | 230.48      | -99.06                | -701.63                           | -6,754.59  | 1,142.89             | 687.01                | 455.88                  | 2.507             |                    |         |
| 15,000.00   | 7,070.66            | 15,175.79           | 7,250.83            | 233.24          | 233.31      | -99.07                | -701.24                           | -6,854.59  | 1,142.50             | 681.04                | 461.46                  | 2.476             |                    |         |
| 15,100.00   | 7,070.67            | 15,275.78           | 7,251.02            | 236.06          | 236.13      | -99.09                | -700.85                           | -6,954.58  | 1,142.11             | 675.06                | 467.04                  | 2.445             |                    |         |
| 15,200.00   | 7,070.68            | 15,375.78           | 7,251.21            | 238.89          | 238.96      | -99.10                | -700.46                           | -7,054.58  | 1,141.72             | 669.09                | 472.62                  | 2.416             |                    |         |
| 15,300.00   | 7,070.68            | 15,475.78           | 7,251.39            | 241.72          | 241.79      | -99.11                | -700.06                           | -7,154.58  | 1,141.32             | 663.12                | 478.21                  | 2.387             |                    |         |
| 15,400.00   | 7,070.69            | 15,575.78           | 7,251.58            | 244.55          | 244.62      | -99.12                | -699.67                           | -7,254.58  | 1,140.93             | 657.14                | 483.79                  | 2.358             |                    |         |
| 15,500.00   | 7,070.70            | 15,675.78           | 7,251.77            | 247.38          | 247.45      | -99.13                | -699.28                           | -7,354.58  | 1,140.54             | 651.17                | 489.38                  | 2.331             |                    |         |
| 15,600.00   | 7,070.71            | 15,775.78           | 7,251.95            | 250.21          | 250.28      | -99.15                | -698.89                           | -7,454.57  | 1,140.15             | 645.19                | 494.96                  | 2.304             |                    |         |
| 15,700.00   | 7,070.72            | 15,875.78           | 7,252.14            | 253.04          | 253.11      | -99.16                | -698.50                           | -7,554.57  | 1,139.76             | 639.21                | 500.55                  | 2.277             |                    |         |
| 15,800.00   | 7,070.73            | 15,975.78           | 7,252.32            | 255.87          | 255.94      | -99.17                | -698.11                           | -7,654.57  | 1,139.37             | 633.23                | 506.14                  | 2.251             |                    |         |
| 15,900.00   | 7,070.74            | 16,075.78           | 7,252.51            | 258.71          | 258.78      | -99.18                | -697.72                           | -7,754.57  | 1,138.98             | 627.25                | 511.73                  | 2.226             |                    |         |
| 16,000.00   | 7,070.75            | 16,175.77           | 7,252.70            | 261.54          | 261.61      | -99.20                | -697.33                           | -7,854.57  | 1,138.59             | 621.27                | 517.32                  | 2.201             |                    |         |
| 16,100.00   | 7,070.76            | 16,275.77           | 7,252.88            | 264.37          | 264.44      | -99.21                | -696.94                           | -7,954.56  | 1,138.20             | 615.29                | 522.91                  | 2.177             |                    |         |
| 16,200.00   | 7,070.76            | 16,375.77           | 7,253.07            | 267.21          | 267.28      | -99.22                | -696.55                           | -8,054.56  | 1,137.81             | 609.31                | 528.50                  | 2.153             |                    |         |
| 16,300.00   | 7,070.77            | 16,475.77           | 7,253.26            | 270.04          | 270.11      | -99.23                | -696.16                           | -8,154.56  | 1,137.42             | 603.33                | 534.09                  | 2.130             |                    |         |
| 16,400.00   | 7,070.78            | 16,575.77           | 7,253.44            | 272.88          | 272.95      | -99.24                | -695.77                           | -8,254.56  | 1,137.03             | 597.35                | 539.68                  | 2.107             |                    |         |
| 16,500.00   | 7,070.79            | 16,675.77           | 7,253.63            | 275.71          | 275.78      | -99.26                | -695.38                           | -8,354.56  | 1,136.64             | 591.36                | 545.27                  | 2.085             |                    |         |
| 16,600.00   | 7,070.80            | 16,775.77           | 7,253.81            | 278.55          | 278.62      | -99.27                | -694.99                           | -8,454.55  | 1,136.25             | 585.38                | 550.87                  | 2.063             |                    |         |
| 16,700.00   | 7,070.81            | 16,875.77           | 7,254.00            | 281.39          | 281.46      | -99.28                | -694.60                           | -8,554.55  | 1,135.86             | 579.39                | 556.46                  | 2.041             |                    |         |
| 16,800.00   | 7,070.82            | 16,975.77           | 7,254.19            | 284.22          | 284.30      | -99.29                | -694.20                           | -8,654.55  | 1,135.47             | 573.41                | 562.06                  | 2.020             |                    |         |
| 16,900.00   | 7,070.83            | 17,075.77           | 7,254.37            | 287.06          | 287.13      | -99.31                | -693.81                           | -8,754.55  | 1,135.08             | 567.42                | 567.65                  | 2.000             |                    |         |
| 17,000.00   | 7,070.84            | 17,175.76           | 7,254.56            | 289.90          | 289.97      | -99.32                | -693.42                           | -8,854.55  | 1,134.69             | 561.44                | 573.25                  | 1.979             |                    |         |
| 17,100.00   | 7,070.84            | 17,275.76           | 7,254.75            | 292.74          | 292.81      | -99.33                | -693.03                           | -8,954.54  | 1,134.30             | 555.45                | 578.84                  | 1.960             |                    |         |
| 17,200.00   | 7,070.85            | 17,375.76           | 7,254.93            | 295.58          | 295.65      | -99.34                | -692.64                           | -9,054.54  | 1,133.91             | 549.47                | 584.44                  | 1.940             |                    |         |
| 17,300.00   | 7,070.86            | 17,475.76           | 7,255.12            | 298.42          | 298.49      | -99.36                | -692.25                           | -9,154.54  | 1,133.52             | 543.48                | 590.04                  | 1.921             |                    |         |
| 17,400.00   | 7,070.87            | 17,575.76           | 7,255.31            | 301.26          | 301.33      | -99.37                | -691.86                           | -9,254.54  | 1,133.13             | 537.49                | 595.64                  | 1.902             |                    |         |
| 17,500.00   | 7,070.88            | 17,675.76           | 7,255.49            | 304.10          | 304.17      | -99.38                | -691.47                           | -9,354.54  | 1,132.74             | 531.50                | 601.23                  | 1.884             |                    |         |
| 17,600.00   | 7,070.89            | 17,775.76           | 7,255.68            | 306.94          | 307.01      | -99.39                | -691.08                           | -9,454.53  | 1,132.35             | 525.51                | 606.83                  | 1.866             |                    |         |
| 17,700.00   | 7,070.90            | 17,875.76           | 7,255.86            | 309.78          | 309.85      | -99.40                | -690.69                           | -9,554.53  | 1,131.96             | 519.53                | 612.43                  | 1.848             |                    |         |
| 17,800.00   | 7,070.91            | 17,975.76           | 7,256.05            | 312.62          | 312.70      | -99.42                | -690.30                           | -9,654.53  | 1,131.57             | 513.54                | 618.03                  | 1.831             |                    |         |
| 17,900.00   | 7,070.92            | 18,075.75           | 7,256.24            | 315.46          | 315.54      | -99.43                | -689.91                           | -9,754.53  | 1,131.18             | 507.55                | 623.63                  | 1.814             |                    |         |
| 18,000.00   | 7,070.92            | 18,175.75           | 7,256.42            | 318.31          | 318.38      | -99.44                | -689.52                           | -9,854.53  | 1,130.79             | 501.56                | 629.23                  | 1.797             |                    |         |
| 18,100.00   | 7,070.93            | 18,275.75           | 7,256.61            | 321.15          | 321.22      | -99.45                | -689.13                           | -9,954.52  | 1,130.40             | 495.57                | 634.83                  | 1.781             |                    |         |
| 18,200.00   | 7,070.94            | 18,375.75           | 7,256.80            | 323.99          | 324.07      | -99.47                | -688.74                           | -10,054.52 | 1,130.01             | 489.58                | 640.43                  | 1.764             |                    |         |
| 18,300.00   | 7,070.95            | 18,475.75           | 7,256.98            | 326.83          | 326.91      | -99.48                | -688.34                           | -10,154.52 | 1,129.62             | 483.59                | 646.03                  | 1.749             |                    |         |
| 18,400.00   | 7,070.96            | 18,575.75           | 7,257.17            | 329.68          | 329.75      | -99.49                | -687.95                           | -10,254.52 | 1,129.23             | 477.60                | 651.63                  | 1.733             |                    |         |
| 18,500.00   | 7,070.97            | 18,675.75           | 7,257.35            | 332.52          | 332.60      | -99.50                | -687.56                           | -10,354.52 | 1,128.84             | 471.61                | 657.23                  | 1.718             |                    |         |
| 18,600.00   | 7,070.98            | 18,775.75           | 7,257.54            | 335.36          | 335.44      | -99.52                | -687.17                           | -10,454.51 | 1,128.45             | 465.62                | 662.83                  | 1.702             |                    |         |
| 18,700.00   | 7,070.99            | 18,875.75           | 7,257.73            | 338.21          | 338.29      | -99.53                | -686.78                           | -10,554.51 | 1,128.06             | 459.63                | 668.43                  | 1.688             |                    |         |
| 18,800.00   | 7,070.99            | 18,975.75           | 7,257.91            | 341.05          | 341.13      | -99.54                | -686.39                           | -10,654.51 | 1,127.67             | 453.64                | 674.03                  | 1.673             |                    |         |
| 18,851.07   | 7,071.00            | 19,022.43           | 7,258.00            | 342.50          | 342.46      | -99.55                | -686.21                           | -10,701.19 | 1,127.48             | 450.72                | 676.76                  | 1.666             |                    |         |
| 18,858.54   | 7,071.00            | 19,022.43           | 7,258.00            | 342.72          | 342.46      | -99.55                | -686.21                           | -10,701.19 | 1,127.51             | 450.57                | 676.94                  | 1.666 SF          |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00   | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.47               | -60.11                            | -0.56      | 60.11                |                       |                         |                   |                    |         |
| 100.00   | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.47               | -60.11                            | -0.56      | 60.11                | 53.54                 | 6.57                    | 9.150             |                    |         |
| 200.00   | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.47               | -60.11                            | -0.56      | 60.11                | 53.43                 | 6.67                    | 9.006 CC, ES      |                    |         |
| 300.00   | 300.00              | 299.62              | 299.60              | 3.44            | 3.44        | 178.91                | -60.41                            | 1.15       | 60.42                | 53.53                 | 6.89                    | 8.773             |                    |         |
| 400.00   | 399.98              | 399.08              | 398.92              | 3.60            | 3.60        | 103.21                | -61.31                            | 6.25       | 62.01                | 54.81                 | 7.20                    | 8.616             |                    |         |
| 500.00   | 499.84              | 498.37              | 497.83              | 3.80            | 3.80        | 100.26                | -62.80                            | 14.73      | 65.43                | 57.83                 | 7.60                    | 8.609             |                    |         |
| 600.00   | 599.45              | 597.45              | 596.17              | 4.04            | 4.04        | 97.73                 | -64.89                            | 26.55      | 70.64                | 62.55                 | 8.09                    | 8.734             |                    |         |
| 700.00   | 698.70              | 696.27              | 693.80              | 4.32            | 4.32        | 95.70                 | -67.55                            | 41.67      | 77.57                | 68.92                 | 8.65                    | 8.969             |                    |         |
| 800.00   | 797.47              | 812.28              | 790.46              | 4.63            | 4.70        | 94.18                 | -70.79                            | 60.00      | 86.17                | 76.83                 | 9.34                    | 9.228             |                    |         |
| 900.00   | 895.62              | 894.24              | 887.78              | 4.97            | 5.00        | 93.84                 | -74.40                            | 80.50      | 95.84                | 85.87                 | 9.97                    | 9.617             |                    |         |
| 924.00   | 919.08              | 918.12              | 911.13              | 5.06            | 5.09        | 94.07                 | -75.27                            | 85.42      | 98.19                | 88.05                 | 10.14                   | 9.685             |                    |         |
| 1,000.00   | 993.28              | 1,006.27            | 985.07              | 5.34            | 5.43        | 95.03                 | -78.01                            | 100.99     | 105.69               | 94.94                 | 10.75                   | 9.828             |                    |         |
| 1,100.00   | 1,090.92            | 1,106.78            | 1,082.36            | 5.73            | 5.84        | 96.10                 | -81.62                            | 121.48     | 115.60               | 104.05                | 11.55                   | 10.012            |                    |         |
| 1,200.00   | 1,188.56            | 1,192.71            | 1,179.65            | 6.15            | 6.20        | 97.00                 | -85.24                            | 141.96     | 125.54               | 113.23                | 12.31                   | 10.197            |                    |         |
| 1,300.00   | 1,286.19            | 1,307.81            | 1,276.94            | 6.57            | 6.70        | 97.77                 | -88.85                            | 162.45     | 135.50               | 122.28                | 13.23                   | 10.245            |                    |         |
| 1,400.00   | 1,383.83            | 1,391.68            | 1,374.22            | 7.01            | 7.08        | 98.44                 | -92.46                            | 182.94     | 145.49               | 131.46                | 14.03                   | 10.370            |                    |         |
| 1,500.00   | 1,481.47            | 1,508.83            | 1,471.51            | 7.46            | 7.61        | 99.02                 | -96.07                            | 203.42     | 155.49               | 140.49                | 15.00                   | 10.366            |                    |         |
| 1,600.00   | 1,579.10            | 1,609.35            | 1,568.80            | 7.91            | 8.08        | 99.53                 | -99.69                            | 223.91     | 165.51               | 149.60                | 15.91                   | 10.401            |                    |         |
| 1,700.00   | 1,676.74            | 1,709.86            | 1,666.09            | 8.37            | 8.55        | 99.98                 | -103.30                           | 244.40     | 175.54               | 158.70                | 16.84                   | 10.425            |                    |         |
| 1,800.00   | 1,774.38            | 1,789.63            | 1,763.37            | 8.84            | 8.93        | 100.38                | -106.91                           | 264.89     | 185.58               | 167.90                | 17.68                   | 10.498            |                    |         |
| 1,900.00   | 1,872.02            | 1,889.11            | 1,860.66            | 9.31            | 9.40        | 100.74                | -110.52                           | 285.37     | 195.62               | 177.01                | 18.62                   | 10.508            |                    |         |
| 2,000.00   | 1,969.65            | 1,988.60            | 1,957.95            | 9.79            | 9.88        | 101.07                | -114.14                           | 305.86     | 205.68               | 186.11                | 19.57                   | 10.512            |                    |         |
| 2,100.00   | 2,067.29            | 2,088.09            | 2,055.24            | 10.27           | 10.36       | 101.36                | -117.75                           | 326.35     | 215.74               | 195.22                | 20.52                   | 10.513            |                    |         |
| 2,200.00   | 2,164.93            | 2,187.57            | 2,152.52            | 10.75           | 10.85       | 101.63                | -121.36                           | 346.84     | 225.80               | 204.32                | 21.48                   | 10.512            |                    |         |
| 2,300.00   | 2,262.56            | 2,287.06            | 2,249.81            | 11.24           | 11.34       | 101.88                | -124.97                           | 367.32     | 235.87               | 213.42                | 22.45                   | 10.508            |                    |         |
| 2,400.00   | 2,360.20            | 2,386.55            | 2,347.10            | 11.73           | 11.83       | 102.11                | -128.59                           | 387.81     | 245.94               | 222.53                | 23.42                   | 10.502            |                    |         |
| 2,500.00   | 2,457.84            | 2,486.03            | 2,444.39            | 12.22           | 12.32       | 102.31                | -132.20                           | 408.30     | 256.02               | 231.63                | 24.39                   | 10.496            |                    |         |
| 2,600.00   | 2,555.48            | 2,585.52            | 2,541.67            | 12.71           | 12.81       | 102.51                | -135.81                           | 428.79     | 266.10               | 240.73                | 25.37                   | 10.488            |                    |         |
| 2,700.00   | 2,653.11            | 2,685.01            | 2,638.96            | 13.20           | 13.31       | 102.68                | -139.42                           | 449.27     | 276.18               | 249.83                | 26.35                   | 10.480            |                    |         |
| 2,800.00   | 2,750.75            | 2,784.50            | 2,736.25            | 13.70           | 13.80       | 102.85                | -143.04                           | 469.76     | 286.27               | 258.93                | 27.34                   | 10.472            |                    |         |
| 2,900.00   | 2,848.39            | 2,883.98            | 2,833.54            | 14.19           | 14.30       | 103.00                | -146.65                           | 490.25     | 296.36               | 268.03                | 28.32                   | 10.463            |                    |         |
| 3,000.00   | 2,946.02            | 2,983.47            | 2,930.82            | 14.69           | 14.80       | 103.15                | -150.26                           | 510.73     | 306.44               | 277.13                | 29.31                   | 10.454            |                    |         |
| 3,100.00   | 3,043.66            | 3,082.96            | 3,028.11            | 15.19           | 15.30       | 103.28                | -153.87                           | 531.22     | 316.54               | 286.23                | 30.30                   | 10.445            |                    |         |
| 3,200.00   | 3,141.30            | 3,182.44            | 3,125.40            | 15.69           | 15.80       | 103.41                | -157.49                           | 551.71     | 326.63               | 295.33                | 31.30                   | 10.436            |                    |         |
| 3,300.00   | 3,238.94            | 3,281.93            | 3,222.69            | 16.19           | 16.30       | 103.53                | -161.10                           | 572.20     | 336.72               | 304.43                | 32.29                   | 10.428            |                    |         |
| 3,400.00   | 3,336.57            | 3,381.42            | 3,319.97            | 16.69           | 16.80       | 103.64                | -164.71                           | 592.68     | 346.82               | 313.53                | 33.29                   | 10.419            |                    |         |
| 3,500.00   | 3,434.21            | 3,480.90            | 3,417.26            | 17.19           | 17.30       | 103.75                | -168.32                           | 613.17     | 356.91               | 322.63                | 34.29                   | 10.410            |                    |         |
| 3,600.00   | 3,531.85            | 3,580.39            | 3,514.55            | 17.69           | 17.80       | 103.85                | -171.94                           | 633.66     | 367.01               | 331.73                | 35.28                   | 10.402            |                    |         |
| 3,700.00   | 3,629.48            | 3,679.88            | 3,611.84            | 18.20           | 18.31       | 103.94                | -175.55                           | 654.15     | 377.11               | 340.83                | 36.28                   | 10.393            |                    |         |
| 3,800.00   | 3,727.12            | 3,779.36            | 3,709.12            | 18.70           | 18.81       | 104.03                | -179.16                           | 674.63     | 387.21               | 349.93                | 37.28                   | 10.385            |                    |         |
| 3,900.00   | 3,824.76            | 3,878.85            | 3,806.41            | 19.21           | 19.32       | 104.12                | -182.77                           | 695.12     | 397.31               | 359.03                | 38.29                   | 10.377            |                    |         |
| 4,000.00   | 3,922.40            | 3,978.34            | 3,903.70            | 19.71           | 19.82       | 104.20                | -186.39                           | 715.61     | 407.41               | 368.12                | 39.29                   | 10.369            |                    |         |
| 4,100.00   | 4,020.03            | 4,077.82            | 4,000.99            | 20.21           | 20.33       | 104.28                | -190.00                           | 736.09     | 417.52               | 377.22                | 40.29                   | 10.362            |                    |         |
| 4,200.00   | 4,117.67            | 4,177.31            | 4,098.27            | 20.72           | 20.83       | 104.35                | -193.61                           | 756.58     | 427.62               | 386.32                | 41.30                   | 10.354            |                    |         |
| 4,300.00   | 4,215.31            | 4,276.80            | 4,195.56            | 21.23           | 21.34       | 104.42                | -197.22                           | 777.07     | 437.72               | 395.42                | 42.30                   | 10.347            |                    |         |
| 4,400.00   | 4,312.94            | 4,376.29            | 4,292.85            | 21.73           | 21.85       | 104.49                | -200.84                           | 797.56     | 447.83               | 404.52                | 43.31                   | 10.340            |                    |         |
| 4,500.00   | 4,410.58            | 4,475.77            | 4,390.14            | 22.24           | 22.35       | 104.55                | -204.45                           | 818.04     | 457.93               | 413.62                | 44.32                   | 10.333            |                    |         |
| 4,600.00   | 4,508.22            | 4,575.26            | 4,487.42            | 22.75           | 22.86       | 104.61                | -208.06                           | 838.53     | 468.04               | 422.72                | 45.32                   | 10.327            |                    |         |
| 4,700.00   | 4,605.86            | 4,674.75            | 4,584.71            | 23.25           | 23.37       | 104.67                | -211.67                           | 859.02     | 478.14               | 431.81                | 46.33                   | 10.320            |                    |         |
| 4,800.00   | 4,703.49            | 4,774.23            | 4,682.00            | 23.76           | 23.87       | 104.73                | -215.29                           | 879.51     | 488.25               | 440.91                | 47.34                   | 10.314            |                    |         |
| 4,900.00   | 4,801.13            | 4,873.72            | 4,779.29            | 24.27           | 24.38       | 104.78                | -218.90                           | 899.99     | 498.36               | 450.01                | 48.35                   | 10.308            |                    |         |
| 5,000.00   | 4,898.77            | 4,973.21            | 4,876.57            | 24.77           | 24.89       | 104.83                | -222.51                           | 920.48     | 508.47               | 459.11                | 49.36                   | 10.302            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 5,072.69            | 4,973.86            | 25.28           | 25.40       | 104.88                | -226.12                           | 940.97     | 518.57               | 468.21                | 50.37                   | 10.296            |                    |         |
| 5,200.00                   | 5,094.04            | 5,172.18            | 5,071.15            | 25.79           | 25.91       | 104.93                | -229.74                           | 961.46     | 528.68               | 477.30                | 51.38                   | 10.290            |                    |         |
| 5,300.00                   | 5,191.68            | 5,271.67            | 5,168.44            | 26.30           | 26.41       | 104.98                | -233.35                           | 981.94     | 538.79               | 486.40                | 52.39                   | 10.285            |                    |         |
| 5,400.00                   | 5,289.32            | 5,371.15            | 5,265.72            | 26.81           | 26.92       | 105.02                | -236.96                           | 1,002.43   | 548.90               | 495.50                | 53.40                   | 10.279            |                    |         |
| 5,500.00                   | 5,386.95            | 5,470.64            | 5,363.01            | 27.32           | 27.43       | 105.06                | -240.57                           | 1,022.92   | 559.01               | 504.60                | 54.41                   | 10.274            |                    |         |
| 5,600.00                   | 5,484.59            | 5,570.13            | 5,460.30            | 27.83           | 27.94       | 105.10                | -244.18                           | 1,043.40   | 569.12               | 513.70                | 55.42                   | 10.269            |                    |         |
| 5,700.00                   | 5,582.23            | 5,669.61            | 5,557.59            | 28.33           | 28.45       | 105.14                | -247.80                           | 1,063.89   | 579.23               | 522.79                | 56.43                   | 10.264            |                    |         |
| 5,800.00                   | 5,679.87            | 5,769.10            | 5,654.87            | 28.84           | 28.96       | 105.18                | -251.41                           | 1,084.38   | 589.34               | 531.89                | 57.44                   | 10.259            |                    |         |
| 5,900.00                   | 5,777.50            | 5,868.59            | 5,752.16            | 29.35           | 29.47       | 105.22                | -255.02                           | 1,104.87   | 599.45               | 540.99                | 58.46                   | 10.255            |                    |         |
| 6,000.00                   | 5,875.14            | 5,968.08            | 5,849.45            | 29.86           | 29.98       | 105.26                | -258.63                           | 1,125.35   | 609.56               | 550.09                | 59.47                   | 10.250            |                    |         |
| 6,100.00                   | 5,972.78            | 6,067.56            | 5,946.74            | 30.37           | 30.49       | 105.29                | -262.25                           | 1,145.84   | 619.67               | 559.19                | 60.48                   | 10.246            |                    |         |
| 6,200.00                   | 6,070.41            | 6,167.05            | 6,044.02            | 30.88           | 31.00       | 105.32                | -265.86                           | 1,166.33   | 629.78               | 568.28                | 61.49                   | 10.241            |                    |         |
| 6,300.00                   | 6,168.05            | 6,266.54            | 6,141.31            | 31.39           | 31.51       | 105.36                | -269.47                           | 1,186.82   | 639.89               | 577.38                | 62.51                   | 10.237            |                    |         |
| 6,400.00                   | 6,265.69            | 6,367.06            | 6,240.23            | 31.90           | 31.99       | 105.71                | -273.16                           | 1,203.92   | 649.94               | 586.44                | 63.51                   | 10.234            |                    |         |
| 6,439.09                   | 6,303.85            | 6,405.92            | 6,278.97            | 32.10           | 32.16       | 106.19                | -274.62                           | 1,206.63   | 653.85               | 589.98                | 63.87                   | 10.237            |                    |         |
| 6,450.00                   | 6,314.53            | 6,416.66            | 6,289.69            | 32.16           | 32.19       | 107.92                | -275.02                           | 1,206.96   | 654.95               | 590.98                | 63.97                   | 10.239            |                    |         |
| 6,500.00                   | 6,363.83            | 6,465.47            | 6,338.45            | 32.39           | 32.37       | 120.52                | -276.87                           | 1,206.18   | 660.11               | 595.73                | 64.38                   | 10.254            |                    |         |
| 6,550.00                   | 6,413.58            | 6,513.67            | 6,386.40            | 32.60           | 32.53       | 154.26                | -278.71                           | 1,201.75   | 665.42               | 600.68                | 64.74                   | 10.278            |                    |         |
| 6,600.00                   | 6,463.45            | 6,561.30            | 6,433.32            | 32.79           | 32.69       | -143.76               | -280.51                           | 1,193.81   | 670.85               | 605.78                | 65.08                   | 10.308            |                    |         |
| 6,650.00                   | 6,513.15            | 6,608.40            | 6,479.00            | 32.97           | 32.86       | -115.14               | -282.29                           | 1,182.53   | 676.36               | 610.96                | 65.40                   | 10.341            |                    |         |
| 6,700.00                   | 6,562.37            | 6,655.00            | 6,523.26            | 33.15           | 33.03       | -104.06               | -284.02                           | 1,168.08   | 681.90               | 616.18                | 65.73                   | 10.375            |                    |         |
| 6,750.00                   | 6,610.80            | 6,701.14            | 6,565.93            | 33.34           | 33.22       | -98.20                | -285.70                           | 1,150.62   | 687.43               | 621.37                | 66.06                   | 10.406            |                    |         |
| 6,800.00                   | 6,658.14            | 6,746.87            | 6,606.85            | 33.53           | 33.41       | -94.42                | -287.32                           | 1,130.31   | 692.90               | 626.50                | 66.40                   | 10.435            |                    |         |
| 6,850.00                   | 6,704.11            | 6,792.21            | 6,645.88            | 33.74           | 33.62       | -91.68                | -288.89                           | 1,107.32   | 698.27               | 631.51                | 66.76                   | 10.460            |                    |         |
| 6,900.00                   | 6,748.42            | 6,837.19            | 6,682.90            | 33.97           | 33.85       | -89.55                | -290.38                           | 1,081.81   | 703.50               | 636.36                | 67.14                   | 10.478            |                    |         |
| 6,950.00                   | 6,790.79            | 6,881.86            | 6,717.79            | 34.21           | 34.09       | -87.80                | -291.81                           | 1,053.97   | 708.54               | 640.99                | 67.55                   | 10.489            |                    |         |
| 7,000.00                   | 6,830.97            | 6,926.24            | 6,750.43            | 34.48           | 34.36       | -86.35                | -293.15                           | 1,023.94   | 713.36               | 645.36                | 68.00                   | 10.491            |                    |         |
| 7,050.00                   | 6,868.71            | 6,970.36            | 6,780.73            | 34.77           | 34.65       | -85.10                | -294.42                           | 991.91     | 717.91               | 649.42                | 68.49                   | 10.482            |                    |         |
| 7,100.00                   | 6,903.77            | 7,014.26            | 6,808.61            | 35.09           | 34.96       | -84.04                | -295.60                           | 958.03     | 722.17               | 653.14                | 69.03                   | 10.461            |                    |         |
| 7,150.00                   | 6,935.93            | 7,057.96            | 6,833.98            | 35.44           | 35.30       | -83.12                | -296.69                           | 922.47     | 726.10               | 656.46                | 69.64                   | 10.427            |                    |         |
| 7,200.00                   | 6,965.01            | 7,101.50            | 6,856.77            | 35.83           | 35.67       | -82.34                | -297.69                           | 885.40     | 729.67               | 659.36                | 70.31                   | 10.378            |                    |         |
| 7,250.00                   | 6,990.82            | 7,144.89            | 6,876.91            | 36.26           | 36.07       | -81.67                | -298.59                           | 846.99     | 732.85               | 661.80                | 71.05                   | 10.314            |                    |         |
| 7,300.00                   | 7,013.20            | 7,188.16            | 6,894.35            | 36.72           | 36.50       | -81.12                | -299.40                           | 807.41     | 735.63               | 663.75                | 71.88                   | 10.234            |                    |         |
| 7,350.00                   | 7,032.02            | 7,231.34            | 6,909.03            | 37.23           | 36.95       | -80.68                | -300.10                           | 766.81     | 737.98               | 665.20                | 72.78                   | 10.140            |                    |         |
| 7,400.00                   | 7,047.15            | 7,274.45            | 6,920.91            | 37.77           | 37.44       | -80.34                | -300.71                           | 725.38     | 739.89               | 666.13                | 73.76                   | 10.031            |                    |         |
| 7,450.00                   | 7,058.51            | 7,317.52            | 6,929.96            | 38.34           | 37.94       | -80.10                | -301.20                           | 683.29     | 741.33               | 666.52                | 74.81                   | 9.909             |                    |         |
| 7,500.00                   | 7,066.02            | 7,360.57            | 6,936.13            | 38.95           | 38.47       | -79.95                | -301.59                           | 640.69     | 742.31               | 666.39                | 75.93                   | 9.777             |                    |         |
| 7,550.00                   | 7,069.64            | 7,403.62            | 6,939.42            | 39.58           | 39.01       | -79.91                | -301.87                           | 597.78     | 742.82               | 665.72                | 77.10                   | 9.634             |                    |         |
| 7,571.20                   | 7,070.00            | 7,421.88            | 6,939.94            | 39.85           | 39.25       | -79.92                | -301.96                           | 579.53     | 742.89               | 665.28                | 77.61                   | 9.572             |                    |         |
| 7,600.00                   | 7,070.00            | 7,449.52            | 6,940.05            | 40.23           | 39.62       | -79.93                | -302.06                           | 551.89     | 742.97               | 664.61                | 78.36                   | 9.482             |                    |         |
| 7,700.00                   | 7,070.01            | 7,549.52            | 6,940.32            | 41.64           | 41.05       | -79.95                | -302.44                           | 451.89     | 743.26               | 662.07                | 81.19                   | 9.155             |                    |         |
| 7,800.00                   | 7,070.02            | 7,649.52            | 6,940.59            | 43.20           | 42.61       | -79.98                | -302.82                           | 351.89     | 743.55               | 659.27                | 84.29                   | 8.822             |                    |         |
| 7,900.00                   | 7,070.03            | 7,749.52            | 6,940.85            | 44.89           | 44.30       | -80.00                | -303.19                           | 251.89     | 743.84               | 656.20                | 87.64                   | 8.487             |                    |         |
| 8,000.00                   | 7,070.04            | 7,849.52            | 6,941.12            | 46.69           | 46.11       | -80.02                | -303.57                           | 151.89     | 744.14               | 652.91                | 91.22                   | 8.157             |                    |         |
| 8,100.00                   | 7,070.05            | 7,949.52            | 6,941.39            | 48.60           | 48.02       | -80.05                | -303.94                           | 51.90      | 744.43               | 649.42                | 95.01                   | 7.836             |                    |         |
| 8,200.00                   | 7,070.05            | 8,049.52            | 6,941.65            | 50.59           | 50.03       | -80.07                | -304.32                           | -48.10     | 744.72               | 645.75                | 98.97                   | 7.525             |                    |         |
| 8,300.00                   | 7,070.06            | 8,149.51            | 6,941.92            | 52.66           | 52.11       | -80.10                | -304.69                           | -148.10    | 745.01               | 641.93                | 103.09                  | 7.227             |                    |         |
| 8,400.00                   | 7,070.07            | 8,249.51            | 6,942.18            | 54.81           | 54.27       | -80.12                | -305.07                           | -248.10    | 745.31               | 637.96                | 107.34                  | 6.943             |                    |         |
| 8,500.00                   | 7,070.08            | 8,349.51            | 6,942.45            | 57.02           | 56.48       | -80.14                | -305.44                           | -348.10    | 745.60               | 633.87                | 111.73                  | 6.673             |                    |         |
| 8,600.00                   | 7,070.09            | 8,449.51            | 6,942.72            | 59.28           | 58.76       | -80.17                | -305.82                           | -448.09    | 745.89               | 629.67                | 116.22                  | 6.418             |                    |         |
| 8,700.00                   | 7,070.10            | 8,549.51            | 6,942.98            | 61.60           | 61.08       | -80.19                | -306.19                           | -548.09    | 746.18               | 625.38                | 120.81                  | 6.177             |                    |         |
| 8,800.00                   | 7,070.11            | 8,649.51            | 6,943.25            | 63.95           | 63.45       | -80.22                | -306.57                           | -648.09    | 746.48               | 620.99                | 125.48                  | 5.949             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00   | 7,070.12            | 8,749.51            | 6,943.51            | 66.35           | 65.85       | -80.24                | -306.94                           | -748.09    | 746.77               | 616.53                | 130.24                  | 5.734             |                    |         |
| 9,000.00   | 7,070.13            | 8,849.51            | 6,943.78            | 68.79           | 68.29       | -80.26                | -307.32                           | -848.09    | 747.06               | 612.00                | 135.06                  | 5.531             |                    |         |
| 9,100.00   | 7,070.13            | 8,949.51            | 6,944.05            | 71.25           | 70.77       | -80.29                | -307.69                           | -948.08    | 747.36               | 607.41                | 139.95                  | 5.340             |                    |         |
| 9,200.00   | 7,070.14            | 9,049.51            | 6,944.31            | 73.74           | 73.27       | -80.31                | -308.07                           | -1,048.08  | 747.65               | 602.76                | 144.89                  | 5.160             |                    |         |
| 9,300.00   | 7,070.15            | 9,149.51            | 6,944.58            | 76.26           | 75.79       | -80.33                | -308.44                           | -1,148.08  | 747.94               | 598.06                | 149.88                  | 4.990             |                    |         |
| 9,400.00   | 7,070.16            | 9,249.50            | 6,944.84            | 78.80           | 78.34       | -80.36                | -308.82                           | -1,248.08  | 748.24               | 593.32                | 154.92                  | 4.830             |                    |         |
| 9,500.00   | 7,070.17            | 9,349.50            | 6,945.11            | 81.37           | 80.91       | -80.38                | -309.20                           | -1,348.08  | 748.53               | 588.53                | 160.00                  | 4.678             |                    |         |
| 9,600.00   | 7,070.18            | 9,449.50            | 6,945.38            | 83.95           | 83.50       | -80.41                | -309.57                           | -1,448.07  | 748.82               | 583.70                | 165.12                  | 4.535             |                    |         |
| 9,700.00   | 7,070.19            | 9,549.50            | 6,945.64            | 86.55           | 86.11       | -80.43                | -309.95                           | -1,548.07  | 749.12               | 578.85                | 170.27                  | 4.400             |                    |         |
| 9,800.00   | 7,070.20            | 9,649.50            | 6,945.91            | 89.17           | 88.73       | -80.45                | -310.32                           | -1,648.07  | 749.41               | 573.95                | 175.46                  | 4.271             |                    |         |
| 9,900.00   | 7,070.21            | 9,749.50            | 6,946.17            | 91.80           | 91.36       | -80.48                | -310.70                           | -1,748.07  | 749.71               | 569.04                | 180.67                  | 4.150             |                    |         |
| 10,000.00  | 7,070.21            | 9,849.50            | 6,946.44            | 94.44           | 94.01       | -80.50                | -311.07                           | -1,848.07  | 750.00               | 564.09                | 185.91                  | 4.034             |                    |         |
| 10,100.00  | 7,070.22            | 9,949.50            | 6,946.71            | 97.10           | 96.67       | -80.52                | -311.45                           | -1,948.06  | 750.30               | 559.12                | 191.18                  | 3.925             |                    |         |
| 10,200.00  | 7,070.23            | 10,049.50           | 6,946.97            | 99.77           | 99.34       | -80.55                | -311.82                           | -2,048.06  | 750.59               | 554.13                | 196.46                  | 3.821             |                    |         |
| 10,300.00  | 7,070.24            | 10,149.50           | 6,947.24            | 102.44          | 102.03      | -80.57                | -312.20                           | -2,148.06  | 750.88               | 549.11                | 201.77                  | 3.721             |                    |         |
| 10,400.00  | 7,070.25            | 10,249.50           | 6,947.50            | 105.13          | 104.72      | -80.60                | -312.57                           | -2,248.06  | 751.18               | 544.08                | 207.10                  | 3.627             |                    |         |
| 10,500.00  | 7,070.26            | 10,349.49           | 6,947.77            | 107.83          | 107.42      | -80.62                | -312.95                           | -2,348.06  | 751.47               | 539.03                | 212.44                  | 3.537             |                    |         |
| 10,600.00  | 7,070.27            | 10,449.49           | 6,948.04            | 110.53          | 110.12      | -80.64                | -313.32                           | -2,448.05  | 751.77               | 533.97                | 217.80                  | 3.452             |                    |         |
| 10,700.00  | 7,070.28            | 10,549.49           | 6,948.30            | 113.24          | 112.84      | -80.67                | -313.70                           | -2,548.05  | 752.07               | 528.88                | 223.18                  | 3.370             |                    |         |
| 10,800.00  | 7,070.28            | 10,649.49           | 6,948.57            | 115.96          | 115.56      | -80.69                | -314.07                           | -2,648.05  | 752.36               | 523.79                | 228.57                  | 3.292             |                    |         |
| 10,900.00  | 7,070.29            | 10,749.49           | 6,948.83            | 118.69          | 118.29      | -80.71                | -314.45                           | -2,748.05  | 752.66               | 518.68                | 233.98                  | 3.217             |                    |         |
| 11,000.00  | 7,070.30            | 10,849.49           | 6,949.10            | 121.42          | 121.03      | -80.74                | -314.82                           | -2,848.05  | 752.95               | 513.56                | 239.39                  | 3.145             |                    |         |
| 11,100.00  | 7,070.31            | 10,949.49           | 6,949.37            | 124.16          | 123.77      | -80.76                | -315.20                           | -2,948.04  | 753.25               | 508.42                | 244.82                  | 3.077             |                    |         |
| 11,200.00  | 7,070.32            | 11,049.49           | 6,949.63            | 126.90          | 126.51      | -80.78                | -315.58                           | -3,048.04  | 753.54               | 503.28                | 250.26                  | 3.011             |                    |         |
| 11,300.00  | 7,070.33            | 11,149.49           | 6,949.90            | 129.65          | 129.26      | -80.81                | -315.95                           | -3,148.04  | 753.84               | 498.13                | 255.71                  | 2.948             |                    |         |
| 11,400.00  | 7,070.34            | 11,249.49           | 6,950.17            | 132.40          | 132.02      | -80.83                | -316.33                           | -3,248.04  | 754.14               | 492.96                | 261.17                  | 2.887             |                    |         |
| 11,500.00  | 7,070.35            | 11,349.49           | 6,950.43            | 135.16          | 134.78      | -80.85                | -316.70                           | -3,348.04  | 754.43               | 487.79                | 266.64                  | 2.829             |                    |         |
| 11,600.00  | 7,070.36            | 11,449.48           | 6,950.70            | 137.92          | 137.54      | -80.88                | -317.08                           | -3,448.03  | 754.73               | 482.61                | 272.12                  | 2.774             |                    |         |
| 11,700.00  | 7,070.36            | 11,549.48           | 6,950.96            | 140.69          | 140.31      | -80.90                | -317.45                           | -3,548.03  | 755.03               | 477.42                | 277.61                  | 2.720             |                    |         |
| 11,800.00  | 7,070.37            | 11,649.48           | 6,951.23            | 143.46          | 143.08      | -80.92                | -317.83                           | -3,648.03  | 755.32               | 472.22                | 283.10                  | 2.668             |                    |         |
| 11,900.00  | 7,070.38            | 11,749.48           | 6,951.50            | 146.23          | 145.85      | -80.95                | -318.20                           | -3,748.03  | 755.62               | 467.02                | 288.60                  | 2.618             |                    |         |
| 12,000.00  | 7,070.39            | 11,849.48           | 6,951.76            | 149.01          | 148.63      | -80.97                | -318.58                           | -3,848.03  | 755.92               | 461.80                | 294.11                  | 2.570             |                    |         |
| 12,100.00  | 7,070.40            | 11,949.48           | 6,952.03            | 151.79          | 151.41      | -80.99                | -318.95                           | -3,948.02  | 756.21               | 456.59                | 299.63                  | 2.524             |                    |         |
| 12,200.00  | 7,070.41            | 12,049.48           | 6,952.29            | 154.57          | 154.19      | -81.02                | -319.33                           | -4,048.02  | 756.51               | 451.36                | 305.15                  | 2.479             |                    |         |
| 12,300.00  | 7,070.42            | 12,149.48           | 6,952.56            | 157.35          | 156.98      | -81.04                | -319.70                           | -4,148.02  | 756.81               | 446.13                | 310.67                  | 2.436             |                    |         |
| 12,400.00  | 7,070.43            | 12,249.48           | 6,952.83            | 160.14          | 159.77      | -81.06                | -320.08                           | -4,248.02  | 757.11               | 440.90                | 316.21                  | 2.394             |                    |         |
| 12,500.00  | 7,070.44            | 12,349.48           | 6,953.09            | 162.93          | 162.56      | -81.09                | -320.45                           | -4,348.02  | 757.40               | 435.66                | 321.75                  | 2.354             |                    |         |
| 12,600.00  | 7,070.44            | 12,449.48           | 6,953.36            | 165.72          | 165.35      | -81.11                | -320.83                           | -4,448.02  | 757.70               | 430.41                | 327.29                  | 2.315             |                    |         |
| 12,700.00  | 7,070.45            | 12,549.47           | 6,953.62            | 168.52          | 168.15      | -81.13                | -321.21                           | -4,548.01  | 758.00               | 425.16                | 332.84                  | 2.277             |                    |         |
| 12,800.00  | 7,070.46            | 12,649.47           | 6,953.89            | 171.32          | 170.95      | -81.16                | -321.58                           | -4,648.01  | 758.30               | 419.91                | 338.39                  | 2.241             |                    |         |
| 12,900.00  | 7,070.47            | 12,749.47           | 6,954.16            | 174.11          | 173.75      | -81.18                | -321.96                           | -4,748.01  | 758.59               | 414.65                | 343.95                  | 2.206             |                    |         |
| 13,000.00  | 7,070.48            | 12,849.47           | 6,954.42            | 176.92          | 176.55      | -81.20                | -322.33                           | -4,848.01  | 758.89               | 409.38                | 349.51                  | 2.171             |                    |         |
| 13,100.00  | 7,070.49            | 12,949.47           | 6,954.69            | 179.72          | 179.35      | -81.23                | -322.71                           | -4,948.01  | 759.19               | 404.11                | 355.08                  | 2.138             |                    |         |
| 13,200.00  | 7,070.50            | 13,049.47           | 6,954.95            | 182.52          | 182.16      | -81.25                | -323.08                           | -5,048.00  | 759.49               | 398.84                | 360.65                  | 2.106             |                    |         |
| 13,300.00  | 7,070.51            | 13,149.47           | 6,955.22            | 185.33          | 184.96      | -81.27                | -323.46                           | -5,148.00  | 759.79               | 393.57                | 366.22                  | 2.075             |                    |         |
| 13,400.00  | 7,070.52            | 13,249.47           | 6,955.49            | 188.14          | 187.77      | -81.30                | -323.83                           | -5,248.00  | 760.09               | 388.29                | 371.80                  | 2.044             |                    |         |
| 13,500.00  | 7,070.52            | 13,349.47           | 6,955.75            | 190.95          | 190.58      | -81.32                | -324.21                           | -5,348.00  | 760.39               | 383.00                | 377.38                  | 2.015             |                    |         |
| 13,600.00  | 7,070.53            | 13,449.47           | 6,956.02            | 193.76          | 193.39      | -81.34                | -324.58                           | -5,448.00  | 760.68               | 377.72                | 382.97                  | 1.986             |                    |         |
| 13,700.00  | 7,070.54            | 13,549.47           | 6,956.28            | 196.57          | 196.21      | -81.36                | -324.96                           | -5,547.99  | 760.98               | 372.43                | 388.55                  | 1.959             |                    |         |
| 13,800.00  | 7,070.55            | 13,649.46           | 6,956.55            | 199.38          | 199.02      | -81.39                | -325.33                           | -5,647.99  | 761.28               | 367.14                | 394.15                  | 1.931             |                    |         |
| 13,900.00  | 7,070.56            | 13,749.46           | 6,956.82            | 202.20          | 201.84      | -81.41                | -325.71                           | -5,747.99  | 761.58               | 361.84                | 399.74                  | 1.905             |                    |         |
| 14,000.00  | 7,070.57            | 13,849.46           | 6,957.08            | 205.01          | 204.65      | -81.43                | -326.08                           | -5,847.99  | 761.88               | 356.55                | 405.34                  | 1.880             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1 |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------------------|--------------------------|--------------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Well Error: | 3.28 ft |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Semi Major Axis<br>Reference (ft) | Highside<br>Toolface (°) | Offset Wellbore Centre<br>+N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor  | Warning |
| 14,100.00  | 7,070.58            | 13,949.46           | 6,957.35            | 207.83         | 207.47      | -81.46                            |                          | -326.46                              | -5,947.99  | 762.18               | 351.24                | 410.94                  | 1.855              |         |
| 14,200.00  | 7,070.59            | 14,049.46           | 6,957.61            | 210.65         | 210.29      | -81.48                            |                          | -326.83                              | -6,047.98  | 762.48               | 345.94                | 416.54                  | 1.831              |         |
| 14,300.00  | 7,070.60            | 14,149.46           | 6,957.88            | 213.47         | 213.11      | -81.50                            |                          | -327.21                              | -6,147.98  | 762.78               | 340.64                | 422.15                  | 1.807              |         |
| 14,400.00  | 7,070.60            | 14,249.46           | 6,958.15            | 216.29         | 215.93      | -81.53                            |                          | -327.59                              | -6,247.98  | 763.08               | 335.33                | 427.75                  | 1.784              |         |
| 14,500.00  | 7,070.61            | 14,349.46           | 6,958.41            | 219.11         | 218.75      | -81.55                            |                          | -327.96                              | -6,347.98  | 763.38               | 330.02                | 433.36                  | 1.762              |         |
| 14,600.00  | 7,070.62            | 14,449.46           | 6,958.68            | 221.94         | 221.57      | -81.57                            |                          | -328.34                              | -6,447.98  | 763.68               | 324.70                | 438.98                  | 1.740              |         |
| 14,700.00  | 7,070.63            | 14,549.46           | 6,958.95            | 224.76         | 224.40      | -81.59                            |                          | -328.71                              | -6,547.97  | 763.98               | 319.39                | 444.59                  | 1.718              |         |
| 14,800.00  | 7,070.64            | 14,649.45           | 6,959.21            | 227.58         | 227.22      | -81.62                            |                          | -329.09                              | -6,647.97  | 764.28               | 314.07                | 450.21                  | 1.698              |         |
| 14,900.00  | 7,070.65            | 14,749.45           | 6,959.48            | 230.41         | 230.05      | -81.64                            |                          | -329.46                              | -6,747.97  | 764.58               | 308.75                | 455.83                  | 1.677              |         |
| 15,000.00  | 7,070.66            | 14,849.45           | 6,959.74            | 233.24         | 232.87      | -81.66                            |                          | -329.84                              | -6,847.97  | 764.88               | 303.43                | 461.45                  | 1.658              |         |
| 15,100.00  | 7,070.67            | 14,949.45           | 6,960.01            | 236.06         | 235.70      | -81.68                            |                          | -330.21                              | -6,947.97  | 765.18               | 298.11                | 467.08                  | 1.638              |         |
| 15,200.00  | 7,070.68            | 15,049.45           | 6,960.28            | 238.89         | 238.53      | -81.71                            |                          | -330.59                              | -7,047.96  | 765.48               | 292.78                | 472.70                  | 1.619              |         |
| 15,300.00  | 7,070.68            | 15,149.45           | 6,960.54            | 241.72         | 241.36      | -81.73                            |                          | -330.96                              | -7,147.96  | 765.79               | 287.46                | 478.33                  | 1.601              |         |
| 15,400.00  | 7,070.69            | 15,249.45           | 6,960.81            | 244.55         | 244.19      | -81.75                            |                          | -331.34                              | -7,247.96  | 766.09               | 282.13                | 483.96                  | 1.583              |         |
| 15,500.00  | 7,070.70            | 15,349.45           | 6,961.07            | 247.38         | 247.02      | -81.78                            |                          | -331.71                              | -7,347.96  | 766.39               | 276.80                | 489.59                  | 1.565              |         |
| 15,600.00  | 7,070.71            | 15,449.45           | 6,961.34            | 250.21         | 249.85      | -81.80                            |                          | -332.09                              | -7,447.96  | 766.69               | 271.47                | 495.22                  | 1.548              |         |
| 15,700.00  | 7,070.72            | 15,549.45           | 6,961.61            | 253.04         | 252.68      | -81.82                            |                          | -332.46                              | -7,547.95  | 766.99               | 266.13                | 500.86                  | 1.531              |         |
| 15,800.00  | 7,070.73            | 15,649.45           | 6,961.87            | 255.87         | 255.51      | -81.84                            |                          | -332.84                              | -7,647.95  | 767.29               | 260.80                | 506.50                  | 1.515              |         |
| 15,900.00  | 7,070.74            | 15,749.44           | 6,962.14            | 258.71         | 258.34      | -81.87                            |                          | -333.22                              | -7,747.95  | 767.59               | 255.46                | 512.14                  | 1.499 Level 3      |         |
| 16,000.00  | 7,070.75            | 15,849.44           | 6,962.40            | 261.54         | 261.18      | -81.89                            |                          | -333.59                              | -7,847.95  | 767.90               | 250.12                | 517.78                  | 1.483 Level 3      |         |
| 16,100.00  | 7,070.76            | 15,949.44           | 6,962.67            | 264.37         | 264.01      | -81.91                            |                          | -333.97                              | -7,947.95  | 768.20               | 244.78                | 523.42                  | 1.468 Level 3      |         |
| 16,200.00  | 7,070.76            | 16,049.44           | 6,962.94            | 267.21         | 266.84      | -81.93                            |                          | -334.34                              | -8,047.94  | 768.50               | 239.44                | 529.06                  | 1.453 Level 3      |         |
| 16,300.00  | 7,070.77            | 16,149.44           | 6,963.20            | 270.04         | 269.68      | -81.96                            |                          | -334.72                              | -8,147.94  | 768.80               | 234.10                | 534.71                  | 1.438 Level 3      |         |
| 16,400.00  | 7,070.78            | 16,249.44           | 6,963.47            | 272.88         | 272.51      | -81.98                            |                          | -335.09                              | -8,247.94  | 769.11               | 228.75                | 540.35                  | 1.423 Level 3      |         |
| 16,500.00  | 7,070.79            | 16,349.44           | 6,963.73            | 275.71         | 275.35      | -82.00                            |                          | -335.47                              | -8,347.94  | 769.41               | 223.41                | 546.00                  | 1.409 Level 3      |         |
| 16,600.00  | 7,070.80            | 16,449.44           | 6,964.00            | 278.55         | 278.18      | -82.02                            |                          | -335.84                              | -8,447.94  | 769.71               | 218.06                | 551.65                  | 1.395 Level 3      |         |
| 16,700.00  | 7,070.81            | 16,549.44           | 6,964.27            | 281.39         | 281.02      | -82.05                            |                          | -336.22                              | -8,547.93  | 770.01               | 212.71                | 557.30                  | 1.382 Level 3      |         |
| 16,800.00  | 7,070.82            | 16,649.44           | 6,964.53            | 284.22         | 283.86      | -82.07                            |                          | -336.59                              | -8,647.93  | 770.32               | 207.36                | 562.95                  | 1.368 Level 3      |         |
| 16,900.00  | 7,070.83            | 16,749.44           | 6,964.80            | 287.06         | 286.70      | -82.09                            |                          | -336.97                              | -8,747.93  | 770.62               | 202.01                | 568.61                  | 1.355 Level 3      |         |
| 17,000.00  | 7,070.84            | 16,849.43           | 6,965.06            | 289.90         | 289.53      | -82.11                            |                          | -337.34                              | -8,847.93  | 770.92               | 196.66                | 574.26                  | 1.342 Level 3      |         |
| 17,100.00  | 7,070.84            | 16,949.43           | 6,965.33            | 292.74         | 292.37      | -82.14                            |                          | -337.72                              | -8,947.93  | 771.22               | 191.31                | 579.92                  | 1.330 Level 3      |         |
| 17,200.00  | 7,070.85            | 17,049.43           | 6,965.60            | 295.58         | 295.21      | -82.16                            |                          | -338.09                              | -9,047.92  | 771.53               | 185.95                | 585.57                  | 1.318 Level 3      |         |
| 17,300.00  | 7,070.86            | 17,149.43           | 6,965.86            | 298.42         | 298.05      | -82.18                            |                          | -338.47                              | -9,147.92  | 771.83               | 180.60                | 591.23                  | 1.305 Level 3      |         |
| 17,400.00  | 7,070.87            | 17,249.43           | 6,966.13            | 301.26         | 300.89      | -82.20                            |                          | -338.84                              | -9,247.92  | 772.14               | 175.24                | 596.89                  | 1.294 Level 3      |         |
| 17,500.00  | 7,070.88            | 17,349.43           | 6,966.39            | 304.10         | 303.73      | -82.23                            |                          | -339.22                              | -9,347.92  | 772.44               | 169.89                | 602.55                  | 1.282 Level 3      |         |
| 17,600.00  | 7,070.89            | 17,449.43           | 6,966.66            | 306.94         | 306.57      | -82.25                            |                          | -339.60                              | -9,447.92  | 772.74               | 164.53                | 608.22                  | 1.271 Level 3      |         |
| 17,700.00  | 7,070.90            | 17,549.43           | 6,966.93            | 309.78         | 309.41      | -82.27                            |                          | -339.97                              | -9,547.91  | 773.05               | 159.17                | 613.88                  | 1.259 Level 3      |         |
| 17,800.00  | 7,070.91            | 17,649.43           | 6,967.19            | 312.62         | 312.25      | -82.29                            |                          | -340.35                              | -9,647.91  | 773.35               | 153.81                | 619.54                  | 1.248 Level 2      |         |
| 17,900.00  | 7,070.92            | 17,749.43           | 6,967.46            | 315.46         | 315.09      | -82.32                            |                          | -340.72                              | -9,747.91  | 773.65               | 148.45                | 625.21                  | 1.237 Level 2      |         |
| 18,000.00  | 7,070.92            | 17,849.43           | 6,967.72            | 318.31         | 317.93      | -82.34                            |                          | -341.10                              | -9,847.91  | 773.96               | 143.08                | 630.87                  | 1.227 Level 2      |         |
| 18,100.00  | 7,070.93            | 17,949.42           | 6,967.99            | 321.15         | 320.77      | -82.36                            |                          | -341.47                              | -9,947.91  | 774.26               | 137.72                | 636.54                  | 1.216 Level 2      |         |
| 18,200.00  | 7,070.94            | 18,049.42           | 6,968.26            | 323.99         | 323.62      | -82.38                            |                          | -341.85                              | -10,047.90 | 774.57               | 132.36                | 642.21                  | 1.206 Level 2      |         |
| 18,300.00  | 7,070.95            | 18,149.42           | 6,968.52            | 326.83         | 326.46      | -82.40                            |                          | -342.22                              | -10,147.90 | 774.87               | 126.99                | 647.88                  | 1.196 Level 2      |         |
| 18,400.00  | 7,070.96            | 18,249.42           | 6,968.79            | 329.68         | 329.30      | -82.43                            |                          | -342.60                              | -10,247.90 | 775.18               | 121.63                | 653.55                  | 1.186 Level 2      |         |
| 18,500.00  | 7,070.97            | 18,349.42           | 6,969.06            | 332.52         | 332.14      | -82.45                            |                          | -342.97                              | -10,347.90 | 775.48               | 116.26                | 659.22                  | 1.176 Level 2      |         |
| 18,600.00  | 7,070.98            | 18,449.42           | 6,969.32            | 335.36         | 334.99      | -82.47                            |                          | -343.35                              | -10,447.90 | 775.79               | 110.89                | 664.89                  | 1.167 Level 2      |         |
| 18,700.00  | 7,070.99            | 18,549.42           | 6,969.59            | 338.21         | 337.83      | -82.49                            |                          | -343.72                              | -10,547.89 | 776.09               | 105.52                | 670.57                  | 1.157 Level 2      |         |
| 18,800.00  | 7,070.99            | 18,649.42           | 6,969.85            | 341.05         | 340.67      | -82.51                            |                          | -344.10                              | -10,647.89 | 776.40               | 100.16                | 676.24                  | 1.148 Level 2      |         |
| 18,858.54  | 7,071.00            | 18,707.96           | 6,970.01            | 342.72         | 342.34      | -82.53                            |                          | -344.32                              | -10,706.43 | 776.58               | 97.01                 | 679.56                  | 1.143 Level 2, SF  |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1 |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------------------|--------------------------|--------------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Well Error: | 3.28 ft |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Semi Major Axis<br>Reference (ft) | Highside<br>Toolface (°) | Offset Wellbore Centre<br>+N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor  | Warning |
| 0.00   | 0.00                | 0.00                | 0.00                | 3.28           | 3.28        | -179.29                           |                          | -45.18                               | -0.56      | 45.18                |                       |                         |                    |         |
| 100.00   | 100.00              | 100.00              | 100.00              | 3.28           | 3.28        | -179.29                           |                          | -45.18                               | -0.56      | 45.18                | 38.61                 | 6.57                    | 6.878              |         |
| 200.00   | 200.00              | 200.00              | 200.00              | 3.34           | 3.34        | -179.29                           |                          | -45.18                               | -0.56      | 45.18                | 38.51                 | 6.67                    | 6.770              |         |
| 300.00   | 300.00              | 300.00              | 300.00              | 3.44           | 3.44        | -179.29                           |                          | -45.18                               | -0.56      | 45.18                | 38.29                 | 6.89                    | 6.558 CC           |         |
| 400.00   | 399.98              | 399.86              | 399.84              | 3.60           | 3.60        | 108.09                            |                          | -45.35                               | 1.18       | 45.87                | 38.67                 | 7.20                    | 6.371              |         |
| 500.00   | 499.84              | 499.70              | 499.54              | 3.80           | 3.80        | 107.78                            |                          | -45.85                               | 6.37       | 47.95                | 40.35                 | 7.60                    | 6.313              |         |
| 600.00   | 599.45              | 599.47              | 598.93              | 4.04           | 4.04        | 107.30                            |                          | -46.68                               | 15.01      | 51.40                | 43.33                 | 8.07                    | 6.367              |         |
| 700.00   | 698.70              | 699.17              | 697.88              | 4.32           | 4.31        | 106.73                            |                          | -47.84                               | 27.08      | 56.24                | 47.61                 | 8.62                    | 6.521              |         |
| 800.00   | 797.47              | 798.74              | 796.23              | 4.63           | 4.62        | 106.12                            |                          | -49.34                               | 42.55      | 62.44                | 53.20                 | 9.24                    | 6.757              |         |
| 900.00   | 895.62              | 898.18              | 893.85              | 4.97           | 4.96        | 105.50                            |                          | -51.15                               | 61.38      | 70.02                | 60.10                 | 9.92                    | 7.055              |         |
| 924.00   | 919.08              | 922.02              | 917.15              | 5.06           | 5.05        | 105.36                            |                          | -51.64                               | 66.40      | 72.04                | 61.94                 | 10.10                   | 7.134              |         |
| 1,000.00   | 993.28              | 1,002.48            | 990.66              | 5.34           | 5.35        | 104.37                            |                          | -53.29                               | 83.50      | 78.69                | 68.01                 | 10.69                   | 7.364              |         |
| 1,100.00   | 1,090.92            | 1,102.90            | 1,087.44            | 5.73           | 5.76        | 102.77                            |                          | -55.54                               | 106.84     | 87.60                | 76.12                 | 11.48                   | 7.630              |         |
| 1,200.00   | 1,188.56            | 1,203.33            | 1,184.21            | 6.15           | 6.19        | 101.48                            |                          | -57.79                               | 130.18     | 96.57                | 84.26                 | 12.31                   | 7.842              |         |
| 1,300.00   | 1,286.19            | 1,303.75            | 1,280.99            | 6.57           | 6.63        | 100.40                            |                          | -60.04                               | 153.51     | 105.58               | 92.40                 | 13.18                   | 8.013              |         |
| 1,400.00   | 1,383.83            | 1,404.18            | 1,377.77            | 7.01           | 7.09        | 99.49                             |                          | -62.29                               | 176.85     | 114.62               | 100.56                | 14.06                   | 8.151              |         |
| 1,500.00   | 1,481.47            | 1,504.60            | 1,474.54            | 7.46           | 7.56        | 98.72                             |                          | -64.54                               | 200.18     | 123.68               | 108.71                | 14.97                   | 8.263              |         |
| 1,600.00   | 1,579.10            | 1,605.02            | 1,571.32            | 7.91           | 8.04        | 98.05                             |                          | -66.79                               | 223.52     | 132.77               | 116.88                | 15.89                   | 8.355              |         |
| 1,700.00   | 1,676.74            | 1,705.45            | 1,668.10            | 8.37           | 8.53        | 97.47                             |                          | -69.04                               | 246.86     | 141.86               | 125.04                | 16.83                   | 8.432              |         |
| 1,800.00   | 1,774.38            | 1,794.13            | 1,764.87            | 8.84           | 8.96        | 96.95                             |                          | -71.29                               | 270.19     | 150.98               | 133.26                | 17.72                   | 8.522              |         |
| 1,900.00   | 1,872.02            | 1,906.30            | 1,861.65            | 9.31           | 9.51        | 96.50                             |                          | -73.54                               | 293.53     | 160.10               | 141.37                | 18.73                   | 8.548              |         |
| 2,000.00   | 1,969.65            | 2,006.72            | 1,958.42            | 9.79           | 10.02       | 96.09                             |                          | -75.79                               | 316.86     | 169.23               | 149.54                | 19.69                   | 8.593              |         |
| 2,100.00   | 2,067.29            | 2,107.15            | 2,055.20            | 10.27          | 10.52       | 95.73                             |                          | -78.05                               | 340.20     | 178.37               | 157.70                | 20.67                   | 8.631              |         |
| 2,200.00   | 2,164.93            | 2,207.57            | 2,151.98            | 10.75          | 11.03       | 95.40                             |                          | -80.30                               | 363.54     | 187.51               | 165.87                | 21.64                   | 8.664              |         |
| 2,300.00   | 2,262.56            | 2,308.00            | 2,248.75            | 11.24          | 11.54       | 95.10                             |                          | -82.55                               | 386.87     | 196.66               | 174.04                | 22.63                   | 8.692              |         |
| 2,400.00   | 2,360.20            | 2,408.42            | 2,345.53            | 11.73          | 12.06       | 94.83                             |                          | -84.80                               | 410.21     | 205.82               | 182.20                | 23.61                   | 8.716              |         |
| 2,500.00   | 2,457.84            | 2,508.85            | 2,442.31            | 12.22          | 12.57       | 94.58                             |                          | -87.05                               | 433.55     | 214.98               | 190.37                | 24.61                   | 8.737              |         |
| 2,600.00   | 2,555.48            | 2,609.27            | 2,539.08            | 12.71          | 13.09       | 94.36                             |                          | -89.30                               | 456.88     | 224.14               | 198.54                | 25.60                   | 8.755              |         |
| 2,700.00   | 2,653.11            | 2,709.69            | 2,635.86            | 13.20          | 13.61       | 94.15                             |                          | -91.55                               | 480.22     | 233.31               | 206.71                | 26.60                   | 8.770              |         |
| 2,800.00   | 2,750.75            | 2,789.88            | 2,732.64            | 13.70          | 14.03       | 93.95                             |                          | -93.80                               | 503.55     | 242.48               | 214.98                | 27.50                   | 8.817              |         |
| 2,900.00   | 2,848.39            | 2,889.46            | 2,829.41            | 14.19          | 14.55       | 93.77                             |                          | -96.05                               | 526.89     | 251.65               | 223.15                | 28.50                   | 8.830              |         |
| 3,000.00   | 2,946.02            | 2,989.03            | 2,926.19            | 14.69          | 15.06       | 93.60                             |                          | -98.30                               | 550.23     | 260.82               | 231.32                | 29.50                   | 8.841              |         |
| 3,100.00   | 3,043.66            | 3,088.61            | 3,022.96            | 15.19          | 15.59       | 93.45                             |                          | -100.55                              | 573.56     | 270.00               | 239.49                | 30.51                   | 8.851              |         |
| 3,200.00   | 3,141.30            | 3,188.18            | 3,119.74            | 15.69          | 16.11       | 93.30                             |                          | -102.80                              | 596.90     | 279.18               | 247.66                | 31.51                   | 8.859              |         |
| 3,300.00   | 3,238.94            | 3,287.76            | 3,216.52            | 16.19          | 16.63       | 93.17                             |                          | -105.06                              | 620.23     | 288.36               | 255.84                | 32.52                   | 8.867              |         |
| 3,400.00   | 3,336.57            | 3,387.33            | 3,313.29            | 16.69          | 17.15       | 93.04                             |                          | -107.31                              | 643.57     | 297.54               | 264.01                | 33.53                   | 8.874              |         |
| 3,500.00   | 3,434.21            | 3,486.91            | 3,410.07            | 17.19          | 17.68       | 92.92                             |                          | -109.56                              | 666.91     | 306.72               | 272.18                | 34.54                   | 8.880              |         |
| 3,600.00   | 3,531.85            | 3,586.49            | 3,506.85            | 17.69          | 18.20       | 92.80                             |                          | -111.81                              | 690.24     | 315.90               | 280.35                | 35.55                   | 8.886              |         |
| 3,700.00   | 3,629.48            | 3,686.06            | 3,603.62            | 18.20          | 18.73       | 92.70                             |                          | -114.06                              | 713.58     | 325.09               | 288.52                | 36.57                   | 8.891              |         |
| 3,800.00   | 3,727.12            | 3,785.64            | 3,700.40            | 18.70          | 19.25       | 92.60                             |                          | -116.31                              | 736.91     | 334.28               | 296.70                | 37.58                   | 8.895              |         |
| 3,900.00   | 3,824.76            | 3,885.21            | 3,797.17            | 19.21          | 19.78       | 92.50                             |                          | -118.56                              | 760.25     | 343.46               | 304.87                | 38.60                   | 8.899              |         |
| 4,000.00   | 3,922.40            | 3,984.79            | 3,893.95            | 19.71          | 20.31       | 92.41                             |                          | -120.81                              | 783.59     | 352.65               | 313.04                | 39.61                   | 8.903              |         |
| 4,100.00   | 4,020.03            | 4,084.36            | 3,990.73            | 20.21          | 20.83       | 92.32                             |                          | -123.06                              | 806.92     | 361.84               | 321.21                | 40.63                   | 8.906              |         |
| 4,200.00   | 4,117.67            | 4,183.94            | 4,087.50            | 20.72          | 21.36       | 92.24                             |                          | -125.31                              | 830.26     | 371.03               | 329.38                | 41.65                   | 8.909              |         |
| 4,300.00   | 4,215.31            | 4,283.51            | 4,184.28            | 21.23          | 21.89       | 92.16                             |                          | -127.56                              | 853.59     | 380.22               | 337.55                | 42.67                   | 8.912              |         |
| 4,400.00   | 4,312.94            | 4,383.09            | 4,281.06            | 21.73          | 22.42       | 92.09                             |                          | -129.81                              | 876.93     | 389.41               | 345.72                | 43.69                   | 8.914              |         |
| 4,500.00   | 4,410.58            | 4,482.66            | 4,377.83            | 22.24          | 22.95       | 92.02                             |                          | -132.07                              | 900.27     | 398.60               | 353.90                | 44.71                   | 8.916              |         |
| 4,600.00   | 4,508.22            | 4,582.24            | 4,474.61            | 22.75          | 23.48       | 91.95                             |                          | -134.32                              | 923.60     | 407.79               | 362.07                | 45.73                   | 8.918              |         |
| 4,700.00   | 4,605.86            | 4,681.82            | 4,571.38            | 23.25          | 24.01       | 91.89                             |                          | -136.57                              | 946.94     | 416.99               | 370.24                | 46.75                   | 8.920              |         |
| 4,800.00   | 4,703.49            | 4,781.39            | 4,668.16            | 23.76          | 24.54       | 91.83                             |                          | -138.82                              | 970.27     | 426.18               | 378.41                | 47.77                   | 8.922              |         |
| 4,900.00   | 4,801.13            | 4,880.97            | 4,764.94            | 24.27          | 25.07       | 91.77                             |                          | -141.07                              | 993.61     | 435.37               | 386.58                | 48.79                   | 8.923              |         |
| 5,000.00   | 4,898.77            | 4,980.54            | 4,861.71            | 24.77          | 25.60       | 91.71                             |                          | -143.32                              | 1,016.95   | 444.57               | 394.75                | 49.81                   | 8.924              |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 5,080.12            | 4,958.49            | 25.28           | 26.13       | 91.66                 | -145.57                           | 1,040.28   | 453.76               | 402.92                | 50.84                   | 8.926             |                    |         |
| 5,200.00                   | 5,094.04            | 5,179.69            | 5,055.27            | 25.79           | 26.66       | 91.60                 | -147.82                           | 1,063.62   | 462.96               | 411.10                | 51.86                   | 8.927             |                    |         |
| 5,300.00                   | 5,191.68            | 5,279.27            | 5,152.04            | 26.30           | 27.19       | 91.55                 | -150.07                           | 1,086.95   | 472.15               | 419.27                | 52.89                   | 8.928             |                    |         |
| 5,400.00                   | 5,289.32            | 5,378.84            | 5,248.82            | 26.81           | 27.72       | 91.50                 | -152.32                           | 1,110.29   | 481.35               | 427.44                | 53.91                   | 8.929             |                    |         |
| 5,500.00                   | 5,386.95            | 5,479.77            | 5,346.93            | 27.32           | 28.26       | 91.47                 | -154.60                           | 1,133.86   | 490.52               | 435.57                | 54.95                   | 8.927             |                    |         |
| 5,600.00                   | 5,484.59            | 5,585.94            | 5,450.72            | 27.83           | 28.80       | 91.72                 | -156.74                           | 1,156.04   | 498.78               | 442.75                | 56.03                   | 8.903             |                    |         |
| 5,700.00                   | 5,582.23            | 5,692.05            | 5,555.21            | 28.33           | 29.31       | 92.38                 | -158.50                           | 1,174.37   | 505.77               | 448.69                | 57.09                   | 8.860             |                    |         |
| 5,800.00                   | 5,679.87            | 5,797.80            | 5,659.96            | 28.84           | 29.79       | 93.43                 | -159.89                           | 1,188.79   | 511.60               | 453.48                | 58.12                   | 8.802             |                    |         |
| 5,900.00                   | 5,777.50            | 5,902.91            | 5,764.54            | 29.35           | 30.24       | 94.86                 | -160.91                           | 1,199.30   | 516.46               | 457.32                | 59.14                   | 8.733             |                    |         |
| 6,000.00                   | 5,875.14            | 6,007.12            | 5,868.53            | 29.86           | 30.66       | 96.64                 | -161.55                           | 1,205.94   | 520.58               | 460.45                | 60.13                   | 8.658             |                    |         |
| 6,100.00                   | 5,972.78            | 6,110.15            | 5,971.51            | 30.37           | 31.06       | 98.76                 | -161.82                           | 1,208.80   | 524.29               | 463.19                | 61.09                   | 8.582             |                    |         |
| 6,200.00                   | 6,070.41            | 6,209.05            | 6,070.41            | 30.88           | 31.41       | 101.04                | -161.84                           | 1,208.94   | 528.13               | 466.11                | 62.02                   | 8.516             |                    |         |
| 6,300.00                   | 6,168.05            | 6,306.69            | 6,168.05            | 31.39           | 31.76       | 103.27                | -161.84                           | 1,208.94   | 532.78               | 469.86                | 62.92                   | 8.467             |                    |         |
| 6,400.00                   | 6,265.69            | 6,404.33            | 6,265.69            | 31.90           | 32.11       | 105.46                | -161.84                           | 1,208.94   | 538.27               | 474.46                | 63.81                   | 8.435             |                    |         |
| 6,439.09                   | 6,303.85            | 6,442.49            | 6,303.85            | 32.10           | 32.25       | 106.31                | -161.84                           | 1,208.94   | 540.63               | 476.48                | 64.16                   | 8.427             |                    |         |
| 6,450.00                   | 6,314.53            | 6,453.16            | 6,314.53            | 32.16           | 32.29       | 108.07                | -161.84                           | 1,208.94   | 541.31               | 477.06                | 64.25                   | 8.425             |                    |         |
| 6,500.00                   | 6,363.83            | 6,502.47            | 6,363.83            | 32.39           | 32.47       | 120.56                | -161.84                           | 1,208.94   | 544.57               | 479.90                | 64.67                   | 8.421             |                    |         |
| 6,550.00                   | 6,413.58            | 6,552.22            | 6,413.58            | 32.60           | 32.65       | 153.82                | -161.84                           | 1,208.94   | 547.90               | 482.84                | 65.06                   | 8.422             |                    |         |
| 6,600.00                   | 6,463.45            | 6,601.53            | 6,462.87            | 32.79           | 32.82       | -144.95               | -161.84                           | 1,207.72   | 551.24               | 485.81                | 65.42                   | 8.426             |                    |         |
| 6,650.00                   | 6,513.15            | 6,650.66            | 6,511.74            | 32.97           | 32.99       | -117.07               | -161.87                           | 1,202.78   | 554.57               | 488.80                | 65.77                   | 8.432             |                    |         |
| 6,700.00                   | 6,562.37            | 6,699.73            | 6,560.02            | 33.15           | 33.17       | -106.70               | -161.92                           | 1,194.11   | 557.90               | 491.77                | 66.13                   | 8.437             |                    |         |
| 6,750.00                   | 6,610.80            | 6,748.74            | 6,607.44            | 33.34           | 33.35       | -101.52               | -161.98                           | 1,181.76   | 561.19               | 494.69                | 66.50                   | 8.439             |                    |         |
| 6,800.00                   | 6,658.14            | 6,797.72            | 6,653.74            | 33.53           | 33.55       | -98.39                | -162.06                           | 1,165.81   | 564.43               | 497.53                | 66.89                   | 8.438             |                    |         |
| 6,850.00                   | 6,704.11            | 6,846.66            | 6,698.64            | 33.74           | 33.76       | -96.27                | -162.17                           | 1,146.36   | 567.59               | 500.27                | 67.32                   | 8.432             |                    |         |
| 6,900.00                   | 6,748.42            | 6,895.58            | 6,741.89            | 33.97           | 33.99       | -94.72                | -162.29                           | 1,123.54   | 570.65               | 502.88                | 67.77                   | 8.420             |                    |         |
| 6,950.00                   | 6,790.79            | 6,944.48            | 6,783.25            | 34.21           | 34.24       | -93.53                | -162.42                           | 1,097.47   | 573.61               | 505.34                | 68.27                   | 8.402             |                    |         |
| 7,000.00                   | 6,830.97            | 6,993.37            | 6,822.47            | 34.48           | 34.52       | -92.58                | -162.57                           | 1,068.32   | 576.43               | 507.62                | 68.81                   | 8.377             |                    |         |
| 7,050.00                   | 6,868.71            | 7,042.25            | 6,859.34            | 34.77           | 34.82       | -91.81                | -162.74                           | 1,036.24   | 579.10               | 509.69                | 69.40                   | 8.344             |                    |         |
| 7,100.00                   | 6,903.77            | 7,091.13            | 6,893.65            | 35.09           | 35.15       | -91.17                | -162.93                           | 1,001.43   | 581.60               | 511.54                | 70.06                   | 8.302             |                    |         |
| 7,150.00                   | 6,935.93            | 7,140.03            | 6,925.19            | 35.44           | 35.52       | -90.65                | -163.12                           | 964.08     | 583.92               | 513.14                | 70.78                   | 8.250             |                    |         |
| 7,200.00                   | 6,965.01            | 7,188.94            | 6,953.78            | 35.83           | 35.92       | -90.21                | -163.33                           | 924.41     | 586.05               | 514.48                | 71.58                   | 8.188             |                    |         |
| 7,250.00                   | 6,990.82            | 7,237.88            | 6,979.25            | 36.26           | 36.36       | -89.86                | -163.55                           | 882.65     | 587.97               | 515.52                | 72.45                   | 8.116             |                    |         |
| 7,300.00                   | 7,013.20            | 7,286.84            | 7,001.45            | 36.72           | 36.84       | -89.57                | -163.78                           | 839.02     | 589.67               | 516.27                | 73.40                   | 8.034             |                    |         |
| 7,350.00                   | 7,032.02            | 7,335.83            | 7,020.24            | 37.23           | 37.36       | -89.34                | -164.01                           | 793.79     | 591.14               | 516.71                | 74.43                   | 7.942             |                    |         |
| 7,400.00                   | 7,047.15            | 7,384.86            | 7,035.51            | 37.77           | 37.91       | -89.18                | -164.26                           | 747.21     | 592.37               | 516.84                | 75.53                   | 7.843             |                    |         |
| 7,450.00                   | 7,058.51            | 7,433.94            | 7,047.16            | 38.34           | 38.50       | -89.07                | -164.51                           | 699.55     | 593.35               | 516.65                | 76.70                   | 7.736             |                    |         |
| 7,500.00                   | 7,066.02            | 7,483.06            | 7,055.11            | 38.95           | 39.12       | -89.02                | -164.76                           | 651.09     | 594.08               | 516.15                | 77.93                   | 7.623             |                    |         |
| 7,550.00                   | 7,069.64            | 7,532.23            | 7,059.30            | 39.58           | 39.75       | -89.02                | -165.02                           | 602.11     | 594.56               | 515.35                | 79.21                   | 7.506             |                    |         |
| 7,571.20                   | 7,070.00            | 7,553.08            | 7,059.94            | 39.85           | 40.03       | -89.03                | -165.13                           | 581.27     | 594.68               | 514.92                | 79.76                   | 7.456             |                    |         |
| 7,600.00                   | 7,070.00            | 7,581.77            | 7,060.05            | 40.23           | 40.42       | -89.04                | -165.28                           | 552.58     | 594.82               | 514.29                | 80.53                   | 7.387             |                    |         |
| 7,700.00                   | 7,070.01            | 7,681.77            | 7,060.28            | 41.64           | 41.87       | -89.06                | -165.80                           | 452.58     | 595.30               | 511.90                | 83.40                   | 7.138             |                    |         |
| 7,800.00                   | 7,070.02            | 7,781.77            | 7,060.51            | 43.20           | 43.45       | -89.09                | -166.33                           | 352.59     | 595.79               | 509.23                | 86.56                   | 6.883             |                    |         |
| 7,900.00                   | 7,070.03            | 7,881.77            | 7,060.74            | 44.89           | 45.17       | -89.11                | -166.85                           | 252.59     | 596.28               | 506.31                | 89.97                   | 6.628             |                    |         |
| 8,000.00                   | 7,070.04            | 7,981.76            | 7,060.97            | 46.69           | 46.99       | -89.13                | -167.37                           | 152.59     | 596.77               | 503.16                | 93.60                   | 6.376             |                    |         |
| 8,100.00                   | 7,070.05            | 8,081.76            | 7,061.20            | 48.60           | 48.91       | -89.15                | -167.90                           | 52.60      | 597.25               | 499.82                | 97.43                   | 6.130             |                    |         |
| 8,200.00                   | 7,070.05            | 8,181.76            | 7,061.43            | 50.59           | 50.92       | -89.17                | -168.42                           | -47.40     | 597.74               | 496.29                | 101.45                  | 5.892             |                    |         |
| 8,300.00                   | 7,070.06            | 8,281.76            | 7,061.66            | 52.66           | 53.01       | -89.20                | -168.95                           | -147.40    | 598.23               | 492.61                | 105.61                  | 5.664             |                    |         |
| 8,400.00                   | 7,070.07            | 8,381.76            | 7,061.89            | 54.81           | 55.17       | -89.22                | -169.47                           | -247.40    | 598.71               | 488.79                | 109.92                  | 5.447             |                    |         |
| 8,500.00                   | 7,070.08            | 8,481.76            | 7,062.12            | 57.02           | 57.39       | -89.24                | -169.99                           | -347.39    | 599.20               | 484.85                | 114.35                  | 5.240             |                    |         |
| 8,600.00                   | 7,070.09            | 8,581.76            | 7,062.35            | 59.28           | 59.67       | -89.26                | -170.52                           | -447.39    | 599.69               | 480.79                | 118.90                  | 5.044             |                    |         |
| 8,700.00                   | 7,070.10            | 8,681.75            | 7,062.58            | 61.60           | 61.99       | -89.28                | -171.04                           | -547.39    | 600.18               | 476.64                | 123.54                  | 4.858             |                    |         |
| 8,800.00                   | 7,070.11            | 8,781.75            | 7,062.81            | 63.95           | 64.36       | -89.30                | -171.57                           | -647.38    | 600.66               | 472.40                | 128.26                  | 4.683             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                   | 7,070.12            | 8,881.75            | 7,063.04            | 66.35           | 66.76       | -89.33                | -172.09                           | -747.38    | 601.15               | 468.08                | 133.07                  | 4.518             |                    |         |
| 9,000.00                   | 7,070.13            | 8,981.75            | 7,063.27            | 68.79           | 69.20       | -89.35                | -172.61                           | -847.38    | 601.64               | 463.69                | 137.94                  | 4.361             |                    |         |
| 9,100.00                   | 7,070.13            | 9,081.75            | 7,063.51            | 71.25           | 71.67       | -89.37                | -173.14                           | -947.37    | 602.13               | 459.25                | 142.88                  | 4.214             |                    |         |
| 9,200.00                   | 7,070.14            | 9,181.75            | 7,063.74            | 73.74           | 74.17       | -89.39                | -173.66                           | -1,047.37  | 602.61               | 454.74                | 147.87                  | 4.075             |                    |         |
| 9,300.00                   | 7,070.15            | 9,281.75            | 7,063.97            | 76.26           | 76.69       | -89.41                | -174.19                           | -1,147.37  | 603.10               | 450.18                | 152.92                  | 3.944             |                    |         |
| 9,400.00                   | 7,070.16            | 9,381.74            | 7,064.20            | 78.80           | 79.24       | -89.43                | -174.71                           | -1,247.36  | 603.59               | 445.58                | 158.01                  | 3.820             |                    |         |
| 9,500.00                   | 7,070.17            | 9,481.74            | 7,064.43            | 81.37           | 81.81       | -89.46                | -175.23                           | -1,347.36  | 604.08               | 440.94                | 163.14                  | 3.703             |                    |         |
| 9,600.00                   | 7,070.18            | 9,581.74            | 7,064.66            | 83.95           | 84.39       | -89.48                | -175.76                           | -1,447.36  | 604.57               | 436.25                | 168.31                  | 3.592             |                    |         |
| 9,700.00                   | 7,070.19            | 9,681.74            | 7,064.89            | 86.55           | 87.00       | -89.50                | -176.28                           | -1,547.36  | 605.06               | 431.54                | 173.52                  | 3.487             |                    |         |
| 9,800.00                   | 7,070.20            | 9,781.74            | 7,065.12            | 89.17           | 89.61       | -89.52                | -176.81                           | -1,647.35  | 605.54               | 426.79                | 178.75                  | 3.388             |                    |         |
| 9,900.00                   | 7,070.21            | 9,881.74            | 7,065.35            | 91.80           | 92.25       | -89.54                | -177.33                           | -1,747.35  | 606.03               | 422.01                | 184.02                  | 3.293             |                    |         |
| 10,000.00                  | 7,070.21            | 9,981.74            | 7,065.58            | 94.44           | 94.89       | -89.56                | -177.85                           | -1,847.35  | 606.52               | 417.21                | 189.31                  | 3.204             |                    |         |
| 10,100.00                  | 7,070.22            | 10,081.73           | 7,065.81            | 97.10           | 97.55       | -89.58                | -178.38                           | -1,947.34  | 607.01               | 412.38                | 194.62                  | 3.119             |                    |         |
| 10,200.00                  | 7,070.23            | 10,181.73           | 7,066.04            | 99.77           | 100.22      | -89.60                | -178.90                           | -2,047.34  | 607.50               | 407.54                | 199.96                  | 3.038             |                    |         |
| 10,300.00                  | 7,070.24            | 10,281.73           | 7,066.27            | 102.44          | 102.90      | -89.63                | -179.43                           | -2,147.34  | 607.99               | 402.67                | 205.32                  | 2.961             |                    |         |
| 10,400.00                  | 7,070.25            | 10,381.73           | 7,066.50            | 105.13          | 105.59      | -89.65                | -179.95                           | -2,247.33  | 608.48               | 397.78                | 210.70                  | 2.888             |                    |         |
| 10,500.00                  | 7,070.26            | 10,481.73           | 7,066.73            | 107.83          | 108.28      | -89.67                | -180.47                           | -2,347.33  | 608.96               | 392.87                | 216.09                  | 2.818             |                    |         |
| 10,600.00                  | 7,070.27            | 10,581.73           | 7,066.96            | 110.53          | 110.99      | -89.69                | -181.00                           | -2,447.33  | 609.45               | 387.95                | 221.50                  | 2.751             |                    |         |
| 10,700.00                  | 7,070.28            | 10,681.73           | 7,067.19            | 113.24          | 113.70      | -89.71                | -181.52                           | -2,547.32  | 609.94               | 383.01                | 226.93                  | 2.688             |                    |         |
| 10,800.00                  | 7,070.28            | 10,781.72           | 7,067.42            | 115.96          | 116.42      | -89.73                | -182.05                           | -2,647.32  | 610.43               | 378.06                | 232.37                  | 2.627             |                    |         |
| 10,900.00                  | 7,070.29            | 10,881.72           | 7,067.65            | 118.69          | 119.15      | -89.75                | -182.57                           | -2,747.32  | 610.92               | 373.10                | 237.82                  | 2.569             |                    |         |
| 11,000.00                  | 7,070.30            | 10,981.72           | 7,067.89            | 121.42          | 121.88      | -89.77                | -183.09                           | -2,847.31  | 611.41               | 368.12                | 243.29                  | 2.513             |                    |         |
| 11,100.00                  | 7,070.31            | 11,081.72           | 7,068.12            | 124.16          | 124.62      | -89.79                | -183.62                           | -2,947.31  | 611.90               | 363.13                | 248.77                  | 2.460             |                    |         |
| 11,200.00                  | 7,070.32            | 11,181.72           | 7,068.35            | 126.90          | 127.36      | -89.82                | -184.14                           | -3,047.31  | 612.39               | 358.14                | 254.25                  | 2.409             |                    |         |
| 11,300.00                  | 7,070.33            | 11,281.72           | 7,068.58            | 129.65          | 130.11      | -89.84                | -184.67                           | -3,147.31  | 612.88               | 353.13                | 259.75                  | 2.359             |                    |         |
| 11,400.00                  | 7,070.34            | 11,381.72           | 7,068.81            | 132.40          | 132.86      | -89.86                | -185.19                           | -3,247.30  | 613.37               | 348.11                | 265.26                  | 2.312             |                    |         |
| 11,500.00                  | 7,070.35            | 11,481.71           | 7,069.04            | 135.16          | 135.62      | -89.88                | -185.71                           | -3,347.30  | 613.86               | 343.09                | 270.77                  | 2.267             |                    |         |
| 11,600.00                  | 7,070.36            | 11,581.71           | 7,069.27            | 137.92          | 138.38      | -89.90                | -186.24                           | -3,447.30  | 614.35               | 338.05                | 276.30                  | 2.224             |                    |         |
| 11,700.00                  | 7,070.36            | 11,681.71           | 7,069.50            | 140.69          | 141.15      | -89.92                | -186.76                           | -3,547.29  | 614.84               | 333.01                | 281.83                  | 2.182             |                    |         |
| 11,800.00                  | 7,070.37            | 11,781.71           | 7,069.73            | 143.46          | 143.92      | -89.94                | -187.29                           | -3,647.29  | 615.33               | 327.96                | 287.37                  | 2.141             |                    |         |
| 11,900.00                  | 7,070.38            | 11,881.71           | 7,069.96            | 146.23          | 146.69      | -89.96                | -187.81                           | -3,747.29  | 615.82               | 322.90                | 292.91                  | 2.102             |                    |         |
| 12,000.00                  | 7,070.39            | 11,981.71           | 7,070.19            | 149.01          | 149.46      | -89.98                | -188.33                           | -3,847.28  | 616.31               | 317.84                | 298.47                  | 2.065             |                    |         |
| 12,100.00                  | 7,070.40            | 12,081.71           | 7,070.42            | 151.79          | 152.24      | -90.00                | -188.86                           | -3,947.28  | 616.80               | 312.77                | 304.03                  | 2.029             |                    |         |
| 12,200.00                  | 7,070.41            | 12,181.70           | 7,070.65            | 154.57          | 155.02      | -90.02                | -189.38                           | -4,047.28  | 617.29               | 307.70                | 309.59                  | 1.994             |                    |         |
| 12,300.00                  | 7,070.42            | 12,281.70           | 7,070.88            | 157.35          | 157.81      | -90.04                | -189.91                           | -4,147.27  | 617.78               | 302.62                | 315.16                  | 1.960             |                    |         |
| 12,400.00                  | 7,070.43            | 12,381.70           | 7,071.11            | 160.14          | 160.59      | -90.06                | -190.43                           | -4,247.27  | 618.27               | 297.54                | 320.74                  | 1.928             |                    |         |
| 12,500.00                  | 7,070.44            | 12,481.70           | 7,071.34            | 162.93          | 163.38      | -90.08                | -190.95                           | -4,347.27  | 618.76               | 292.45                | 326.32                  | 1.896             |                    |         |
| 12,600.00                  | 7,070.44            | 12,581.70           | 7,071.57            | 165.72          | 166.17      | -90.10                | -191.48                           | -4,447.27  | 619.25               | 287.35                | 331.90                  | 1.866             |                    |         |
| 12,700.00                  | 7,070.45            | 12,681.70           | 7,071.80            | 168.52          | 168.97      | -90.12                | -192.00                           | -4,547.26  | 619.74               | 282.25                | 337.49                  | 1.836             |                    |         |
| 12,800.00                  | 7,070.46            | 12,781.70           | 7,072.04            | 171.32          | 171.76      | -90.15                | -192.53                           | -4,647.26  | 620.23               | 277.15                | 343.08                  | 1.808             |                    |         |
| 12,900.00                  | 7,070.47            | 12,881.69           | 7,072.27            | 174.11          | 174.56      | -90.17                | -193.05                           | -4,747.26  | 620.72               | 272.04                | 348.68                  | 1.780             |                    |         |
| 13,000.00                  | 7,070.48            | 12,981.69           | 7,072.50            | 176.92          | 177.36      | -90.19                | -193.57                           | -4,847.25  | 621.22               | 266.93                | 354.28                  | 1.753             |                    |         |
| 13,100.00                  | 7,070.49            | 13,081.69           | 7,072.73            | 179.72          | 180.16      | -90.21                | -194.10                           | -4,947.25  | 621.71               | 261.82                | 359.89                  | 1.728             |                    |         |
| 13,200.00                  | 7,070.50            | 13,181.69           | 7,072.96            | 182.52          | 182.97      | -90.23                | -194.62                           | -5,047.25  | 622.20               | 256.70                | 365.50                  | 1.702             |                    |         |
| 13,300.00                  | 7,070.51            | 13,281.69           | 7,073.19            | 185.33          | 185.77      | -90.25                | -195.15                           | -5,147.24  | 622.69               | 251.58                | 371.11                  | 1.678             |                    |         |
| 13,400.00                  | 7,070.52            | 13,381.69           | 7,073.42            | 188.14          | 188.58      | -90.27                | -195.67                           | -5,247.24  | 623.18               | 246.46                | 376.72                  | 1.654             |                    |         |
| 13,500.00                  | 7,070.52            | 13,481.68           | 7,073.65            | 190.95          | 191.39      | -90.29                | -196.19                           | -5,347.24  | 623.67               | 241.33                | 382.34                  | 1.631             |                    |         |
| 13,600.00                  | 7,070.53            | 13,581.68           | 7,073.88            | 193.76          | 194.20      | -90.31                | -196.72                           | -5,447.23  | 624.16               | 236.20                | 387.96                  | 1.609             |                    |         |
| 13,700.00                  | 7,070.54            | 13,681.68           | 7,074.11            | 196.57          | 197.01      | -90.33                | -197.24                           | -5,547.23  | 624.66               | 231.07                | 393.58                  | 1.587             |                    |         |
| 13,800.00                  | 7,070.55            | 13,781.68           | 7,074.34            | 199.38          | 199.82      | -90.35                | -197.77                           | -5,647.23  | 625.15               | 225.94                | 399.21                  | 1.566             |                    |         |
| 13,900.00                  | 7,070.56            | 13,881.68           | 7,074.57            | 202.20          | 202.64      | -90.37                | -198.29                           | -5,747.23  | 625.64               | 220.80                | 404.84                  | 1.545             |                    |         |
| 14,000.00                  | 7,070.57            | 13,981.68           | 7,074.80            | 205.01          | 205.45      | -90.39                | -198.81                           | -5,847.22  | 626.13               | 215.66                | 410.47                  | 1.525             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1 |                |                |                |                 |        |                   |                        |                 |                  |                    |                   |                       | Offset Site Error: | 0.00 ft |
|--|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|-----------------|------------------|--------------------|-------------------|-----------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                |                |                |                 |        |                   |                        |                 |                  |                    |                   |                       | Offset Well Error: | 3.28 ft |
| Reference  |                | Offset         |                | Semi Major Axis |        |                   | Distance               |                 |                  |                    |                   |                       |                    |         |
| Measured Depth   | Vertical Depth | Measured Depth | Vertical Depth | Reference       | Offset | Highside Toolface | Offset Wellbore Centre | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | Warning               |                    |         |
| (ft)   | (ft)           | (ft)           | (ft)           | (ft)            | (ft)   | (°)               | +N/-S (ft)             | +E/-W (ft)      | (ft)             | (ft)               | (ft)              |                       |                    |         |
| 14,100.00  | 7,070.58       | 14,081.68      | 7,075.03       | 207.83          | 208.27 | -90.41            | -199.34                | -5,947.22       | 626.62           | 210.52             | 416.10            | 1.506                 |                    |         |
| 14,200.00  | 7,070.59       | 14,181.67      | 7,075.26       | 210.65          | 211.08 | -90.43            | -199.86                | -6,047.22       | 627.11           | 205.37             | 421.74            | 1.487 Level 3         |                    |         |
| 14,300.00  | 7,070.60       | 14,281.67      | 7,075.49       | 213.47          | 213.90 | -90.45            | -200.39                | -6,147.21       | 627.61           | 200.23             | 427.38            | 1.469 Level 3         |                    |         |
| 14,400.00  | 7,070.60       | 14,381.67      | 7,075.72       | 216.29          | 216.72 | -90.47            | -200.91                | -6,247.21       | 628.10           | 195.08             | 433.02            | 1.451 Level 3         |                    |         |
| 14,500.00  | 7,070.61       | 14,481.67      | 7,075.95       | 219.11          | 219.54 | -90.49            | -201.43                | -6,347.21       | 628.59           | 189.93             | 438.66            | 1.433 Level 3         |                    |         |
| 14,600.00  | 7,070.62       | 14,581.67      | 7,076.18       | 221.94          | 222.36 | -90.51            | -201.96                | -6,447.20       | 629.08           | 184.78             | 444.30            | 1.416 Level 3         |                    |         |
| 14,700.00  | 7,070.63       | 14,681.67      | 7,076.42       | 224.76          | 225.19 | -90.53            | -202.48                | -6,547.20       | 629.57           | 179.63             | 449.95            | 1.399 Level 3         |                    |         |
| 14,800.00  | 7,070.64       | 14,781.67      | 7,076.65       | 227.58          | 228.01 | -90.55            | -203.01                | -6,647.20       | 630.07           | 174.47             | 455.60            | 1.383 Level 3         |                    |         |
| 14,900.00  | 7,070.65       | 14,881.66      | 7,076.88       | 230.41          | 230.83 | -90.57            | -203.53                | -6,747.19       | 630.56           | 169.31             | 461.25            | 1.367 Level 3         |                    |         |
| 15,000.00  | 7,070.66       | 14,981.66      | 7,077.11       | 233.24          | 233.66 | -90.59            | -204.05                | -6,847.19       | 631.05           | 164.16             | 466.90            | 1.352 Level 3         |                    |         |
| 15,100.00  | 7,070.67       | 15,081.66      | 7,077.34       | 236.06          | 236.48 | -90.61            | -204.58                | -6,947.19       | 631.54           | 159.00             | 472.55            | 1.336 Level 3         |                    |         |
| 15,200.00  | 7,070.68       | 15,181.66      | 7,077.57       | 238.89          | 239.31 | -90.62            | -205.10                | -7,047.19       | 632.04           | 153.84             | 478.20            | 1.322 Level 3         |                    |         |
| 15,300.00  | 7,070.68       | 15,281.66      | 7,077.80       | 241.72          | 242.14 | -90.64            | -205.63                | -7,147.18       | 632.53           | 148.67             | 483.86            | 1.307 Level 3         |                    |         |
| 15,400.00  | 7,070.69       | 15,381.66      | 7,078.03       | 244.55          | 244.97 | -90.66            | -206.15                | -7,247.18       | 633.02           | 143.51             | 489.51            | 1.293 Level 3         |                    |         |
| 15,500.00  | 7,070.70       | 15,481.66      | 7,078.26       | 247.38          | 247.80 | -90.68            | -206.67                | -7,347.18       | 633.52           | 138.34             | 495.17            | 1.279 Level 3         |                    |         |
| 15,600.00  | 7,070.71       | 15,581.65      | 7,078.49       | 250.21          | 250.62 | -90.70            | -207.20                | -7,447.17       | 634.01           | 133.18             | 500.83            | 1.266 Level 3         |                    |         |
| 15,700.00  | 7,070.72       | 15,681.65      | 7,078.72       | 253.04          | 253.45 | -90.72            | -207.72                | -7,547.17       | 634.50           | 128.01             | 506.49            | 1.253 Level 3         |                    |         |
| 15,800.00  | 7,070.73       | 15,781.65      | 7,078.95       | 255.87          | 256.29 | -90.74            | -208.25                | -7,647.17       | 635.00           | 122.84             | 512.15            | 1.240 Level 2         |                    |         |
| 15,900.00  | 7,070.74       | 15,881.65      | 7,079.18       | 258.71          | 259.12 | -90.76            | -208.77                | -7,747.16       | 635.49           | 117.67             | 517.81            | 1.227 Level 2         |                    |         |
| 16,000.00  | 7,070.75       | 15,981.65      | 7,079.41       | 261.54          | 261.95 | -90.78            | -209.29                | -7,847.16       | 635.98           | 112.50             | 523.48            | 1.215 Level 2         |                    |         |
| 16,100.00  | 7,070.76       | 16,081.65      | 7,079.64       | 264.37          | 264.78 | -90.80            | -209.82                | -7,947.16       | 636.47           | 107.33             | 529.14            | 1.203 Level 2         |                    |         |
| 16,200.00  | 7,070.76       | 16,181.65      | 7,079.87       | 267.21          | 267.61 | -90.82            | -210.34                | -8,047.15       | 636.97           | 102.16             | 534.81            | 1.191 Level 2         |                    |         |
| 16,300.00  | 7,070.77       | 16,281.64      | 7,080.10       | 270.04          | 270.45 | -90.84            | -210.87                | -8,147.15       | 637.46           | 96.99              | 540.48            | 1.179 Level 2         |                    |         |
| 16,400.00  | 7,070.78       | 16,381.64      | 7,080.33       | 272.88          | 273.28 | -90.86            | -211.39                | -8,247.15       | 637.96           | 91.81              | 546.14            | 1.168 Level 2         |                    |         |
| 16,500.00  | 7,070.79       | 16,481.64      | 7,080.57       | 275.71          | 276.12 | -90.88            | -211.91                | -8,347.15       | 638.45           | 86.64              | 551.81            | 1.157 Level 2         |                    |         |
| 16,600.00  | 7,070.80       | 16,581.64      | 7,080.80       | 278.55          | 278.95 | -90.90            | -212.44                | -8,447.14       | 638.94           | 81.46              | 557.48            | 1.146 Level 2         |                    |         |
| 16,700.00  | 7,070.81       | 16,681.64      | 7,081.03       | 281.39          | 281.79 | -90.92            | -212.96                | -8,547.14       | 639.44           | 76.29              | 563.15            | 1.135 Level 2         |                    |         |
| 16,800.00  | 7,070.82       | 16,781.64      | 7,081.26       | 284.22          | 284.62 | -90.93            | -213.49                | -8,647.14       | 639.93           | 71.11              | 568.82            | 1.125 Level 2         |                    |         |
| 16,900.00  | 7,070.83       | 16,881.64      | 7,081.49       | 287.06          | 287.46 | -90.95            | -214.01                | -8,747.13       | 640.42           | 65.93              | 574.49            | 1.115 Level 2         |                    |         |
| 17,000.00  | 7,070.84       | 16,981.63      | 7,081.72       | 289.90          | 290.30 | -90.97            | -214.53                | -8,847.13       | 640.92           | 60.75              | 580.17            | 1.105 Level 2         |                    |         |
| 17,100.00  | 7,070.84       | 17,081.63      | 7,081.95       | 292.74          | 293.13 | -90.99            | -215.06                | -8,947.13       | 641.41           | 55.57              | 585.84            | 1.095 Level 2         |                    |         |
| 17,200.00  | 7,070.85       | 17,181.63      | 7,082.18       | 295.58          | 295.97 | -91.01            | -215.58                | -9,047.12       | 641.91           | 50.39              | 591.51            | 1.085 Level 2         |                    |         |
| 17,300.00  | 7,070.86       | 17,281.63      | 7,082.41       | 298.42          | 298.81 | -91.03            | -216.11                | -9,147.12       | 642.40           | 45.21              | 597.19            | 1.076 Level 2         |                    |         |
| 17,400.00  | 7,070.87       | 17,381.63      | 7,082.64       | 301.26          | 301.65 | -91.05            | -216.63                | -9,247.12       | 642.89           | 40.03              | 602.86            | 1.066 Level 2         |                    |         |
| 17,500.00  | 7,070.88       | 17,481.63      | 7,082.87       | 304.10          | 304.49 | -91.07            | -217.15                | -9,347.11       | 643.39           | 34.85              | 608.54            | 1.057 Level 2         |                    |         |
| 17,600.00  | 7,070.89       | 17,581.63      | 7,083.10       | 306.94          | 307.32 | -91.09            | -217.68                | -9,447.11       | 643.88           | 29.67              | 614.22            | 1.048 Level 2         |                    |         |
| 17,700.00  | 7,070.90       | 17,681.62      | 7,083.33       | 309.78          | 310.16 | -91.11            | -218.20                | -9,547.11       | 644.38           | 24.48              | 619.89            | 1.039 Level 2         |                    |         |
| 17,800.00  | 7,070.91       | 17,781.62      | 7,083.56       | 312.62          | 313.00 | -91.12            | -218.73                | -9,647.11       | 644.87           | 19.30              | 625.57            | 1.031 Level 2         |                    |         |
| 17,900.00  | 7,070.92       | 17,881.62      | 7,083.79       | 315.46          | 315.84 | -91.14            | -219.25                | -9,747.10       | 645.37           | 14.12              | 631.25            | 1.022 Level 2         |                    |         |
| 18,000.00  | 7,070.92       | 17,981.62      | 7,084.02       | 318.31          | 318.68 | -91.16            | -219.77                | -9,847.10       | 645.86           | 8.93               | 636.93            | 1.014 Level 2         |                    |         |
| 18,100.00  | 7,070.93       | 18,081.62      | 7,084.25       | 321.15          | 321.53 | -91.18            | -220.30                | -9,947.10       | 646.36           | 3.75               | 642.61            | 1.006 Level 2         |                    |         |
| 18,200.00  | 7,070.94       | 18,181.62      | 7,084.48       | 323.99          | 324.37 | -91.20            | -220.82                | -10,047.09      | 646.85           | -1.44              | 648.29            | 0.998 Level 1         |                    |         |
| 18,300.00  | 7,070.95       | 18,281.62      | 7,084.71       | 326.83          | 327.21 | -91.22            | -221.35                | -10,147.09      | 647.35           | -6.62              | 653.97            | 0.990 Level 1         |                    |         |
| 18,400.00  | 7,070.96       | 18,381.61      | 7,084.95       | 329.68          | 330.05 | -91.24            | -221.87                | -10,247.09      | 647.84           | -11.81             | 659.65            | 0.982 Level 1         |                    |         |
| 18,500.00  | 7,070.97       | 18,481.61      | 7,085.18       | 332.52          | 332.89 | -91.26            | -222.39                | -10,347.08      | 648.34           | -17.00             | 665.33            | 0.974 Level 1         |                    |         |
| 18,600.00  | 7,070.98       | 18,581.61      | 7,085.41       | 335.36          | 335.73 | -91.27            | -222.92                | -10,447.08      | 648.83           | -22.18             | 671.02            | 0.967 Level 1         |                    |         |
| 18,700.00  | 7,070.99       | 18,681.61      | 7,085.64       | 338.21          | 338.58 | -91.29            | -223.44                | -10,547.08      | 649.33           | -27.37             | 676.70            | 0.960 Level 1         |                    |         |
| 18,800.00  | 7,070.99       | 18,781.61      | 7,085.87       | 341.05          | 341.42 | -91.31            | -223.97                | -10,647.07      | 649.82           | -32.56             | 682.38            | 0.952 Level 1         |                    |         |
| 18,858.54  | 7,071.00       | 18,840.15      | 7,086.00       | 342.72          | 343.08 | -91.32            | -224.27                | -10,705.61      | 650.11           | -35.59             | 685.71            | 0.948 Level 1, ES, SF |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                       | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.47               | -89.98                            | -0.83      | 89.98                |                       |                         |                   |                    |         |
| 100.00                     | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.47               | -89.98                            | -0.83      | 89.98                | 83.41                 | 6.57                    | 13.697            |                    |         |
| 200.00                     | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.47               | -89.98                            | -0.83      | 89.98                | 83.31                 | 6.67                    | 13.483 CC, ES     |                    |         |
| 300.00                     | 300.00              | 298.44              | 298.42              | 3.44            | 3.44        | 179.60                | -90.83                            | 0.63       | 90.84                | 83.95                 | 6.89                    | 13.191            |                    |         |
| 400.00                     | 399.98              | 396.71              | 396.55              | 3.60            | 3.59        | 105.38                | -93.35                            | 5.01       | 94.00                | 86.80                 | 7.20                    | 13.056            |                    |         |
| 500.00                     | 499.84              | 494.71              | 494.19              | 3.80            | 3.79        | 104.02                | -97.55                            | 12.28      | 99.97                | 92.36                 | 7.61                    | 13.145            |                    |         |
| 600.00                     | 599.45              | 592.34              | 591.12              | 4.04            | 4.02        | 103.05                | -103.39                           | 22.40      | 108.69               | 100.59                | 8.09                    | 13.430            |                    |         |
| 700.00                     | 698.70              | 689.49              | 687.12              | 4.32            | 4.30        | 102.44                | -110.84                           | 35.29      | 120.10               | 111.45                | 8.65                    | 13.883            |                    |         |
| 800.00                     | 797.47              | 786.07              | 781.99              | 4.63            | 4.61        | 102.13                | -119.85                           | 50.90      | 134.16               | 124.89                | 9.27                    | 14.472            |                    |         |
| 900.00                     | 895.62              | 882.45              | 876.03              | 4.97            | 4.95        | 102.04                | -130.41                           | 69.19      | 150.81               | 140.87                | 9.94                    | 15.167            |                    |         |
| 924.00                     | 919.08              | 906.07              | 899.01              | 5.06            | 5.04        | 102.12                | -133.13                           | 73.90      | 155.07               | 144.96                | 10.11                   | 15.333            |                    |         |
| 1,000.00                   | 993.28              | 980.83              | 971.77              | 5.34            | 5.34        | 102.67                | -141.73                           | 88.80      | 168.62               | 157.96                | 10.67                   | 15.807            |                    |         |
| 1,100.00                   | 1,090.92            | 1,079.21            | 1,067.50            | 5.73            | 5.74        | 103.28                | -153.06                           | 108.42     | 186.48               | 175.04                | 11.44                   | 16.305            |                    |         |
| 1,200.00                   | 1,188.56            | 1,177.59            | 1,163.23            | 6.15            | 6.17        | 103.78                | -164.38                           | 128.03     | 204.35               | 192.11                | 12.24                   | 16.693            |                    |         |
| 1,300.00                   | 1,286.19            | 1,275.96            | 1,258.97            | 6.57            | 6.61        | 104.20                | -175.70                           | 147.64     | 222.24               | 209.16                | 13.08                   | 16.995            |                    |         |
| 1,400.00                   | 1,383.83            | 1,374.34            | 1,354.70            | 7.01            | 7.06        | 104.56                | -187.03                           | 167.26     | 240.13               | 226.20                | 13.94                   | 17.232            |                    |         |
| 1,500.00                   | 1,481.47            | 1,472.71            | 1,450.43            | 7.46            | 7.52        | 104.87                | -198.35                           | 186.87     | 258.03               | 243.22                | 14.81                   | 17.419            |                    |         |
| 1,600.00                   | 1,579.10            | 1,571.09            | 1,546.16            | 7.91            | 7.99        | 105.14                | -209.68                           | 206.49     | 275.94               | 260.23                | 15.71                   | 17.566            |                    |         |
| 1,700.00                   | 1,676.74            | 1,669.46            | 1,641.90            | 8.37            | 8.47        | 105.37                | -221.00                           | 226.10     | 293.86               | 277.24                | 16.62                   | 17.683            |                    |         |
| 1,800.00                   | 1,774.38            | 1,767.84            | 1,737.63            | 8.84            | 8.95        | 105.58                | -232.32                           | 245.71     | 311.78               | 294.24                | 17.54                   | 17.776            |                    |         |
| 1,900.00                   | 1,872.02            | 1,866.21            | 1,833.36            | 9.31            | 9.44        | 105.77                | -243.65                           | 265.33     | 329.70               | 311.23                | 18.47                   | 17.850            |                    |         |
| 2,000.00                   | 1,969.65            | 1,964.59            | 1,929.10            | 9.79            | 9.93        | 105.93                | -254.97                           | 284.94     | 347.62               | 328.21                | 19.41                   | 17.910            |                    |         |
| 2,100.00                   | 2,067.29            | 2,062.97            | 2,024.83            | 10.27           | 10.42       | 106.08                | -266.30                           | 304.55     | 365.55               | 345.20                | 20.36                   | 17.958            |                    |         |
| 2,200.00                   | 2,164.93            | 2,161.34            | 2,120.56            | 10.75           | 10.92       | 106.22                | -277.62                           | 324.17     | 383.48               | 362.17                | 21.31                   | 17.996            |                    |         |
| 2,300.00                   | 2,262.56            | 2,259.72            | 2,216.30            | 11.24           | 11.42       | 106.34                | -288.94                           | 343.78     | 401.41               | 379.15                | 22.27                   | 18.027            |                    |         |
| 2,400.00                   | 2,360.20            | 2,358.09            | 2,312.03            | 11.73           | 11.92       | 106.46                | -300.27                           | 363.40     | 419.35               | 396.12                | 23.23                   | 18.051            |                    |         |
| 2,500.00                   | 2,457.84            | 2,456.47            | 2,407.76            | 12.22           | 12.42       | 106.56                | -311.59                           | 383.01     | 437.28               | 413.08                | 24.20                   | 18.070            |                    |         |
| 2,600.00                   | 2,555.48            | 2,554.84            | 2,503.50            | 12.71           | 12.93       | 106.66                | -322.92                           | 402.62     | 455.22               | 430.05                | 25.17                   | 18.086            |                    |         |
| 2,700.00                   | 2,653.11            | 2,653.22            | 2,599.23            | 13.20           | 13.44       | 106.75                | -334.24                           | 422.24     | 473.16               | 447.01                | 26.14                   | 18.097            |                    |         |
| 2,800.00                   | 2,750.75            | 2,751.59            | 2,694.96            | 13.70           | 13.94       | 106.83                | -345.56                           | 441.85     | 491.09               | 463.97                | 27.12                   | 18.106            |                    |         |
| 2,900.00                   | 2,848.39            | 2,849.69            | 2,790.69            | 14.19           | 14.45       | 106.91                | -356.89                           | 461.46     | 509.03               | 480.93                | 28.10                   | 18.113            |                    |         |
| 3,000.00                   | 2,946.02            | 2,948.35            | 2,886.43            | 14.69           | 14.97       | 106.98                | -368.21                           | 481.08     | 526.97               | 497.89                | 29.09                   | 18.118            |                    |         |
| 3,100.00                   | 3,043.66            | 3,046.72            | 2,982.16            | 15.19           | 15.48       | 107.04                | -379.54                           | 500.69     | 544.91               | 514.84                | 30.07                   | 18.121            |                    |         |
| 3,200.00                   | 3,141.30            | 3,145.10            | 3,077.89            | 15.69           | 15.99       | 107.11                | -390.86                           | 520.30     | 562.86               | 531.80                | 31.06                   | 18.123            |                    |         |
| 3,300.00                   | 3,238.94            | 3,243.47            | 3,173.63            | 16.19           | 16.51       | 107.16                | -402.18                           | 539.92     | 580.80               | 548.75                | 32.05                   | 18.124            |                    |         |
| 3,400.00                   | 3,336.57            | 3,341.85            | 3,269.36            | 16.69           | 17.02       | 107.22                | -413.51                           | 559.53     | 598.74               | 565.70                | 33.04                   | 18.123            |                    |         |
| 3,500.00                   | 3,434.21            | 3,440.22            | 3,365.09            | 17.19           | 17.54       | 107.27                | -424.83                           | 579.15     | 616.68               | 582.65                | 34.03                   | 18.123            |                    |         |
| 3,600.00                   | 3,531.85            | 3,538.60            | 3,460.83            | 17.69           | 18.05       | 107.32                | -436.16                           | 598.76     | 634.63               | 599.61                | 35.02                   | 18.121            |                    |         |
| 3,700.00                   | 3,629.48            | 3,636.97            | 3,556.56            | 18.20           | 18.57       | 107.37                | -447.48                           | 618.37     | 652.57               | 616.55                | 36.02                   | 18.119            |                    |         |
| 3,800.00                   | 3,727.12            | 3,735.35            | 3,652.29            | 18.70           | 19.08       | 107.41                | -458.80                           | 637.99     | 670.52               | 633.50                | 37.01                   | 18.116            |                    |         |
| 3,900.00                   | 3,824.76            | 3,833.73            | 3,748.03            | 19.21           | 19.60       | 107.45                | -470.13                           | 657.60     | 688.46               | 650.45                | 38.01                   | 18.113            |                    |         |
| 4,000.00                   | 3,922.40            | 3,932.10            | 3,843.76            | 19.71           | 20.12       | 107.49                | -481.45                           | 677.21     | 706.41               | 667.40                | 39.01                   | 18.110            |                    |         |
| 4,100.00                   | 4,020.03            | 4,030.48            | 3,939.49            | 20.21           | 20.64       | 107.53                | -492.78                           | 696.83     | 724.35               | 684.35                | 40.00                   | 18.107            |                    |         |
| 4,200.00                   | 4,117.67            | 4,128.85            | 4,035.22            | 20.72           | 21.16       | 107.56                | -504.10                           | 716.44     | 742.30               | 701.29                | 41.00                   | 18.103            |                    |         |
| 4,300.00                   | 4,215.31            | 4,227.23            | 4,130.96            | 21.23           | 21.68       | 107.60                | -515.42                           | 736.06     | 760.24               | 718.24                | 42.00                   | 18.099            |                    |         |
| 4,400.00                   | 4,312.94            | 4,325.60            | 4,226.69            | 21.73           | 22.20       | 107.63                | -526.75                           | 755.67     | 778.19               | 735.18                | 43.00                   | 18.096            |                    |         |
| 4,500.00                   | 4,410.58            | 4,423.98            | 4,322.42            | 22.24           | 22.72       | 107.66                | -538.07                           | 775.28     | 796.14               | 752.13                | 44.01                   | 18.092            |                    |         |
| 4,600.00                   | 4,508.22            | 4,522.35            | 4,418.16            | 22.75           | 23.24       | 107.69                | -549.40                           | 794.90     | 814.08               | 769.07                | 45.01                   | 18.088            |                    |         |
| 4,700.00                   | 4,605.86            | 4,620.73            | 4,513.89            | 23.25           | 23.76       | 107.72                | -560.72                           | 814.51     | 832.03               | 786.02                | 46.01                   | 18.083            |                    |         |
| 4,800.00                   | 4,703.49            | 4,719.11            | 4,609.62            | 23.76           | 24.28       | 107.74                | -572.04                           | 834.12     | 849.98               | 802.96                | 47.01                   | 18.079            |                    |         |
| 4,900.00                   | 4,801.13            | 4,817.48            | 4,705.36            | 24.27           | 24.80       | 107.77                | -583.37                           | 853.74     | 867.92               | 819.91                | 48.02                   | 18.075            |                    |         |
| 5,000.00                   | 4,898.77            | 4,915.86            | 4,801.09            | 24.77           | 25.32       | 107.80                | -594.69                           | 873.35     | 885.87               | 836.85                | 49.02                   | 18.071            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 5,014.23            | 4,896.82            | 25.28           | 25.84       | 107.82                | -606.02                           | 892.97     | 903.82               | 853.79                | 50.03                   | 18.067            |                    |         |
| 5,200.00                   | 5,094.04            | 5,112.61            | 4,992.56            | 25.79           | 26.36       | 107.84                | -617.34                           | 912.58     | 921.77               | 870.73                | 51.03                   | 18.063            |                    |         |
| 5,300.00                   | 5,191.68            | 5,210.98            | 5,088.29            | 26.30           | 26.88       | 107.86                | -628.66                           | 932.19     | 939.71               | 887.68                | 52.04                   | 18.058            |                    |         |
| 5,400.00                   | 5,289.32            | 5,309.36            | 5,184.02            | 26.81           | 27.41       | 107.89                | -639.99                           | 951.81     | 957.66               | 904.62                | 53.04                   | 18.054            |                    |         |
| 5,500.00                   | 5,386.95            | 5,407.73            | 5,279.75            | 27.32           | 27.93       | 107.91                | -651.31                           | 971.42     | 975.61               | 921.56                | 54.05                   | 18.050            |                    |         |
| 5,600.00                   | 5,484.59            | 5,506.11            | 5,375.49            | 27.83           | 28.45       | 107.93                | -662.64                           | 991.03     | 993.56               | 938.50                | 55.06                   | 18.046            |                    |         |
| 5,700.00                   | 5,582.23            | 5,604.49            | 5,471.22            | 28.33           | 28.97       | 107.94                | -673.96                           | 1,010.65   | 1,011.51             | 955.44                | 56.06                   | 18.042            |                    |         |
| 5,800.00                   | 5,679.87            | 5,702.86            | 5,566.95            | 28.84           | 29.50       | 107.96                | -685.28                           | 1,030.26   | 1,029.45             | 972.38                | 57.07                   | 18.038            |                    |         |
| 5,900.00                   | 5,777.50            | 5,801.24            | 5,662.69            | 29.35           | 30.02       | 107.98                | -696.61                           | 1,049.88   | 1,047.40             | 989.32                | 58.08                   | 18.034            |                    |         |
| 6,000.00                   | 5,875.14            | 5,900.39            | 5,758.42            | 29.86           | 30.55       | 108.00                | -707.93                           | 1,069.49   | 1,065.35             | 1,006.26              | 59.09                   | 18.029            |                    |         |
| 6,100.00                   | 5,972.78            | 6,002.01            | 5,854.15            | 30.37           | 31.09       | 108.01                | -719.26                           | 1,089.10   | 1,083.30             | 1,023.18              | 60.12                   | 18.020            |                    |         |
| 6,200.00                   | 6,070.41            | 6,103.64            | 5,949.89            | 30.88           | 31.63       | 108.03                | -730.58                           | 1,108.72   | 1,101.25             | 1,040.11              | 61.14                   | 18.012            |                    |         |
| 6,300.00                   | 6,168.05            | 6,205.26            | 6,045.62            | 31.39           | 32.17       | 108.05                | -741.90                           | 1,128.33   | 1,119.20             | 1,057.03              | 62.17                   | 18.003            |                    |         |
| 6,400.00                   | 6,265.69            | 6,306.89            | 6,141.35            | 31.90           | 32.71       | 108.06                | -753.23                           | 1,147.94   | 1,137.15             | 1,073.95              | 63.19                   | 17.995            |                    |         |
| 6,439.09                   | 6,303.85            | 6,331.57            | 6,178.77            | 32.10           | 32.84       | 108.07                | -757.65                           | 1,155.61   | 1,144.16             | 1,080.65              | 63.51                   | 18.014            |                    |         |
| 6,450.00                   | 6,314.53            | 6,342.30            | 6,189.22            | 32.16           | 32.90       | 109.72                | -758.89                           | 1,157.75   | 1,146.12             | 1,082.50              | 63.62                   | 18.014            |                    |         |
| 6,500.00                   | 6,363.83            | 6,408.59            | 6,237.01            | 32.39           | 33.25       | 121.81                | -764.54                           | 1,167.54   | 1,155.07             | 1,090.88              | 64.19                   | 17.994            |                    |         |
| 6,550.00                   | 6,413.58            | 6,440.16            | 6,284.45            | 32.60           | 33.42       | 154.88                | -770.15                           | 1,177.26   | 1,163.98             | 1,099.43              | 64.55                   | 18.032            |                    |         |
| 6,600.00                   | 6,463.45            | 6,488.26            | 6,331.25            | 32.79           | 33.67       | -143.98               | -775.69                           | 1,186.85   | 1,172.84             | 1,107.87              | 64.96                   | 18.054            |                    |         |
| 6,650.00                   | 6,513.15            | 6,536.32            | 6,378.06            | 32.97           | 33.92       | -116.33               | -781.22                           | 1,196.25   | 1,181.70             | 1,116.34              | 65.36                   | 18.079            |                    |         |
| 6,700.00                   | 6,562.37            | 6,586.89            | 6,427.82            | 33.15           | 34.17       | -106.27               | -786.96                           | 1,203.14   | 1,190.51             | 1,124.74              | 65.77                   | 18.101            |                    |         |
| 6,750.00                   | 6,610.80            | 6,638.86            | 6,479.36            | 33.34           | 34.39       | -101.40               | -792.73                           | 1,206.06   | 1,199.20             | 1,133.03              | 66.17                   | 18.122            |                    |         |
| 6,800.00                   | 6,658.14            | 6,692.32            | 6,532.48            | 33.53           | 34.58       | -98.59                | -798.48                           | 1,204.64   | 1,207.70             | 1,141.12              | 66.58                   | 18.139            |                    |         |
| 6,850.00                   | 6,704.11            | 6,747.40            | 6,586.90            | 33.74           | 34.75       | -96.79                | -804.16                           | 1,198.51   | 1,215.95             | 1,148.95              | 67.00                   | 18.149            |                    |         |
| 6,900.00                   | 6,748.42            | 6,804.19            | 6,642.27            | 33.97           | 34.93       | -95.57                | -809.73                           | 1,187.26   | 1,223.87             | 1,156.42              | 67.45                   | 18.146            |                    |         |
| 6,950.00                   | 6,790.79            | 6,862.78            | 6,698.14            | 34.21           | 35.12       | -94.70                | -815.11                           | 1,170.52   | 1,231.41             | 1,163.47              | 67.93                   | 18.127            |                    |         |
| 7,000.00                   | 6,830.97            | 6,923.23            | 6,753.95            | 34.48           | 35.32       | -94.08                | -820.24                           | 1,147.91   | 1,238.48             | 1,170.02              | 68.46                   | 18.090            |                    |         |
| 7,050.00                   | 6,868.71            | 6,985.59            | 6,809.04            | 34.77           | 35.56       | -93.62                | -825.02                           | 1,119.14   | 1,245.01             | 1,175.97              | 69.04                   | 18.034            |                    |         |
| 7,100.00                   | 6,903.77            | 7,049.85            | 6,862.62            | 35.09           | 35.82       | -93.29                | -829.35                           | 1,084.00   | 1,250.92             | 1,181.24              | 69.68                   | 17.953            |                    |         |
| 7,150.00                   | 6,935.93            | 7,115.94            | 6,913.80            | 35.44           | 36.14       | -93.05                | -833.14                           | 1,042.39   | 1,256.14             | 1,185.75              | 70.39                   | 17.845            |                    |         |
| 7,200.00                   | 6,965.01            | 7,183.75            | 6,961.58            | 35.83           | 36.51       | -92.88                | -836.29                           | 994.43     | 1,260.60             | 1,189.40              | 71.20                   | 17.704            |                    |         |
| 7,250.00                   | 6,990.82            | 7,253.10            | 7,004.94            | 36.26           | 36.95       | -92.76                | -838.69                           | 940.40     | 1,264.23             | 1,192.11              | 72.12                   | 17.530            |                    |         |
| 7,300.00                   | 7,013.20            | 7,323.74            | 7,042.86            | 36.72           | 37.47       | -92.66                | -840.25                           | 880.86     | 1,266.98             | 1,193.81              | 73.17                   | 17.315            |                    |         |
| 7,350.00                   | 7,032.02            | 7,395.36            | 7,074.38            | 37.23           | 38.08       | -92.59                | -840.91                           | 816.59     | 1,268.80             | 1,194.45              | 74.35                   | 17.065            |                    |         |
| 7,400.00                   | 7,047.15            | 7,467.60            | 7,098.72            | 37.77           | 38.78       | -92.53                | -840.62                           | 748.62     | 1,269.66             | 1,193.98              | 75.68                   | 16.777            |                    |         |
| 7,450.00                   | 7,058.51            | 7,540.05            | 7,115.29            | 38.34           | 39.55       | -92.48                | -839.37                           | 678.14     | 1,269.54             | 1,192.42              | 77.13                   | 16.461            |                    |         |
| 7,500.00                   | 7,066.02            | 7,612.31            | 7,123.79            | 38.95           | 40.39       | -92.42                | -837.19                           | 606.45     | 1,268.45             | 1,189.78              | 78.67                   | 16.124            |                    |         |
| 7,550.00                   | 7,069.64            | 7,673.78            | 7,125.05            | 39.58           | 41.15       | -92.43                | -834.66                           | 545.06     | 1,266.49             | 1,186.36              | 80.13                   | 15.806            |                    |         |
| 7,571.20                   | 7,070.00            | 7,705.05            | 7,125.10            | 39.85           | 41.55       | -92.50                | -833.75                           | 523.91     | 1,265.58             | 1,184.75              | 80.82                   | 15.659            |                    |         |
| 7,600.00                   | 7,070.00            | 7,723.73            | 7,125.17            | 40.23           | 41.81       | -92.50                | -832.51                           | 495.16     | 1,264.33             | 1,182.86              | 81.47                   | 15.518            |                    |         |
| 7,700.00                   | 7,070.01            | 7,823.64            | 7,125.41            | 41.64           | 43.24       | -92.52                | -828.20                           | 395.35     | 1,260.00             | 1,175.63              | 84.37                   | 14.934            |                    |         |
| 7,800.00                   | 7,070.02            | 7,923.54            | 7,125.65            | 43.20           | 44.82       | -92.54                | -823.89                           | 295.53     | 1,255.67             | 1,168.12              | 87.55                   | 14.343            |                    |         |
| 7,900.00                   | 7,070.03            | 8,023.45            | 7,125.89            | 44.89           | 46.52       | -92.56                | -819.58                           | 195.72     | 1,251.34             | 1,160.36              | 90.97                   | 13.755            |                    |         |
| 8,000.00                   | 7,070.04            | 8,123.35            | 7,126.13            | 46.69           | 48.34       | -92.58                | -815.27                           | 95.91      | 1,247.00             | 1,152.38              | 94.62                   | 13.179            |                    |         |
| 8,100.00                   | 7,070.05            | 8,223.26            | 7,126.37            | 48.60           | 50.26       | -92.60                | -810.97                           | -3.90      | 1,242.67             | 1,144.20              | 98.47                   | 12.620            |                    |         |
| 8,200.00                   | 7,070.05            | 8,323.16            | 7,126.61            | 50.59           | 52.27       | -92.62                | -806.66                           | -103.72    | 1,238.34             | 1,135.85              | 102.49                  | 12.083            |                    |         |
| 8,300.00                   | 7,070.06            | 8,423.07            | 7,126.85            | 52.66           | 54.35       | -92.64                | -802.35                           | -203.53    | 1,234.01             | 1,127.35              | 106.67                  | 11.569            |                    |         |
| 8,400.00                   | 7,070.07            | 8,522.97            | 7,127.09            | 54.81           | 56.51       | -92.66                | -798.04                           | -303.34    | 1,229.68             | 1,118.70              | 110.98                  | 11.080            |                    |         |
| 8,500.00                   | 7,070.08            | 8,622.88            | 7,127.33            | 57.02           | 58.73       | -92.68                | -793.74                           | -403.15    | 1,225.35             | 1,109.94              | 115.42                  | 10.617            |                    |         |
| 8,600.00                   | 7,070.09            | 8,712.81            | 7,127.55            | 59.28           | 60.78       | -92.70                | -789.96                           | -493.00    | 1,221.16             | 1,101.44              | 119.72                  | 10.200            |                    |         |
| 8,700.00                   | 7,070.10            | 8,782.95            | 7,127.71            | 61.60           | 62.39       | -92.71                | -788.36                           | -563.12    | 1,218.87             | 1,095.27              | 123.60                  | 9.861             |                    |         |
| 8,743.66                   | 7,070.10            | 8,813.59            | 7,127.79            | 62.63           | 63.10       | -92.71                | -788.21                           | -593.76    | 1,218.64             | 1,093.33              | 125.30                  | 9.726             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00   | 7,070.11            | 8,858.25            | 7,127.90            | 63.95           | 64.14       | -92.72                | -788.51                           | -638.42    | 1,218.99             | 1,091.36              | 127.63                  | 9.551             |                    |         |
| 8,900.00   | 7,070.12            | 8,958.24            | 7,128.13            | 66.35           | 66.50       | -92.73                | -789.49                           | -738.41    | 1,219.95             | 1,087.54              | 132.41                  | 9.214             |                    |         |
| 9,000.00   | 7,070.13            | 9,058.24            | 7,128.37            | 68.79           | 68.90       | -92.73                | -790.48                           | -838.40    | 1,220.90             | 1,083.66              | 137.25                  | 8.896             |                    |         |
| 9,100.00   | 7,070.13            | 9,158.24            | 7,128.61            | 71.25           | 71.33       | -92.74                | -791.46                           | -938.39    | 1,221.86             | 1,079.71              | 142.15                  | 8.595             |                    |         |
| 9,200.00   | 7,070.14            | 9,258.23            | 7,128.85            | 73.74           | 73.80       | -92.75                | -792.44                           | -1,038.38  | 1,222.82             | 1,075.70              | 147.12                  | 8.312             |                    |         |
| 9,300.00   | 7,070.15            | 9,358.23            | 7,129.09            | 76.26           | 76.29       | -92.76                | -793.42                           | -1,138.37  | 1,223.78             | 1,071.64              | 152.14                  | 8.044             |                    |         |
| 9,400.00   | 7,070.16            | 9,458.22            | 7,129.33            | 78.80           | 78.80       | -92.77                | -794.40                           | -1,238.36  | 1,224.74             | 1,067.53              | 157.20                  | 7.791             |                    |         |
| 9,500.00   | 7,070.17            | 9,558.22            | 7,129.57            | 81.37           | 81.34       | -92.78                | -795.38                           | -1,338.35  | 1,225.70             | 1,063.39              | 162.31                  | 7.552             |                    |         |
| 9,600.00   | 7,070.18            | 9,658.21            | 7,129.81            | 83.95           | 83.90       | -92.79                | -796.37                           | -1,438.34  | 1,226.65             | 1,059.20              | 167.46                  | 7.325             |                    |         |
| 9,700.00   | 7,070.19            | 9,758.21            | 7,130.05            | 86.55           | 86.48       | -92.80                | -797.35                           | -1,538.33  | 1,227.61             | 1,054.97              | 172.64                  | 7.111             |                    |         |
| 9,800.00   | 7,070.20            | 9,858.20            | 7,130.29            | 89.17           | 89.07       | -92.80                | -798.33                           | -1,638.32  | 1,228.57             | 1,050.72              | 177.85                  | 6.908             |                    |         |
| 9,900.00   | 7,070.21            | 9,958.20            | 7,130.53            | 91.80           | 91.69       | -92.81                | -799.31                           | -1,738.31  | 1,229.53             | 1,046.43              | 183.10                  | 6.715             |                    |         |
| 10,000.00  | 7,070.21            | 10,058.19           | 7,130.77            | 94.44           | 94.31       | -92.82                | -800.29                           | -1,838.30  | 1,230.49             | 1,042.12              | 188.37                  | 6.532             |                    |         |
| 10,100.00  | 7,070.22            | 10,158.19           | 7,131.01            | 97.10           | 96.95       | -92.83                | -801.28                           | -1,938.29  | 1,231.44             | 1,037.78              | 193.66                  | 6.359             |                    |         |
| 10,200.00  | 7,070.23            | 10,258.18           | 7,131.25            | 99.77           | 99.60       | -92.84                | -802.26                           | -2,038.28  | 1,232.40             | 1,033.42              | 198.98                  | 6.194             |                    |         |
| 10,300.00  | 7,070.24            | 10,358.18           | 7,131.49            | 102.44          | 102.26      | -92.85                | -803.24                           | -2,138.27  | 1,233.36             | 1,029.04              | 204.32                  | 6.036             |                    |         |
| 10,400.00  | 7,070.25            | 10,458.17           | 7,131.73            | 105.13          | 104.94      | -92.86                | -804.22                           | -2,238.26  | 1,234.32             | 1,024.64              | 209.68                  | 5.887             |                    |         |
| 10,500.00  | 7,070.26            | 10,558.17           | 7,131.97            | 107.83          | 107.62      | -92.86                | -805.20                           | -2,338.25  | 1,235.28             | 1,020.22              | 215.06                  | 5.744             |                    |         |
| 10,600.00  | 7,070.27            | 10,658.16           | 7,132.21            | 110.53          | 110.31      | -92.87                | -806.18                           | -2,438.24  | 1,236.24             | 1,015.79              | 220.45                  | 5.608             |                    |         |
| 10,700.00  | 7,070.28            | 10,758.16           | 7,132.45            | 113.24          | 113.01      | -92.88                | -807.17                           | -2,538.23  | 1,237.20             | 1,011.34              | 225.86                  | 5.478             |                    |         |
| 10,800.00  | 7,070.28            | 10,858.15           | 7,132.69            | 115.96          | 115.72      | -92.89                | -808.15                           | -2,638.22  | 1,238.15             | 1,006.87              | 231.28                  | 5.353             |                    |         |
| 10,900.00  | 7,070.29            | 10,958.15           | 7,132.93            | 118.69          | 118.43      | -92.90                | -809.13                           | -2,738.21  | 1,239.11             | 1,002.39              | 236.72                  | 5.235             |                    |         |
| 11,000.00  | 7,070.30            | 11,058.14           | 7,133.17            | 121.42          | 121.15      | -92.91                | -810.11                           | -2,838.20  | 1,240.07             | 997.90                | 242.17                  | 5.121             |                    |         |
| 11,100.00  | 7,070.31            | 11,158.14           | 7,133.40            | 124.16          | 123.88      | -92.91                | -811.09                           | -2,938.19  | 1,241.03             | 993.40                | 247.63                  | 5.012             |                    |         |
| 11,200.00  | 7,070.32            | 11,258.14           | 7,133.64            | 126.90          | 126.61      | -92.92                | -812.08                           | -3,038.18  | 1,241.99             | 988.89                | 253.10                  | 4.907             |                    |         |
| 11,300.00  | 7,070.33            | 11,358.13           | 7,133.88            | 129.65          | 129.35      | -92.93                | -813.06                           | -3,138.17  | 1,242.95             | 984.36                | 258.58                  | 4.807             |                    |         |
| 11,400.00  | 7,070.34            | 11,458.13           | 7,134.12            | 132.40          | 132.09      | -92.94                | -814.04                           | -3,238.16  | 1,243.91             | 979.83                | 264.08                  | 4.710             |                    |         |
| 11,500.00  | 7,070.35            | 11,558.12           | 7,134.36            | 135.16          | 134.84      | -92.95                | -815.02                           | -3,338.15  | 1,244.87             | 975.29                | 269.58                  | 4.618             |                    |         |
| 11,600.00  | 7,070.36            | 11,658.12           | 7,134.60            | 137.92          | 137.59      | -92.96                | -816.00                           | -3,438.14  | 1,245.82             | 970.74                | 275.09                  | 4.529             |                    |         |
| 11,700.00  | 7,070.36            | 11,758.11           | 7,134.84            | 140.69          | 140.35      | -92.96                | -816.98                           | -3,538.13  | 1,246.78             | 966.18                | 280.60                  | 4.443             |                    |         |
| 11,800.00  | 7,070.37            | 11,858.11           | 7,135.08            | 143.46          | 143.11      | -92.97                | -817.97                           | -3,638.12  | 1,247.74             | 961.62                | 286.13                  | 4.361             |                    |         |
| 11,900.00  | 7,070.38            | 11,958.10           | 7,135.32            | 146.23          | 145.88      | -92.98                | -818.95                           | -3,738.11  | 1,248.70             | 957.04                | 291.66                  | 4.281             |                    |         |
| 12,000.00  | 7,070.39            | 12,058.10           | 7,135.56            | 149.01          | 148.64      | -92.99                | -819.93                           | -3,838.10  | 1,249.66             | 952.46                | 297.20                  | 4.205             |                    |         |
| 12,100.00  | 7,070.40            | 12,158.09           | 7,135.80            | 151.79          | 151.41      | -93.00                | -820.91                           | -3,938.09  | 1,250.62             | 947.88                | 302.74                  | 4.131             |                    |         |
| 12,200.00  | 7,070.41            | 12,258.09           | 7,136.04            | 154.57          | 154.19      | -93.01                | -821.89                           | -4,038.08  | 1,251.58             | 943.29                | 308.29                  | 4.060             |                    |         |
| 12,300.00  | 7,070.42            | 12,358.08           | 7,136.28            | 157.35          | 156.97      | -93.01                | -822.88                           | -4,138.07  | 1,252.54             | 938.69                | 313.85                  | 3.991             |                    |         |
| 12,400.00  | 7,070.43            | 12,458.08           | 7,136.52            | 160.14          | 159.75      | -93.02                | -823.86                           | -4,238.06  | 1,253.50             | 934.09                | 319.41                  | 3.924             |                    |         |
| 12,500.00  | 7,070.44            | 12,558.07           | 7,136.76            | 162.93          | 162.53      | -93.03                | -824.84                           | -4,338.05  | 1,254.45             | 929.48                | 324.97                  | 3.860             |                    |         |
| 12,600.00  | 7,070.44            | 12,658.07           | 7,137.00            | 165.72          | 165.31      | -93.04                | -825.82                           | -4,438.04  | 1,255.41             | 924.87                | 330.55                  | 3.798             |                    |         |
| 12,700.00  | 7,070.45            | 12,758.06           | 7,137.24            | 168.52          | 168.10      | -93.05                | -826.80                           | -4,538.03  | 1,256.37             | 920.25                | 336.12                  | 3.738             |                    |         |
| 12,800.00  | 7,070.46            | 12,858.06           | 7,137.48            | 171.32          | 170.89      | -93.06                | -827.78                           | -4,638.02  | 1,257.33             | 915.63                | 341.70                  | 3.680             |                    |         |
| 12,900.00  | 7,070.47            | 12,958.05           | 7,137.72            | 174.11          | 173.68      | -93.06                | -828.77                           | -4,738.02  | 1,258.29             | 911.01                | 347.28                  | 3.623             |                    |         |
| 13,000.00  | 7,070.48            | 13,058.05           | 7,137.96            | 176.92          | 176.48      | -93.07                | -829.75                           | -4,838.01  | 1,259.25             | 906.38                | 352.87                  | 3.569             |                    |         |
| 13,100.00  | 7,070.49            | 13,158.04           | 7,138.20            | 179.72          | 179.27      | -93.08                | -830.73                           | -4,938.00  | 1,260.21             | 901.75                | 358.46                  | 3.516             |                    |         |
| 13,200.00  | 7,070.50            | 13,258.04           | 7,138.44            | 182.52          | 182.07      | -93.09                | -831.71                           | -5,037.99  | 1,261.17             | 897.11                | 364.06                  | 3.464             |                    |         |
| 13,300.00  | 7,070.51            | 13,358.04           | 7,138.68            | 185.33          | 184.87      | -93.10                | -832.69                           | -5,137.98  | 1,262.13             | 892.47                | 369.66                  | 3.414             |                    |         |
| 13,400.00  | 7,070.52            | 13,458.03           | 7,138.91            | 188.14          | 187.67      | -93.10                | -833.68                           | -5,237.97  | 1,263.09             | 887.83                | 375.26                  | 3.366             |                    |         |
| 13,500.00  | 7,070.52            | 13,558.03           | 7,139.15            | 190.95          | 190.48      | -93.11                | -834.66                           | -5,337.96  | 1,264.05             | 883.18                | 380.86                  | 3.319             |                    |         |
| 13,600.00  | 7,070.53            | 13,658.02           | 7,139.39            | 193.76          | 193.28      | -93.12                | -835.64                           | -5,437.95  | 1,265.01             | 878.53                | 386.47                  | 3.273             |                    |         |
| 13,700.00  | 7,070.54            | 13,758.02           | 7,139.63            | 196.57          | 196.09      | -93.13                | -836.62                           | -5,537.94  | 1,265.96             | 873.88                | 392.08                  | 3.229             |                    |         |
| 13,800.00  | 7,070.55            | 13,858.01           | 7,139.87            | 199.38          | 198.90      | -93.14                | -837.60                           | -5,637.93  | 1,266.92             | 869.23                | 397.70                  | 3.186             |                    |         |
| 13,900.00  | 7,070.56            | 13,958.01           | 7,140.11            | 202.20          | 201.71      | -93.14                | -838.58                           | -5,737.92  | 1,267.88             | 864.57                | 403.31                  | 3.144             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                  | 7,070.57            | 14,058.00           | 7,140.35            | 205.01          | 204.52      | -93.15                | -839.57                           | -5,837.91  | 1,268.84             | 859.91                | 408.93                  | 3.103             |                    |         |
| 14,100.00                  | 7,070.58            | 14,158.00           | 7,140.59            | 207.83          | 207.33      | -93.16                | -840.55                           | -5,937.90  | 1,269.80             | 855.25                | 414.55                  | 3.063             |                    |         |
| 14,200.00                  | 7,070.59            | 14,257.99           | 7,140.83            | 210.65          | 210.14      | -93.17                | -841.53                           | -6,037.89  | 1,270.76             | 850.59                | 420.17                  | 3.024             |                    |         |
| 14,300.00                  | 7,070.60            | 14,357.99           | 7,141.07            | 213.47          | 212.96      | -93.18                | -842.51                           | -6,137.88  | 1,271.72             | 845.92                | 425.80                  | 2.987             |                    |         |
| 14,400.00                  | 7,070.60            | 14,457.98           | 7,141.31            | 216.29          | 215.77      | -93.18                | -843.49                           | -6,237.87  | 1,272.68             | 841.26                | 431.42                  | 2.950             |                    |         |
| 14,500.00                  | 7,070.61            | 14,557.98           | 7,141.55            | 219.11          | 218.59      | -93.19                | -844.48                           | -6,337.86  | 1,273.64             | 836.59                | 437.05                  | 2.914             |                    |         |
| 14,600.00                  | 7,070.62            | 14,657.97           | 7,141.79            | 221.94          | 221.40      | -93.20                | -845.46                           | -6,437.85  | 1,274.60             | 831.92                | 442.68                  | 2.879             |                    |         |
| 14,700.00                  | 7,070.63            | 14,757.97           | 7,142.03            | 224.76          | 224.22      | -93.21                | -846.44                           | -6,537.84  | 1,275.56             | 827.24                | 448.32                  | 2.845             |                    |         |
| 14,800.00                  | 7,070.64            | 14,857.96           | 7,142.27            | 227.58          | 227.04      | -93.22                | -847.42                           | -6,637.83  | 1,276.52             | 822.57                | 453.95                  | 2.812             |                    |         |
| 14,900.00                  | 7,070.65            | 14,957.96           | 7,142.51            | 230.41          | 229.86      | -93.22                | -848.40                           | -6,737.82  | 1,277.48             | 817.89                | 459.59                  | 2.780             |                    |         |
| 15,000.00                  | 7,070.66            | 15,057.95           | 7,142.75            | 233.24          | 232.68      | -93.23                | -849.38                           | -6,837.81  | 1,278.44             | 813.21                | 465.23                  | 2.748             |                    |         |
| 15,100.00                  | 7,070.67            | 15,157.95           | 7,142.99            | 236.06          | 235.51      | -93.24                | -850.37                           | -6,937.80  | 1,279.40             | 808.53                | 470.87                  | 2.717             |                    |         |
| 15,200.00                  | 7,070.68            | 15,257.94           | 7,143.23            | 238.89          | 238.33      | -93.25                | -851.35                           | -7,037.79  | 1,280.36             | 803.85                | 476.51                  | 2.687             |                    |         |
| 15,300.00                  | 7,070.68            | 15,357.94           | 7,143.47            | 241.72          | 241.15      | -93.26                | -852.33                           | -7,137.78  | 1,281.32             | 799.17                | 482.15                  | 2.658             |                    |         |
| 15,400.00                  | 7,070.69            | 15,457.94           | 7,143.71            | 244.55          | 243.98      | -93.26                | -853.31                           | -7,237.77  | 1,282.28             | 794.49                | 487.79                  | 2.629             |                    |         |
| 15,500.00                  | 7,070.70            | 15,557.93           | 7,143.95            | 247.38          | 246.80      | -93.27                | -854.29                           | -7,337.76  | 1,283.24             | 789.80                | 493.44                  | 2.601             |                    |         |
| 15,600.00                  | 7,070.71            | 15,657.93           | 7,144.18            | 250.21          | 249.63      | -93.28                | -855.28                           | -7,437.75  | 1,284.20             | 785.11                | 499.08                  | 2.573             |                    |         |
| 15,700.00                  | 7,070.72            | 15,757.92           | 7,144.42            | 253.04          | 252.46      | -93.29                | -856.26                           | -7,537.74  | 1,285.16             | 780.43                | 504.73                  | 2.546             |                    |         |
| 15,800.00                  | 7,070.73            | 15,857.92           | 7,144.66            | 255.87          | 255.28      | -93.30                | -857.24                           | -7,637.73  | 1,286.12             | 775.74                | 510.38                  | 2.520             |                    |         |
| 15,900.00                  | 7,070.74            | 15,957.91           | 7,144.90            | 258.71          | 258.11      | -93.30                | -858.22                           | -7,737.72  | 1,287.08             | 771.05                | 516.03                  | 2.494             |                    |         |
| 16,000.00                  | 7,070.75            | 16,057.91           | 7,145.14            | 261.54          | 260.94      | -93.31                | -859.20                           | -7,837.71  | 1,288.04             | 766.35                | 521.68                  | 2.469             |                    |         |
| 16,100.00                  | 7,070.76            | 16,157.90           | 7,145.38            | 264.37          | 263.77      | -93.32                | -860.18                           | -7,937.70  | 1,289.00             | 761.66                | 527.33                  | 2.444             |                    |         |
| 16,200.00                  | 7,070.76            | 16,257.90           | 7,145.62            | 267.21          | 266.60      | -93.33                | -861.17                           | -8,037.69  | 1,289.96             | 756.97                | 532.99                  | 2.420             |                    |         |
| 16,300.00                  | 7,070.77            | 16,357.89           | 7,145.86            | 270.04          | 269.43      | -93.33                | -862.15                           | -8,137.68  | 1,290.92             | 752.27                | 538.64                  | 2.397             |                    |         |
| 16,400.00                  | 7,070.78            | 16,457.89           | 7,146.10            | 272.88          | 272.26      | -93.34                | -863.13                           | -8,237.67  | 1,291.88             | 747.58                | 544.30                  | 2.373             |                    |         |
| 16,500.00                  | 7,070.79            | 16,557.88           | 7,146.34            | 275.71          | 275.09      | -93.35                | -864.11                           | -8,337.66  | 1,292.84             | 742.88                | 549.95                  | 2.351             |                    |         |
| 16,600.00                  | 7,070.80            | 16,657.88           | 7,146.58            | 278.55          | 277.92      | -93.36                | -865.09                           | -8,437.65  | 1,293.80             | 738.19                | 555.61                  | 2.329             |                    |         |
| 16,700.00                  | 7,070.81            | 16,757.87           | 7,146.82            | 281.39          | 280.75      | -93.37                | -866.07                           | -8,537.64  | 1,294.76             | 733.49                | 561.27                  | 2.307             |                    |         |
| 16,800.00                  | 7,070.82            | 16,857.87           | 7,147.06            | 284.22          | 283.59      | -93.37                | -867.06                           | -8,637.63  | 1,295.72             | 728.79                | 566.93                  | 2.286             |                    |         |
| 16,900.00                  | 7,070.83            | 16,957.86           | 7,147.30            | 287.06          | 286.42      | -93.38                | -868.04                           | -8,737.62  | 1,296.68             | 724.09                | 572.59                  | 2.265             |                    |         |
| 17,000.00                  | 7,070.84            | 17,057.86           | 7,147.54            | 289.90          | 289.26      | -93.39                | -869.02                           | -8,837.61  | 1,297.64             | 719.39                | 578.25                  | 2.244             |                    |         |
| 17,100.00                  | 7,070.84            | 17,157.85           | 7,147.78            | 292.74          | 292.09      | -93.40                | -870.00                           | -8,937.60  | 1,298.60             | 714.69                | 583.91                  | 2.224             |                    |         |
| 17,200.00                  | 7,070.85            | 17,257.85           | 7,148.02            | 295.58          | 294.92      | -93.40                | -870.98                           | -9,037.59  | 1,299.56             | 709.98                | 589.57                  | 2.204             |                    |         |
| 17,300.00                  | 7,070.86            | 17,357.84           | 7,148.26            | 298.42          | 297.76      | -93.41                | -871.97                           | -9,137.58  | 1,300.52             | 705.28                | 595.24                  | 2.185             |                    |         |
| 17,400.00                  | 7,070.87            | 17,457.84           | 7,148.50            | 301.26          | 300.59      | -93.42                | -872.95                           | -9,237.57  | 1,301.48             | 700.58                | 600.90                  | 2.166             |                    |         |
| 17,500.00                  | 7,070.88            | 17,557.84           | 7,148.74            | 304.10          | 303.43      | -93.43                | -873.93                           | -9,337.56  | 1,302.44             | 695.87                | 606.56                  | 2.147             |                    |         |
| 17,600.00                  | 7,070.89            | 17,657.83           | 7,148.98            | 306.94          | 306.27      | -93.43                | -874.91                           | -9,437.55  | 1,303.40             | 691.17                | 612.23                  | 2.129             |                    |         |
| 17,700.00                  | 7,070.90            | 17,757.83           | 7,149.22            | 309.78          | 309.10      | -93.44                | -875.89                           | -9,537.54  | 1,304.36             | 686.46                | 617.89                  | 2.111             |                    |         |
| 17,800.00                  | 7,070.91            | 17,857.82           | 7,149.45            | 312.62          | 311.94      | -93.45                | -876.87                           | -9,637.53  | 1,305.32             | 681.76                | 623.56                  | 2.093             |                    |         |
| 17,900.00                  | 7,070.92            | 17,957.82           | 7,149.69            | 315.46          | 314.78      | -93.46                | -877.86                           | -9,737.52  | 1,306.28             | 677.05                | 629.23                  | 2.076             |                    |         |
| 18,000.00                  | 7,070.92            | 18,057.81           | 7,149.93            | 318.31          | 317.62      | -93.47                | -878.84                           | -9,837.51  | 1,307.24             | 672.34                | 634.89                  | 2.059             |                    |         |
| 18,100.00                  | 7,070.93            | 18,157.81           | 7,150.17            | 321.15          | 320.45      | -93.47                | -879.82                           | -9,937.50  | 1,308.20             | 667.64                | 640.56                  | 2.042             |                    |         |
| 18,200.00                  | 7,070.94            | 18,257.80           | 7,150.41            | 323.99          | 323.29      | -93.48                | -880.80                           | -10,037.49 | 1,309.16             | 662.93                | 646.23                  | 2.026             |                    |         |
| 18,300.00                  | 7,070.95            | 18,357.80           | 7,150.65            | 326.83          | 326.13      | -93.49                | -881.78                           | -10,137.48 | 1,310.12             | 658.22                | 651.90                  | 2.010             |                    |         |
| 18,400.00                  | 7,070.96            | 18,457.79           | 7,150.89            | 329.68          | 328.97      | -93.50                | -882.77                           | -10,237.47 | 1,311.08             | 653.51                | 657.57                  | 1.994             |                    |         |
| 18,500.00                  | 7,070.97            | 18,557.79           | 7,151.13            | 332.52          | 331.81      | -93.50                | -883.75                           | -10,337.46 | 1,312.04             | 648.80                | 663.24                  | 1.978             |                    |         |
| 18,600.00                  | 7,070.98            | 18,657.78           | 7,151.37            | 335.36          | 334.65      | -93.51                | -884.73                           | -10,437.45 | 1,313.00             | 644.09                | 668.91                  | 1.963             |                    |         |
| 18,700.00                  | 7,070.99            | 18,757.78           | 7,151.61            | 338.21          | 337.49      | -93.52                | -885.71                           | -10,537.44 | 1,313.96             | 639.38                | 674.58                  | 1.948             |                    |         |
| 18,800.00                  | 7,070.99            | 18,857.77           | 7,151.85            | 341.05          | 340.33      | -93.53                | -886.69                           | -10,637.43 | 1,314.92             | 634.67                | 680.25                  | 1.933             |                    |         |
| 18,858.54                  | 7,071.00            | 18,916.31           | 7,151.99            | 342.72          | 341.99      | -93.53                | -887.27                           | -10,695.97 | 1,315.49             | 631.91                | 683.57                  | 1.924 SF          |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00  | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.41               | -135.16                           | -1.39      | 135.16               |                       |                         |                   |                    |         |
| 100.00  | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.41               | -135.16                           | -1.39      | 135.16               | 128.60                | 6.57                    | 20.575            |                    |         |
| 200.00  | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.41               | -135.16                           | -1.39      | 135.16               | 128.49                | 6.67                    | 20.252            |                    |         |
| 300.00  | 300.00              | 300.00              | 300.00              | 3.44            | 3.44        | -179.41               | -135.16                           | -1.39      | 135.16               | 128.27                | 6.89                    | 19.618 CC, ES     |                    |         |
| 400.00  | 399.98              | 396.70              | 396.68              | 3.60            | 3.59        | -108.25               | -136.34                           | -0.27      | 136.92               | 129.72                | 7.20                    | 19.024            |                    |         |
| 500.00  | 499.84              | 493.21              | 493.06              | 3.80            | 3.78        | 108.71                | -139.87                           | 3.10       | 142.18               | 134.59                | 7.59                    | 18.729            |                    |         |
| 600.00  | 599.45              | 589.34              | 588.85              | 4.04            | 4.00        | 109.40                | -145.73                           | 8.68       | 150.95               | 142.89                | 8.07                    | 18.714            |                    |         |
| 700.00  | 698.70              | 684.93              | 683.77              | 4.32            | 4.25        | 110.21                | -153.86                           | 16.42      | 163.24               | 154.63                | 8.61                    | 18.963            |                    |         |
| 800.00  | 797.47              | 779.78              | 777.54              | 4.63            | 4.54        | 111.07                | -164.18                           | 26.25      | 179.04               | 169.83                | 9.21                    | 19.444            |                    |         |
| 900.00  | 895.62              | 873.74              | 869.92              | 4.97            | 4.85        | 111.89                | -176.62                           | 38.10      | 198.31               | 188.46                | 9.86                    | 20.119            |                    |         |
| 924.00  | 919.08              | 896.14              | 891.85              | 5.06            | 4.93        | 112.08                | -179.91                           | 41.23      | 203.45               | 193.43                | 10.02                   | 20.306            |                    |         |
| 1,000.00  | 993.28              | 966.77              | 960.77              | 5.34            | 5.19        | 112.73                | -191.10                           | 51.88      | 220.65               | 210.10                | 10.54                   | 20.925            |                    |         |
| 1,100.00  | 1,090.92            | 1,058.97            | 1,050.13            | 5.73            | 5.56        | 112.96                | -207.54                           | 67.54      | 245.06               | 233.79                | 11.27                   | 21.746            |                    |         |
| 1,200.00  | 1,188.56            | 1,151.31            | 1,138.86            | 6.15            | 5.96        | 112.65                | -226.04                           | 85.15      | 271.40               | 259.37                | 12.02                   | 22.572            |                    |         |
| 1,300.00  | 1,286.19            | 1,247.59            | 1,231.10            | 6.57            | 6.40        | 112.24                | -245.99                           | 104.15     | 298.37               | 285.54                | 12.83                   | 23.258            |                    |         |
| 1,400.00  | 1,383.83            | 1,343.86            | 1,323.35            | 7.01            | 6.86        | 111.90                | -265.94                           | 123.16     | 325.35               | 311.69                | 13.66                   | 23.814            |                    |         |
| 1,500.00  | 1,481.47            | 1,440.13            | 1,415.60            | 7.46            | 7.33        | 111.61                | -285.90                           | 142.16     | 352.34               | 337.82                | 14.52                   | 24.269            |                    |         |
| 1,600.00  | 1,579.10            | 1,536.41            | 1,507.85            | 7.91            | 7.82        | 111.36                | -305.85                           | 161.16     | 379.34               | 363.95                | 15.39                   | 24.641            |                    |         |
| 1,700.00  | 1,676.74            | 1,632.68            | 1,600.09            | 8.37            | 8.31        | 111.15                | -325.80                           | 180.16     | 406.35               | 390.06                | 16.29                   | 24.950            |                    |         |
| 1,800.00  | 1,774.38            | 1,728.96            | 1,692.34            | 8.84            | 8.82        | 110.96                | -345.76                           | 199.16     | 433.36               | 416.17                | 17.19                   | 25.206            |                    |         |
| 1,900.00  | 1,872.02            | 1,825.23            | 1,784.59            | 9.31            | 9.33        | 110.79                | -365.71                           | 218.16     | 460.37               | 442.26                | 18.11                   | 25.420            |                    |         |
| 2,000.00  | 1,969.65            | 1,921.50            | 1,876.83            | 9.79            | 9.84        | 110.65                | -385.66                           | 237.16     | 487.39               | 468.35                | 19.04                   | 25.601            |                    |         |
| 2,100.00  | 2,067.29            | 2,017.78            | 1,969.08            | 10.27           | 10.36       | 110.51                | -405.61                           | 256.16     | 514.41               | 494.43                | 19.97                   | 25.753            |                    |         |
| 2,200.00  | 2,164.93            | 2,114.05            | 2,061.33            | 10.75           | 10.89       | 110.39                | -425.57                           | 275.16     | 541.43               | 520.51                | 20.92                   | 25.883            |                    |         |
| 2,300.00  | 2,262.56            | 2,210.33            | 2,153.58            | 11.24           | 11.42       | 110.29                | -445.52                           | 294.16     | 568.45               | 546.59                | 21.87                   | 25.994            |                    |         |
| 2,400.00  | 2,360.20            | 2,306.60            | 2,245.82            | 11.73           | 11.95       | 110.19                | -465.47                           | 313.16     | 595.48               | 572.66                | 22.82                   | 26.090            |                    |         |
| 2,500.00  | 2,457.84            | 2,402.87            | 2,338.07            | 12.22           | 12.49       | 110.10                | -485.43                           | 332.17     | 622.51               | 598.72                | 23.78                   | 26.172            |                    |         |
| 2,600.00  | 2,555.48            | 2,500.85            | 2,430.32            | 12.71           | 13.04       | 110.02                | -505.38                           | 351.17     | 649.53               | 624.78                | 24.76                   | 26.234            |                    |         |
| 2,700.00  | 2,653.11            | 2,604.58            | 2,522.56            | 13.20           | 13.62       | 109.94                | -525.33                           | 370.17     | 676.56               | 650.80                | 25.77                   | 26.257            |                    |         |
| 2,800.00  | 2,750.75            | 2,708.30            | 2,614.81            | 13.70           | 14.20       | 109.87                | -545.28                           | 389.17     | 703.59               | 676.82                | 26.78                   | 26.275            |                    |         |
| 2,900.00  | 2,848.39            | 2,787.97            | 2,707.06            | 14.19           | 14.65       | 109.81                | -565.24                           | 408.17     | 730.63               | 702.96                | 27.67                   | 26.407            |                    |         |
| 3,000.00  | 2,946.02            | 2,884.24            | 2,799.31            | 14.69           | 15.20       | 109.75                | -585.19                           | 427.17     | 757.66               | 729.01                | 28.65                   | 26.449            |                    |         |
| 3,100.00  | 3,043.66            | 2,980.52            | 2,891.55            | 15.19           | 15.74       | 109.69                | -605.14                           | 446.17     | 784.69               | 755.06                | 29.63                   | 26.485            |                    |         |
| 3,200.00  | 3,141.30            | 3,076.79            | 2,983.80            | 15.69           | 16.29       | 109.64                | -625.10                           | 465.17     | 811.72               | 781.11                | 30.61                   | 26.518            |                    |         |
| 3,300.00  | 3,238.94            | 3,173.07            | 3,076.05            | 16.19           | 16.84       | 109.59                | -645.05                           | 484.17     | 838.76               | 807.16                | 31.60                   | 26.546            |                    |         |
| 3,400.00  | 3,336.57            | 3,269.34            | 3,168.30            | 16.69           | 17.39       | 109.54                | -665.00                           | 503.17     | 865.79               | 833.21                | 32.58                   | 26.572            |                    |         |
| 3,500.00  | 3,434.21            | 3,365.62            | 3,260.54            | 17.19           | 17.94       | 109.50                | -684.95                           | 522.17     | 892.83               | 859.26                | 33.57                   | 26.594            |                    |         |
| 3,600.00  | 3,531.85            | 3,461.89            | 3,352.79            | 17.69           | 18.49       | 109.46                | -704.91                           | 541.17     | 919.86               | 885.30                | 34.56                   | 26.614            |                    |         |
| 3,700.00  | 3,629.48            | 3,558.16            | 3,445.04            | 18.20           | 19.04       | 109.42                | -724.86                           | 560.18     | 946.90               | 911.35                | 35.56                   | 26.632            |                    |         |
| 3,800.00  | 3,727.12            | 3,654.44            | 3,537.28            | 18.70           | 19.60       | 109.39                | -744.81                           | 579.18     | 973.94               | 937.39                | 36.55                   | 26.648            |                    |         |
| 3,900.00  | 3,824.76            | 3,750.71            | 3,629.53            | 19.21           | 20.15       | 109.35                | -764.77                           | 598.18     | 1,000.97             | 963.43                | 37.54                   | 26.662            |                    |         |
| 4,000.00  | 3,922.40            | 3,846.99            | 3,721.78            | 19.71           | 20.70       | 109.32                | -784.72                           | 617.18     | 1,028.01             | 989.47                | 38.54                   | 26.675            |                    |         |
| 4,100.00  | 4,020.03            | 3,943.26            | 3,814.03            | 20.21           | 21.26       | 109.29                | -804.67                           | 636.18     | 1,055.05             | 1,015.51              | 39.54                   | 26.686            |                    |         |
| 4,200.00  | 4,117.67            | 4,039.53            | 3,906.27            | 20.72           | 21.81       | 109.26                | -824.62                           | 655.18     | 1,082.09             | 1,041.55              | 40.53                   | 26.696            |                    |         |
| 4,300.00  | 4,215.31            | 4,135.81            | 3,998.52            | 21.23           | 22.37       | 109.23                | -844.58                           | 674.18     | 1,109.12             | 1,067.59              | 41.53                   | 26.705            |                    |         |
| 4,400.00  | 4,312.94            | 4,232.08            | 4,090.77            | 21.73           | 22.92       | 109.21                | -864.53                           | 693.18     | 1,136.16             | 1,093.63              | 42.53                   | 26.713            |                    |         |
| 4,500.00  | 4,410.58            | 4,328.36            | 4,183.01            | 22.24           | 23.48       | 109.18                | -884.48                           | 712.18     | 1,163.20             | 1,119.67              | 43.53                   | 26.721            |                    |         |
| 4,600.00  | 4,508.22            | 4,424.63            | 4,275.26            | 22.75           | 24.04       | 109.16                | -904.44                           | 731.18     | 1,190.24             | 1,145.70              | 44.53                   | 26.727            |                    |         |
| 4,700.00  | 4,605.86            | 4,520.90            | 4,367.51            | 23.25           | 24.59       | 109.13                | -924.39                           | 750.18     | 1,217.28             | 1,171.74              | 45.53                   | 26.733            |                    |         |
| 4,800.00  | 4,703.49            | 4,617.18            | 4,459.76            | 23.76           | 25.15       | 109.11                | -944.34                           | 769.19     | 1,244.31             | 1,197.78              | 46.54                   | 26.738            |                    |         |
| 4,900.00  | 4,801.13            | 4,713.45            | 4,552.00            | 24.27           | 25.71       | 109.09                | -964.29                           | 788.19     | 1,271.35             | 1,223.81              | 47.54                   | 26.743            |                    |         |
| 5,000.00  | 4,898.77            | 4,809.73            | 4,644.25            | 24.77           | 26.27       | 109.07                | -984.25                           | 807.19     | 1,298.39             | 1,249.85              | 48.54                   | 26.747            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 4,906.00            | 4,736.50            | 25.28           | 26.83       | 109.05                | -1,004.20                         | 826.19     | 1,325.43             | 1,275.88              | 49.55                   | 26.751            |                    |         |
| 5,200.00                   | 5,094.04            | 5,002.27            | 4,828.75            | 25.79           | 27.38       | 109.03                | -1,024.15                         | 845.19     | 1,352.47             | 1,301.92              | 50.55                   | 26.754            |                    |         |
| 5,300.00                   | 5,191.68            | 5,101.45            | 4,920.99            | 26.30           | 27.96       | 109.02                | -1,044.11                         | 864.19     | 1,379.51             | 1,327.94              | 51.57                   | 26.749            |                    |         |
| 5,400.00                   | 5,289.32            | 5,205.18            | 5,013.24            | 26.81           | 28.56       | 109.00                | -1,064.06                         | 883.19     | 1,406.55             | 1,353.93              | 52.62                   | 26.731            |                    |         |
| 5,500.00                   | 5,386.95            | 5,291.10            | 5,105.49            | 27.32           | 29.06       | 108.98                | -1,084.01                         | 902.19     | 1,433.59             | 1,380.02              | 53.57                   | 26.761            |                    |         |
| 5,600.00                   | 5,484.59            | 5,387.37            | 5,197.73            | 27.83           | 29.62       | 108.97                | -1,103.96                         | 921.19     | 1,460.63             | 1,406.05              | 54.58                   | 26.763            |                    |         |
| 5,700.00                   | 5,582.23            | 5,483.65            | 5,289.98            | 28.33           | 30.18       | 108.95                | -1,123.92                         | 940.19     | 1,487.67             | 1,432.09              | 55.58                   | 26.765            |                    |         |
| 5,800.00                   | 5,679.87            | 5,579.92            | 5,382.23            | 28.84           | 30.74       | 108.94                | -1,143.87                         | 959.19     | 1,514.71             | 1,458.12              | 56.59                   | 26.766            |                    |         |
| 5,900.00                   | 5,777.50            | 5,676.19            | 5,474.48            | 29.35           | 31.30       | 108.92                | -1,163.82                         | 978.19     | 1,541.75             | 1,484.15              | 57.60                   | 26.768            |                    |         |
| 6,000.00                   | 5,875.14            | 5,772.47            | 5,566.72            | 29.86           | 31.86       | 108.91                | -1,183.78                         | 997.20     | 1,568.79             | 1,510.18              | 58.61                   | 26.769            |                    |         |
| 6,100.00                   | 5,972.78            | 5,868.74            | 5,658.97            | 30.37           | 32.42       | 108.89                | -1,203.73                         | 1,016.20   | 1,595.83             | 1,536.22              | 59.61                   | 26.769            |                    |         |
| 6,200.00                   | 6,070.41            | 5,965.02            | 5,751.22            | 30.88           | 32.98       | 108.88                | -1,223.68                         | 1,035.20   | 1,622.87             | 1,562.25              | 60.62                   | 26.770            |                    |         |
| 6,300.00                   | 6,168.05            | 6,061.29            | 5,843.46            | 31.39           | 33.54       | 108.87                | -1,243.64                         | 1,054.20   | 1,649.91             | 1,588.28              | 61.63                   | 26.771            |                    |         |
| 6,400.00                   | 6,265.69            | 6,157.56            | 5,935.71            | 31.90           | 34.10       | 108.86                | -1,263.59                         | 1,073.20   | 1,676.95             | 1,614.31              | 62.64                   | 26.771            |                    |         |
| 6,439.09                   | 6,303.85            | 6,195.19            | 5,971.77            | 32.10           | 34.32       | 108.85                | -1,271.39                         | 1,080.63   | 1,687.52             | 1,624.49              | 63.04                   | 26.771            |                    |         |
| 6,450.00                   | 6,314.53            | 6,205.70            | 5,981.84            | 32.16           | 34.38       | 110.60                | -1,273.56                         | 1,082.70   | 1,690.47             | 1,627.33              | 63.14                   | 26.771            |                    |         |
| 6,500.00                   | 6,363.83            | 6,253.75            | 6,027.88            | 32.39           | 34.66       | 123.16                | -1,283.52                         | 1,092.18   | 1,703.92             | 1,640.30              | 63.62                   | 26.781            |                    |         |
| 6,550.00                   | 6,413.58            | 6,301.45            | 6,073.58            | 32.60           | 34.94       | 156.75                | -1,293.41                         | 1,101.60   | 1,717.23             | 1,653.16              | 64.07                   | 26.803            |                    |         |
| 6,600.00                   | 6,463.45            | 6,348.49            | 6,118.65            | 32.79           | 35.21       | -141.55               | -1,303.16                         | 1,110.88   | 1,730.36             | 1,665.88              | 64.48                   | 26.835            |                    |         |
| 6,650.00                   | 6,513.15            | 6,405.41            | 6,162.83            | 32.97           | 35.54       | -113.31               | -1,312.71                         | 1,119.98   | 1,743.31             | 1,678.38              | 64.93                   | 26.849            |                    |         |
| 6,700.00                   | 6,562.37            | 6,439.47            | 6,205.83            | 33.15           | 35.74       | -102.69               | -1,322.01                         | 1,128.84   | 1,756.07             | 1,690.82              | 65.25                   | 26.914            |                    |         |
| 6,750.00                   | 6,610.80            | 6,482.85            | 6,247.39            | 33.34           | 35.99       | -97.34                | -1,331.00                         | 1,137.40   | 1,768.68             | 1,703.07              | 65.61                   | 26.956            |                    |         |
| 6,800.00                   | 6,658.14            | 6,524.46            | 6,287.26            | 33.53           | 36.24       | -94.11                | -1,339.63                         | 1,145.61   | 1,781.19             | 1,715.22              | 65.97                   | 27.000            |                    |         |
| 6,850.00                   | 6,704.11            | 6,564.04            | 6,325.19            | 33.74           | 36.47       | -91.92                | -1,347.83                         | 1,153.42   | 1,793.65             | 1,727.33              | 66.32                   | 27.046            |                    |         |
| 6,900.00                   | 6,748.42            | 6,601.36            | 6,360.94            | 33.97           | 36.68       | -90.31                | -1,355.56                         | 1,160.79   | 1,806.12             | 1,739.46              | 66.66                   | 27.094            |                    |         |
| 6,950.00                   | 6,790.79            | 6,636.17            | 6,394.30            | 34.21           | 36.89       | -89.03                | -1,362.78                         | 1,167.66   | 1,818.69             | 1,751.69              | 67.00                   | 27.144            |                    |         |
| 7,000.00                   | 6,830.97            | 6,668.27            | 6,425.06            | 34.48           | 37.07       | -87.96                | -1,369.43                         | 1,173.99   | 1,831.42             | 1,764.08              | 67.34                   | 27.197            |                    |         |
| 7,050.00                   | 6,868.71            | 6,702.54            | 6,453.03            | 34.77           | 37.27       | -86.99                | -1,375.48                         | 1,179.75   | 1,844.37             | 1,776.66              | 67.71                   | 27.241            |                    |         |
| 7,100.00                   | 6,903.77            | 6,723.56            | 6,478.03            | 35.09           | 37.40       | -86.06                | -1,380.89                         | 1,184.90   | 1,857.60             | 1,789.58              | 68.02                   | 27.309            |                    |         |
| 7,150.00                   | 6,935.93            | 6,753.67            | 6,506.94            | 35.44           | 37.57       | -85.33                | -1,387.14                         | 1,190.53   | 1,871.14             | 1,802.69              | 68.45                   | 27.337            |                    |         |
| 7,200.00                   | 6,965.01            | 6,790.27            | 6,542.37            | 35.83           | 37.76       | -84.83                | -1,394.80                         | 1,195.57   | 1,884.87             | 1,815.90              | 68.97                   | 27.327            |                    |         |
| 7,250.00                   | 6,990.82            | 6,830.33            | 6,581.40            | 36.26           | 37.96       | -84.46                | -1,403.23                         | 1,198.70   | 1,898.75             | 1,829.19              | 69.56                   | 27.295            |                    |         |
| 7,300.00                   | 7,013.20            | 6,875.63            | 6,625.67            | 36.72           | 38.15       | -84.28                | -1,412.78                         | 1,199.19   | 1,912.72             | 1,842.50              | 70.23                   | 27.236            |                    |         |
| 7,350.00                   | 7,032.02            | 6,929.31            | 6,678.01            | 37.23           | 38.35       | -84.36                | -1,424.06                         | 1,195.61   | 1,926.72             | 1,855.74              | 70.97                   | 27.147            |                    |         |
| 7,400.00                   | 7,047.15            | 6,997.50            | 6,743.77            | 37.77           | 38.56       | -84.84                | -1,438.22                         | 1,184.58   | 1,940.60             | 1,868.78              | 71.82                   | 27.019            |                    |         |
| 7,450.00                   | 7,058.51            | 7,093.64            | 6,833.71            | 38.34           | 38.82       | -86.05                | -1,457.55                         | 1,156.97   | 1,954.12             | 1,881.31              | 72.82                   | 26.836            |                    |         |
| 7,500.00                   | 7,066.02            | 7,251.26            | 6,969.29            | 38.95           | 39.25       | -88.61                | -1,486.61                         | 1,082.86   | 1,966.65             | 1,892.56              | 74.08                   | 26.546            |                    |         |
| 7,550.00                   | 7,069.64            | 7,554.57            | 7,162.61            | 39.58           | 40.52       | -92.97                | -1,527.72                         | 856.57     | 1,976.16             | 1,899.57              | 76.59                   | 25.802            |                    |         |
| 7,571.20                   | 7,070.00            | 7,751.14            | 7,223.87            | 39.85           | 41.94       | -94.47                | -1,540.44                         | 671.05     | 1,978.08             | 1,899.01              | 79.07                   | 25.016            |                    |         |
| 7,600.00                   | 7,070.00            | 7,877.01            | 7,233.05            | 40.23           | 43.14       | -94.73                | -1,542.09                         | 545.72     | 1,978.27             | 1,897.05              | 81.22                   | 24.357            |                    |         |
| 7,700.00                   | 7,070.01            | 7,977.01            | 7,233.29            | 41.64           | 44.29       | -94.74                | -1,541.88                         | 445.72     | 1,978.05             | 1,894.06              | 83.99                   | 23.551            |                    |         |
| 7,800.00                   | 7,070.02            | 8,077.01            | 7,233.54            | 43.20           | 45.59       | -94.74                | -1,541.67                         | 345.72     | 1,977.82             | 1,890.79              | 87.04                   | 22.724            |                    |         |
| 7,900.00                   | 7,070.03            | 8,177.00            | 7,233.79            | 44.89           | 47.06       | -94.75                | -1,541.45                         | 245.72     | 1,977.60             | 1,887.26              | 90.34                   | 21.891            |                    |         |
| 8,000.00                   | 7,070.04            | 8,277.00            | 7,234.04            | 46.69           | 48.67       | -94.76                | -1,541.24                         | 145.72     | 1,977.37             | 1,883.50              | 93.87                   | 21.064            |                    |         |
| 8,100.00                   | 7,070.05            | 8,377.00            | 7,234.29            | 48.60           | 50.40       | -94.77                | -1,541.03                         | 45.72      | 1,977.15             | 1,879.54              | 97.61                   | 20.255            |                    |         |
| 8,200.00                   | 7,070.05            | 8,477.00            | 7,234.54            | 50.59           | 52.25       | -94.77                | -1,540.82                         | -54.28     | 1,976.92             | 1,875.39              | 101.54                  | 19.470            |                    |         |
| 8,300.00                   | 7,070.06            | 8,577.00            | 7,234.79            | 52.66           | 54.19       | -94.78                | -1,540.61                         | -154.27    | 1,976.70             | 1,871.08              | 105.62                  | 18.715            |                    |         |
| 8,400.00                   | 7,070.07            | 8,677.00            | 7,235.03            | 54.81           | 56.22       | -94.79                | -1,540.40                         | -254.27    | 1,976.48             | 1,866.63              | 109.85                  | 17.993            |                    |         |
| 8,500.00                   | 7,070.08            | 8,777.00            | 7,235.28            | 57.02           | 58.33       | -94.80                | -1,540.18                         | -354.27    | 1,976.25             | 1,862.04              | 114.21                  | 17.304            |                    |         |
| 8,600.00                   | 7,070.09            | 8,877.00            | 7,235.53            | 59.28           | 60.50       | -94.80                | -1,539.97                         | -454.27    | 1,976.03             | 1,857.35              | 118.68                  | 16.650            |                    |         |
| 8,700.00                   | 7,070.10            | 8,977.00            | 7,235.78            | 61.60           | 62.73       | -94.81                | -1,539.76                         | -554.27    | 1,975.80             | 1,852.55              | 123.25                  | 16.031            |                    |         |
| 8,800.00                   | 7,070.11            | 9,077.00            | 7,236.03            | 63.95           | 65.02       | -94.82                | -1,539.55                         | -654.27    | 1,975.58             | 1,847.66              | 127.91                  | 15.445            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                   | 7,070.12            | 9,177.00            | 7,236.28            | 66.35           | 67.35       | -94.83                | -1,539.34                         | -754.27    | 1,975.35             | 1,842.69              | 132.66                  | 14.891            |                    |         |
| 9,000.00                   | 7,070.13            | 9,277.00            | 7,236.53            | 68.79           | 69.72       | -94.83                | -1,539.12                         | -854.27    | 1,975.13             | 1,837.65              | 137.48                  | 14.367            |                    |         |
| 9,100.00                   | 7,070.13            | 9,377.00            | 7,236.78            | 71.25           | 72.13       | -94.84                | -1,538.91                         | -954.27    | 1,974.90             | 1,832.55              | 142.36                  | 13.873            |                    |         |
| 9,200.00                   | 7,070.14            | 9,477.00            | 7,237.02            | 73.74           | 74.57       | -94.85                | -1,538.70                         | -1,054.26  | 1,974.68             | 1,827.38              | 147.30                  | 13.406            |                    |         |
| 9,300.00                   | 7,070.15            | 9,577.00            | 7,237.27            | 76.26           | 77.05       | -94.86                | -1,538.49                         | -1,154.26  | 1,974.46             | 1,822.16              | 152.29                  | 12.965            |                    |         |
| 9,400.00                   | 7,070.16            | 9,677.00            | 7,237.52            | 78.80           | 79.55       | -94.86                | -1,538.28                         | -1,254.26  | 1,974.23             | 1,816.89              | 157.34                  | 12.548            |                    |         |
| 9,500.00                   | 7,070.17            | 9,777.00            | 7,237.77            | 81.37           | 82.07       | -94.87                | -1,538.07                         | -1,354.26  | 1,974.01             | 1,811.58              | 162.42                  | 12.153            |                    |         |
| 9,600.00                   | 7,070.18            | 9,877.00            | 7,238.02            | 83.95           | 84.62       | -94.88                | -1,537.85                         | -1,454.26  | 1,973.78             | 1,806.23              | 167.55                  | 11.780            |                    |         |
| 9,700.00                   | 7,070.19            | 9,976.99            | 7,238.27            | 86.55           | 87.18       | -94.89                | -1,537.64                         | -1,554.26  | 1,973.56             | 1,800.85              | 172.71                  | 11.427            |                    |         |
| 9,800.00                   | 7,070.20            | 10,076.99           | 7,238.52            | 89.17           | 89.77       | -94.89                | -1,537.43                         | -1,654.26  | 1,973.33             | 1,795.43              | 177.91                  | 11.092            |                    |         |
| 9,900.00                   | 7,070.21            | 10,176.99           | 7,238.76            | 91.80           | 92.37       | -94.90                | -1,537.22                         | -1,754.26  | 1,973.11             | 1,789.98              | 183.13                  | 10.774            |                    |         |
| 10,000.00                  | 7,070.21            | 10,276.99           | 7,239.01            | 94.44           | 94.98       | -94.91                | -1,537.01                         | -1,854.26  | 1,972.89             | 1,784.50              | 188.38                  | 10.473            |                    |         |
| 10,100.00                  | 7,070.22            | 10,376.99           | 7,239.26            | 97.10           | 97.61       | -94.92                | -1,536.80                         | -1,954.25  | 1,972.66             | 1,779.00              | 193.66                  | 10.186            |                    |         |
| 10,200.00                  | 7,070.23            | 10,476.99           | 7,239.51            | 99.77           | 100.26      | -94.92                | -1,536.58                         | -2,054.25  | 1,972.44             | 1,773.48              | 198.96                  | 9.914             |                    |         |
| 10,300.00                  | 7,070.24            | 10,576.99           | 7,239.76            | 102.44          | 102.91      | -94.93                | -1,536.37                         | -2,154.25  | 1,972.21             | 1,767.93              | 204.28                  | 9.654             |                    |         |
| 10,400.00                  | 7,070.25            | 10,676.99           | 7,240.01            | 105.13          | 105.58      | -94.94                | -1,536.16                         | -2,254.25  | 1,971.99             | 1,762.36              | 209.63                  | 9.407             |                    |         |
| 10,500.00                  | 7,070.26            | 10,776.99           | 7,240.26            | 107.83          | 108.25      | -94.95                | -1,535.95                         | -2,354.25  | 1,971.77             | 1,756.78              | 214.99                  | 9.172             |                    |         |
| 10,600.00                  | 7,070.27            | 10,876.99           | 7,240.51            | 110.53          | 110.94      | -94.95                | -1,535.74                         | -2,454.25  | 1,971.54             | 1,751.18              | 220.36                  | 8.947             |                    |         |
| 10,700.00                  | 7,070.28            | 10,976.99           | 7,240.75            | 113.24          | 113.63      | -94.96                | -1,535.53                         | -2,554.25  | 1,971.32             | 1,745.56              | 225.76                  | 8.732             |                    |         |
| 10,800.00                  | 7,070.28            | 11,076.99           | 7,241.00            | 115.96          | 116.34      | -94.97                | -1,535.31                         | -2,654.25  | 1,971.10             | 1,739.93              | 231.17                  | 8.527             |                    |         |
| 10,900.00                  | 7,070.29            | 11,176.99           | 7,241.25            | 118.69          | 119.05      | -94.98                | -1,535.10                         | -2,754.25  | 1,970.87             | 1,734.28              | 236.59                  | 8.330             |                    |         |
| 11,000.00                  | 7,070.30            | 11,276.99           | 7,241.50            | 121.42          | 121.76      | -94.98                | -1,534.89                         | -2,854.24  | 1,970.65             | 1,728.63              | 242.02                  | 8.142             |                    |         |
| 11,100.00                  | 7,070.31            | 11,376.99           | 7,241.75            | 124.16          | 124.49      | -94.99                | -1,534.68                         | -2,954.24  | 1,970.42             | 1,722.96              | 247.47                  | 7.962             |                    |         |
| 11,200.00                  | 7,070.32            | 11,476.99           | 7,242.00            | 126.90          | 127.22      | -95.00                | -1,534.47                         | -3,054.24  | 1,970.20             | 1,717.28              | 252.93                  | 7.790             |                    |         |
| 11,300.00                  | 7,070.33            | 11,576.99           | 7,242.25            | 129.65          | 129.95      | -95.01                | -1,534.25                         | -3,154.24  | 1,969.98             | 1,711.58              | 258.39                  | 7.624             |                    |         |
| 11,400.00                  | 7,070.34            | 11,676.98           | 7,242.50            | 132.40          | 132.69      | -95.01                | -1,534.04                         | -3,254.24  | 1,969.75             | 1,705.88              | 263.87                  | 7.465             |                    |         |
| 11,500.00                  | 7,070.35            | 11,776.98           | 7,242.74            | 135.16          | 135.44      | -95.02                | -1,533.83                         | -3,354.24  | 1,969.53             | 1,700.17              | 269.36                  | 7.312             |                    |         |
| 11,600.00                  | 7,070.36            | 11,876.98           | 7,242.99            | 137.92          | 138.19      | -95.03                | -1,533.62                         | -3,454.24  | 1,969.31             | 1,694.45              | 274.85                  | 7.165             |                    |         |
| 11,700.00                  | 7,070.36            | 11,976.98           | 7,243.24            | 140.69          | 140.94      | -95.04                | -1,533.41                         | -3,554.24  | 1,969.08             | 1,688.73              | 280.36                  | 7.024             |                    |         |
| 11,800.00                  | 7,070.37            | 12,076.98           | 7,243.49            | 143.46          | 143.70      | -95.04                | -1,533.20                         | -3,654.24  | 1,968.86             | 1,682.99              | 285.87                  | 6.887             |                    |         |
| 11,900.00                  | 7,070.38            | 12,176.98           | 7,243.74            | 146.23          | 146.46      | -95.05                | -1,532.98                         | -3,754.23  | 1,968.64             | 1,677.25              | 291.38                  | 6.756             |                    |         |
| 12,000.00                  | 7,070.39            | 12,276.98           | 7,243.99            | 149.01          | 149.23      | -95.06                | -1,532.77                         | -3,854.23  | 1,968.41             | 1,671.50              | 296.91                  | 6.630             |                    |         |
| 12,100.00                  | 7,070.40            | 12,376.98           | 7,244.24            | 151.79          | 152.00      | -95.07                | -1,532.56                         | -3,954.23  | 1,968.19             | 1,665.75              | 302.44                  | 6.508             |                    |         |
| 12,200.00                  | 7,070.41            | 12,476.98           | 7,244.48            | 154.57          | 154.77      | -95.07                | -1,532.35                         | -4,054.23  | 1,967.97             | 1,659.99              | 307.98                  | 6.390             |                    |         |
| 12,300.00                  | 7,070.42            | 12,576.98           | 7,244.73            | 157.35          | 157.55      | -95.08                | -1,532.14                         | -4,154.23  | 1,967.74             | 1,654.22              | 313.52                  | 6.276             |                    |         |
| 12,400.00                  | 7,070.43            | 12,676.98           | 7,244.98            | 160.14          | 160.33      | -95.09                | -1,531.93                         | -4,254.23  | 1,967.52             | 1,648.45              | 319.07                  | 6.166             |                    |         |
| 12,500.00                  | 7,070.44            | 12,776.98           | 7,245.23            | 162.93          | 163.11      | -95.10                | -1,531.71                         | -4,354.23  | 1,967.30             | 1,642.68              | 324.62                  | 6.060             |                    |         |
| 12,600.00                  | 7,070.44            | 12,876.98           | 7,245.48            | 165.72          | 165.90      | -95.11                | -1,531.50                         | -4,454.23  | 1,967.07             | 1,636.90              | 330.18                  | 5.958             |                    |         |
| 12,700.00                  | 7,070.45            | 12,976.98           | 7,245.73            | 168.52          | 168.68      | -95.11                | -1,531.29                         | -4,554.23  | 1,966.85             | 1,631.11              | 335.74                  | 5.858             |                    |         |
| 12,800.00                  | 7,070.46            | 13,076.98           | 7,245.98            | 171.32          | 171.47      | -95.12                | -1,531.08                         | -4,654.22  | 1,966.63             | 1,625.32              | 341.31                  | 5.762             |                    |         |
| 12,900.00                  | 7,070.47            | 13,176.98           | 7,246.23            | 174.11          | 174.27      | -95.13                | -1,530.87                         | -4,754.22  | 1,966.40             | 1,619.53              | 346.88                  | 5.669             |                    |         |
| 13,000.00                  | 7,070.48            | 13,276.98           | 7,246.47            | 176.92          | 177.06      | -95.14                | -1,530.65                         | -4,854.22  | 1,966.18             | 1,613.73              | 352.45                  | 5.579             |                    |         |
| 13,100.00                  | 7,070.49            | 13,376.97           | 7,246.72            | 179.72          | 179.86      | -95.14                | -1,530.44                         | -4,954.22  | 1,965.96             | 1,607.93              | 358.03                  | 5.491             |                    |         |
| 13,200.00                  | 7,070.50            | 13,476.97           | 7,246.97            | 182.52          | 182.66      | -95.15                | -1,530.23                         | -5,054.22  | 1,965.74             | 1,602.12              | 363.61                  | 5.406             |                    |         |
| 13,300.00                  | 7,070.51            | 13,576.97           | 7,247.22            | 185.33          | 185.46      | -95.16                | -1,530.02                         | -5,154.22  | 1,965.51             | 1,596.31              | 369.20                  | 5.324             |                    |         |
| 13,400.00                  | 7,070.52            | 13,676.97           | 7,247.47            | 188.14          | 188.26      | -95.17                | -1,529.81                         | -5,254.22  | 1,965.29             | 1,590.50              | 374.79                  | 5.244             |                    |         |
| 13,500.00                  | 7,070.52            | 13,776.97           | 7,247.72            | 190.95          | 191.06      | -95.17                | -1,529.60                         | -5,354.22  | 1,965.07             | 1,584.69              | 380.38                  | 5.166             |                    |         |
| 13,600.00                  | 7,070.53            | 13,876.97           | 7,247.97            | 193.76          | 193.87      | -95.18                | -1,529.38                         | -5,454.22  | 1,964.84             | 1,578.87              | 385.98                  | 5.091             |                    |         |
| 13,700.00                  | 7,070.54            | 13,976.97           | 7,248.21            | 196.57          | 196.68      | -95.19                | -1,529.17                         | -5,554.21  | 1,964.62             | 1,573.05              | 391.57                  | 5.017             |                    |         |
| 13,800.00                  | 7,070.55            | 14,076.97           | 7,248.46            | 199.38          | 199.49      | -95.20                | -1,528.96                         | -5,654.21  | 1,964.40             | 1,567.22              | 397.18                  | 4.946             |                    |         |
| 13,900.00                  | 7,070.56            | 14,176.97           | 7,248.71            | 202.20          | 202.30      | -95.20                | -1,528.75                         | -5,754.21  | 1,964.18             | 1,561.40              | 402.78                  | 4.877             |                    |         |
| 14,000.00                  | 7,070.57            | 14,276.97           | 7,248.96            | 205.01          | 205.11      | -95.21                | -1,528.54                         | -5,854.21  | 1,963.95             | 1,555.57              | 408.38                  | 4.809             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00   | 7,070.58            | 14,376.97           | 7,249.21            | 207.83          | 207.92      | -95.22                | -1,528.33                         | -5,954.21  | 1,963.73             | 1,549.74              | 413.99                  | 4.743             |                    |         |
| 14,200.00   | 7,070.59            | 14,476.97           | 7,249.46            | 210.65          | 210.74      | -95.23                | -1,528.11                         | -6,054.21  | 1,963.51             | 1,543.91              | 419.60                  | 4.679             |                    |         |
| 14,300.00   | 7,070.60            | 14,576.97           | 7,249.71            | 213.47          | 213.55      | -95.23                | -1,527.90                         | -6,154.21  | 1,963.29             | 1,538.07              | 425.21                  | 4.617             |                    |         |
| 14,400.00   | 7,070.60            | 14,676.97           | 7,249.96            | 216.29          | 216.37      | -95.24                | -1,527.69                         | -6,254.21  | 1,963.06             | 1,532.23              | 430.83                  | 4.556             |                    |         |
| 14,500.00   | 7,070.61            | 14,776.97           | 7,250.20            | 219.11          | 219.19      | -95.25                | -1,527.48                         | -6,354.21  | 1,962.84             | 1,526.40              | 436.45                  | 4.497             |                    |         |
| 14,600.00   | 7,070.62            | 14,876.97           | 7,250.45            | 221.94          | 222.01      | -95.26                | -1,527.27                         | -6,454.20  | 1,962.62             | 1,520.55              | 442.06                  | 4.440             |                    |         |
| 14,700.00   | 7,070.63            | 14,976.97           | 7,250.70            | 224.76          | 224.83      | -95.26                | -1,527.06                         | -6,554.20  | 1,962.40             | 1,514.71              | 447.68                  | 4.383             |                    |         |
| 14,800.00   | 7,070.64            | 15,076.96           | 7,250.95            | 227.58          | 227.65      | -95.27                | -1,526.84                         | -6,654.20  | 1,962.17             | 1,508.87              | 453.31                  | 4.329             |                    |         |
| 14,900.00   | 7,070.65            | 15,176.96           | 7,251.20            | 230.41          | 230.47      | -95.28                | -1,526.63                         | -6,754.20  | 1,961.95             | 1,503.02              | 458.93                  | 4.275             |                    |         |
| 15,000.00   | 7,070.66            | 15,276.96           | 7,251.45            | 233.24          | 233.29      | -95.29                | -1,526.42                         | -6,854.20  | 1,961.73             | 1,497.17              | 464.56                  | 4.223             |                    |         |
| 15,100.00   | 7,070.67            | 15,376.96           | 7,251.70            | 236.06          | 236.12      | -95.30                | -1,526.21                         | -6,954.20  | 1,961.51             | 1,491.32              | 470.18                  | 4.172             |                    |         |
| 15,200.00   | 7,070.68            | 15,476.96           | 7,251.95            | 238.89          | 238.94      | -95.30                | -1,526.00                         | -7,054.20  | 1,961.28             | 1,485.47              | 475.81                  | 4.122             |                    |         |
| 15,300.00   | 7,070.68            | 15,576.96           | 7,252.19            | 241.72          | 241.77      | -95.31                | -1,525.78                         | -7,154.20  | 1,961.06             | 1,479.62              | 481.44                  | 4.073             |                    |         |
| 15,400.00   | 7,070.69            | 15,676.96           | 7,252.44            | 244.55          | 244.59      | -95.32                | -1,525.57                         | -7,254.20  | 1,960.84             | 1,473.77              | 487.07                  | 4.026             |                    |         |
| 15,500.00   | 7,070.70            | 15,776.96           | 7,252.69            | 247.38          | 247.42      | -95.33                | -1,525.36                         | -7,354.19  | 1,960.62             | 1,467.91              | 492.70                  | 3.979             |                    |         |
| 15,600.00   | 7,070.71            | 15,876.96           | 7,252.94            | 250.21          | 250.25      | -95.33                | -1,525.15                         | -7,454.19  | 1,960.40             | 1,462.06              | 498.34                  | 3.934             |                    |         |
| 15,700.00   | 7,070.72            | 15,976.96           | 7,253.19            | 253.04          | 253.08      | -95.34                | -1,524.94                         | -7,554.19  | 1,960.17             | 1,456.20              | 503.97                  | 3.889             |                    |         |
| 15,800.00   | 7,070.73            | 16,076.96           | 7,253.44            | 255.87          | 255.91      | -95.35                | -1,524.73                         | -7,654.19  | 1,959.95             | 1,450.34              | 509.61                  | 3.846             |                    |         |
| 15,900.00   | 7,070.74            | 16,176.96           | 7,253.69            | 258.71          | 258.74      | -95.36                | -1,524.51                         | -7,754.19  | 1,959.73             | 1,444.48              | 515.25                  | 3.803             |                    |         |
| 16,000.00   | 7,070.75            | 16,276.96           | 7,253.93            | 261.54          | 261.57      | -95.36                | -1,524.30                         | -7,854.19  | 1,959.51             | 1,438.62              | 520.89                  | 3.762             |                    |         |
| 16,100.00   | 7,070.76            | 16,376.96           | 7,254.18            | 264.37          | 264.40      | -95.37                | -1,524.09                         | -7,954.19  | 1,959.29             | 1,432.76              | 526.53                  | 3.721             |                    |         |
| 16,200.00   | 7,070.76            | 16,476.96           | 7,254.43            | 267.21          | 267.23      | -95.38                | -1,523.88                         | -8,054.19  | 1,959.06             | 1,426.90              | 532.17                  | 3.681             |                    |         |
| 16,300.00   | 7,070.77            | 16,576.96           | 7,254.68            | 270.04          | 270.06      | -95.39                | -1,523.67                         | -8,154.19  | 1,958.84             | 1,421.03              | 537.81                  | 3.642             |                    |         |
| 16,400.00   | 7,070.78            | 16,676.96           | 7,254.93            | 272.88          | 272.90      | -95.39                | -1,523.46                         | -8,254.18  | 1,958.62             | 1,415.17              | 543.45                  | 3.604             |                    |         |
| 16,500.00   | 7,070.79            | 16,776.96           | 7,255.18            | 275.71          | 275.73      | -95.40                | -1,523.24                         | -8,354.18  | 1,958.40             | 1,409.30              | 549.09                  | 3.567             |                    |         |
| 16,600.00   | 7,070.80            | 16,876.95           | 7,255.43            | 278.55          | 278.57      | -95.41                | -1,523.03                         | -8,454.18  | 1,958.18             | 1,403.44              | 554.74                  | 3.530             |                    |         |
| 16,700.00   | 7,070.81            | 16,976.95           | 7,255.68            | 281.39          | 281.40      | -95.42                | -1,522.82                         | -8,554.18  | 1,957.95             | 1,397.57              | 560.38                  | 3.494             |                    |         |
| 16,800.00   | 7,070.82            | 17,076.95           | 7,255.92            | 284.22          | 284.24      | -95.43                | -1,522.61                         | -8,654.18  | 1,957.73             | 1,391.70              | 566.03                  | 3.459             |                    |         |
| 16,900.00   | 7,070.83            | 17,176.95           | 7,256.17            | 287.06          | 287.07      | -95.43                | -1,522.40                         | -8,754.18  | 1,957.51             | 1,385.84              | 571.68                  | 3.424             |                    |         |
| 17,000.00   | 7,070.84            | 17,276.95           | 7,256.42            | 289.90          | 289.91      | -95.44                | -1,522.18                         | -8,854.18  | 1,957.29             | 1,379.97              | 577.32                  | 3.390             |                    |         |
| 17,100.00   | 7,070.84            | 17,376.95           | 7,256.67            | 292.74          | 292.75      | -95.45                | -1,521.97                         | -8,954.18  | 1,957.07             | 1,374.10              | 582.97                  | 3.357             |                    |         |
| 17,200.00   | 7,070.85            | 17,476.95           | 7,256.92            | 295.58          | 295.58      | -95.46                | -1,521.76                         | -9,054.18  | 1,956.85             | 1,368.23              | 588.62                  | 3.324             |                    |         |
| 17,300.00   | 7,070.86            | 17,576.95           | 7,257.17            | 298.42          | 298.42      | -95.46                | -1,521.55                         | -9,154.17  | 1,956.63             | 1,362.35              | 594.27                  | 3.292             |                    |         |
| 17,400.00   | 7,070.87            | 17,676.95           | 7,257.42            | 301.26          | 301.26      | -95.47                | -1,521.34                         | -9,254.17  | 1,956.40             | 1,356.48              | 599.92                  | 3.261             |                    |         |
| 17,500.00   | 7,070.88            | 17,776.95           | 7,257.66            | 304.10          | 304.10      | -95.48                | -1,521.13                         | -9,354.17  | 1,956.18             | 1,350.61              | 605.57                  | 3.230             |                    |         |
| 17,600.00   | 7,070.89            | 17,876.95           | 7,257.91            | 306.94          | 306.94      | -95.49                | -1,520.91                         | -9,454.17  | 1,955.96             | 1,344.74              | 611.22                  | 3.200             |                    |         |
| 17,700.00   | 7,070.90            | 17,976.95           | 7,258.16            | 309.78          | 309.78      | -95.49                | -1,520.70                         | -9,554.17  | 1,955.74             | 1,338.86              | 616.88                  | 3.170             |                    |         |
| 17,800.00   | 7,070.91            | 18,076.95           | 7,258.41            | 312.62          | 312.62      | -95.50                | -1,520.49                         | -9,654.17  | 1,955.52             | 1,332.99              | 622.53                  | 3.141             |                    |         |
| 17,900.00   | 7,070.92            | 18,176.95           | 7,258.66            | 315.46          | 315.46      | -95.51                | -1,520.28                         | -9,754.17  | 1,955.30             | 1,327.11              | 628.18                  | 3.113             |                    |         |
| 18,000.00   | 7,070.92            | 18,276.95           | 7,258.91            | 318.31          | 318.30      | -95.52                | -1,520.07                         | -9,854.17  | 1,955.08             | 1,321.24              | 633.84                  | 3.085             |                    |         |
| 18,100.00   | 7,070.93            | 18,376.95           | 7,259.16            | 321.15          | 321.14      | -95.53                | -1,519.86                         | -9,954.17  | 1,954.85             | 1,315.36              | 639.49                  | 3.057             |                    |         |
| 18,200.00   | 7,070.94            | 18,476.94           | 7,259.41            | 323.99          | 323.98      | -95.53                | -1,519.64                         | -10,054.16 | 1,954.63             | 1,309.49              | 645.15                  | 3.030             |                    |         |
| 18,300.00   | 7,070.95            | 18,576.94           | 7,259.65            | 326.83          | 326.82      | -95.54                | -1,519.43                         | -10,154.16 | 1,954.41             | 1,303.61              | 650.80                  | 3.003             |                    |         |
| 18,400.00   | 7,070.96            | 18,676.94           | 7,259.90            | 329.68          | 329.66      | -95.55                | -1,519.22                         | -10,254.16 | 1,954.19             | 1,297.73              | 656.46                  | 2.977             |                    |         |
| 18,500.00   | 7,070.97            | 18,776.94           | 7,260.15            | 332.52          | 332.51      | -95.56                | -1,519.01                         | -10,354.16 | 1,953.97             | 1,291.85              | 662.12                  | 2.951             |                    |         |
| 18,600.00   | 7,070.98            | 18,876.94           | 7,260.40            | 335.36          | 335.35      | -95.56                | -1,518.80                         | -10,454.16 | 1,953.75             | 1,285.98              | 667.77                  | 2.926             |                    |         |
| 18,700.00   | 7,070.99            | 18,976.94           | 7,260.65            | 338.21          | 338.19      | -95.57                | -1,518.59                         | -10,554.16 | 1,953.53             | 1,280.10              | 673.43                  | 2.901             |                    |         |
| 18,800.00   | 7,070.99            | 19,076.94           | 7,260.90            | 341.05          | 341.03      | -95.58                | -1,518.37                         | -10,654.16 | 1,953.31             | 1,274.22              | 679.09                  | 2.876             |                    |         |
| 18,845.59   | 7,071.00            | 19,118.22           | 7,261.00            | 342.35          | 342.21      | -95.58                | -1,518.29                         | -10,695.43 | 1,953.21             | 1,271.67              | 681.54                  | 2.866             |                    |         |
| 18,858.54   | 7,071.00            | 19,118.22           | 7,261.00            | 342.72          | 342.21      | -95.58                | -1,518.29                         | -10,695.43 | 1,953.25             | 1,271.39              | 681.87                  | 2.865 SF          |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1 |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------------------|--------------------------|--------------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Well Error: | 3.28 ft |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Semi Major Axis<br>Reference (ft) | Highside<br>Toolface (°) | Offset Wellbore Centre<br>+N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor  | Warning |
| 0.00   | 0.00                | 0.00                | 0.00                | 3.28           | 3.28        | -179.47                           |                          | -150.09                              | -1.39      | 150.10               |                       |                         |                    |         |
| 100.00   | 100.00              | 100.00              | 100.00              | 3.28           | 3.28        | -179.47                           |                          | -150.09                              | -1.39      | 150.10               | 143.53                | 6.57                    | 22.848             |         |
| 200.00   | 200.00              | 200.00              | 200.00              | 3.34           | 3.34        | -179.47                           |                          | -150.09                              | -1.39      | 150.10               | 143.42                | 6.67                    | 22.490 CC, ES      |         |
| 300.00   | 300.00              | 296.29              | 296.27              | 3.44           | 3.44        | -179.89                           |                          | -151.28                              | -0.29      | 151.32               | 144.44                | 6.89                    | 21.975             |         |
| 400.00   | 399.98              | 392.39              | 392.25              | 3.60           | 3.58        | 106.90                            |                          | -154.83                              | 2.99       | 155.56               | 148.35                | 7.20                    | 21.604             |         |
| 500.00   | 499.84              | 488.14              | 487.65              | 3.80           | 3.77        | 106.55                            |                          | -160.72                              | 8.44       | 163.29               | 155.68                | 7.61                    | 21.469             |         |
| 600.00   | 599.45              | 583.34              | 582.20              | 4.04           | 4.00        | 106.50                            |                          | -168.90                              | 15.99      | 174.47               | 166.38                | 8.09                    | 21.566             |         |
| 700.00   | 698.70              | 677.83              | 675.61              | 4.32           | 4.26        | 106.70                            |                          | -179.28                              | 25.60      | 189.09               | 180.45                | 8.64                    | 21.884             |         |
| 800.00   | 797.47              | 771.43              | 767.65              | 4.63           | 4.55        | 107.06                            |                          | -191.80                              | 37.17      | 207.09               | 197.85                | 9.25                    | 22.399             |         |
| 900.00   | 895.62              | 863.99              | 858.06              | 4.97           | 4.88        | 107.51                            |                          | -206.34                              | 50.61      | 228.46               | 218.56                | 9.90                    | 23.085             |         |
| 924.00   | 919.08              | 886.03              | 879.49              | 5.06           | 4.96        | 107.63                            |                          | -210.12                              | 54.10      | 234.08               | 224.02                | 10.06                   | 23.268             |         |
| 1,000.00   | 993.28              | 955.45              | 946.73              | 5.34           | 5.23        | 108.16                            |                          | -222.81                              | 65.83      | 252.84               | 242.25                | 10.59                   | 23.875             |         |
| 1,100.00   | 1,090.92            | 1,046.02            | 1,033.78            | 5.73           | 5.62        | 108.36                            |                          | -241.16                              | 82.79      | 279.45               | 268.14                | 11.31                   | 24.702             |         |
| 1,200.00   | 1,188.56            | 1,142.13            | 1,125.74            | 6.15           | 6.05        | 108.33                            |                          | -261.66                              | 101.75     | 307.09               | 295.00                | 12.09                   | 25.405             |         |
| 1,300.00   | 1,286.19            | 1,238.23            | 1,217.69            | 6.57           | 6.51        | 108.31                            |                          | -282.17                              | 120.70     | 334.73               | 321.84                | 12.90                   | 25.954             |         |
| 1,400.00   | 1,383.83            | 1,334.33            | 1,309.65            | 7.01           | 6.98        | 108.29                            |                          | -302.67                              | 139.65     | 362.38               | 348.64                | 13.73                   | 26.385             |         |
| 1,500.00   | 1,481.47            | 1,430.44            | 1,401.61            | 7.46           | 7.47        | 108.28                            |                          | -323.17                              | 158.60     | 390.02               | 375.42                | 14.59                   | 26.725             |         |
| 1,600.00   | 1,579.10            | 1,526.54            | 1,493.57            | 7.91           | 7.97        | 108.27                            |                          | -343.68                              | 177.56     | 417.66               | 402.19                | 15.47                   | 26.994             |         |
| 1,700.00   | 1,676.74            | 1,622.64            | 1,585.53            | 8.37           | 8.47        | 108.25                            |                          | -364.18                              | 196.51     | 445.30               | 428.93                | 16.37                   | 27.207             |         |
| 1,800.00   | 1,774.38            | 1,718.75            | 1,677.49            | 8.84           | 8.99        | 108.24                            |                          | -384.68                              | 215.46     | 472.94               | 455.67                | 17.27                   | 27.377             |         |
| 1,900.00   | 1,872.02            | 1,814.85            | 1,769.44            | 9.31           | 9.50        | 108.23                            |                          | -405.19                              | 234.42     | 500.58               | 482.39                | 18.19                   | 27.513             |         |
| 2,000.00   | 1,969.65            | 1,910.96            | 1,861.40            | 9.79           | 10.03       | 108.23                            |                          | -425.69                              | 253.37     | 528.23               | 509.10                | 19.12                   | 27.622             |         |
| 2,100.00   | 2,067.29            | 2,007.06            | 1,953.36            | 10.27          | 10.56       | 108.22                            |                          | -446.19                              | 272.32     | 555.87               | 535.81                | 20.06                   | 27.708             |         |
| 2,200.00   | 2,164.93            | 2,103.16            | 2,045.32            | 10.75          | 11.09       | 108.21                            |                          | -466.70                              | 291.28     | 583.51               | 562.50                | 21.01                   | 27.778             |         |
| 2,300.00   | 2,262.56            | 2,200.73            | 2,137.28            | 11.24          | 11.64       | 108.21                            |                          | -487.20                              | 310.23     | 611.15               | 589.19                | 21.97                   | 27.824             |         |
| 2,400.00   | 2,360.20            | 2,304.63            | 2,229.24            | 11.73          | 12.22       | 108.20                            |                          | -507.70                              | 329.18     | 638.79               | 615.83                | 22.96                   | 27.819             |         |
| 2,500.00   | 2,457.84            | 2,391.47            | 2,321.19            | 12.22          | 12.71       | 108.20                            |                          | -528.21                              | 348.14     | 666.44               | 642.56                | 23.88                   | 27.912             |         |
| 2,600.00   | 2,555.48            | 2,487.58            | 2,413.15            | 12.71          | 13.25       | 108.19                            |                          | -548.71                              | 367.09     | 694.08               | 669.24                | 24.84                   | 27.939             |         |
| 2,700.00   | 2,653.11            | 2,583.68            | 2,505.11            | 13.20          | 13.80       | 108.19                            |                          | -569.21                              | 386.04     | 721.72               | 695.91                | 25.81                   | 27.960             |         |
| 2,800.00   | 2,750.75            | 2,679.78            | 2,597.07            | 13.70          | 14.34       | 108.18                            |                          | -589.72                              | 405.00     | 749.36               | 722.58                | 26.79                   | 27.976             |         |
| 2,900.00   | 2,848.39            | 2,775.89            | 2,689.03            | 14.19          | 14.89       | 108.18                            |                          | -610.22                              | 423.95     | 777.00               | 749.24                | 27.76                   | 27.988             |         |
| 3,000.00   | 2,946.02            | 2,871.99            | 2,780.98            | 14.69          | 15.44       | 108.17                            |                          | -630.72                              | 442.90     | 804.65               | 775.90                | 28.74                   | 27.996             |         |
| 3,100.00   | 3,043.66            | 2,968.10            | 2,872.94            | 15.19          | 15.99       | 108.17                            |                          | -651.23                              | 461.85     | 832.29               | 802.57                | 29.72                   | 28.001             |         |
| 3,200.00   | 3,141.30            | 3,064.20            | 2,964.90            | 15.69          | 16.54       | 108.17                            |                          | -671.73                              | 480.81     | 859.93               | 829.22                | 30.71                   | 28.004             |         |
| 3,300.00   | 3,238.94            | 3,160.30            | 3,056.86            | 16.19          | 17.10       | 108.17                            |                          | -692.23                              | 499.76     | 887.57               | 855.88                | 31.69                   | 28.005             |         |
| 3,400.00   | 3,336.57            | 3,256.41            | 3,148.82            | 16.69          | 17.65       | 108.16                            |                          | -712.74                              | 518.71     | 915.21               | 882.53                | 32.68                   | 28.005             |         |
| 3,500.00   | 3,434.21            | 3,352.51            | 3,240.78            | 17.19          | 18.21       | 108.16                            |                          | -733.24                              | 537.67     | 942.86               | 909.19                | 33.67                   | 28.003             |         |
| 3,600.00   | 3,531.85            | 3,448.61            | 3,332.73            | 17.69          | 18.76       | 108.16                            |                          | -753.74                              | 556.62     | 970.50               | 935.84                | 34.66                   | 27.999             |         |
| 3,700.00   | 3,629.48            | 3,544.72            | 3,424.69            | 18.20          | 19.32       | 108.16                            |                          | -774.25                              | 575.57     | 998.14               | 962.49                | 35.65                   | 27.995             |         |
| 3,800.00   | 3,727.12            | 3,640.82            | 3,516.65            | 18.70          | 19.88       | 108.15                            |                          | -794.75                              | 594.53     | 1,025.78             | 989.13                | 36.65                   | 27.990             |         |
| 3,900.00   | 3,824.76            | 3,736.93            | 3,608.61            | 19.21          | 20.43       | 108.15                            |                          | -815.25                              | 613.48     | 1,053.42             | 1,015.78              | 37.64                   | 27.985             |         |
| 4,000.00   | 3,922.40            | 3,833.03            | 3,700.57            | 19.71          | 20.99       | 108.15                            |                          | -835.76                              | 632.43     | 1,081.07             | 1,042.43              | 38.64                   | 27.979             |         |
| 4,100.00   | 4,020.03            | 3,929.13            | 3,792.52            | 20.21          | 21.55       | 108.15                            |                          | -856.26                              | 651.39     | 1,108.71             | 1,069.07              | 39.64                   | 27.972             |         |
| 4,200.00   | 4,117.67            | 4,025.24            | 3,884.48            | 20.72          | 22.11       | 108.15                            |                          | -876.76                              | 670.34     | 1,136.35             | 1,095.72              | 40.63                   | 27.966             |         |
| 4,300.00   | 4,215.31            | 4,121.34            | 3,976.44            | 21.23          | 22.67       | 108.14                            |                          | -897.27                              | 689.29     | 1,163.99             | 1,122.36              | 41.63                   | 27.958             |         |
| 4,400.00   | 4,312.94            | 4,217.44            | 4,068.40            | 21.73          | 23.23       | 108.14                            |                          | -917.77                              | 708.25     | 1,191.63             | 1,149.00              | 42.63                   | 27.951             |         |
| 4,500.00   | 4,410.58            | 4,313.55            | 4,160.36            | 22.24          | 23.79       | 108.14                            |                          | -938.27                              | 727.20     | 1,219.28             | 1,175.64              | 43.63                   | 27.944             |         |
| 4,600.00   | 4,508.22            | 4,409.65            | 4,252.32            | 22.75          | 24.35       | 108.14                            |                          | -958.78                              | 746.15     | 1,246.92             | 1,202.28              | 44.63                   | 27.936             |         |
| 4,700.00   | 4,605.86            | 4,505.75            | 4,344.27            | 23.25          | 24.91       | 108.14                            |                          | -979.28                              | 765.11     | 1,274.56             | 1,228.92              | 45.64                   | 27.928             |         |
| 4,800.00   | 4,703.49            | 4,601.86            | 4,436.23            | 23.76          | 25.47       | 108.14                            |                          | -999.78                              | 784.06     | 1,302.20             | 1,255.56              | 46.64                   | 27.921             |         |
| 4,900.00   | 4,801.13            | 4,702.04            | 4,528.19            | 24.27          | 26.05       | 108.14                            |                          | -1,020.29                            | 803.01     | 1,329.84             | 1,282.18              | 47.66                   | 27.900             |         |
| 5,000.00   | 4,898.77            | 4,805.93            | 4,620.15            | 24.77          | 26.66       | 108.14                            |                          | -1,040.79                            | 821.96     | 1,357.49             | 1,308.78              | 48.71                   | 27.869             |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 4,909.83            | 4,712.11            | 25.28           | 27.27       | 108.13                | -1,061.29                         | 840.92     | 1,385.13             | 1,335.37              | 49.76                   | 27.838            |                    |         |
| 5,200.00                   | 5,094.04            | 4,986.27            | 4,804.06            | 25.79           | 27.72       | 108.13                | -1,081.80                         | 859.87     | 1,412.77             | 1,362.11              | 50.66                   | 27.890            |                    |         |
| 5,300.00                   | 5,191.68            | 5,082.38            | 4,896.02            | 26.30           | 28.28       | 108.13                | -1,102.30                         | 878.82     | 1,440.41             | 1,388.75              | 51.66                   | 27.882            |                    |         |
| 5,400.00                   | 5,289.32            | 5,178.48            | 4,987.98            | 26.81           | 28.84       | 108.13                | -1,122.80                         | 897.78     | 1,468.05             | 1,415.39              | 52.67                   | 27.874            |                    |         |
| 5,500.00                   | 5,386.95            | 5,274.58            | 5,079.94            | 27.32           | 29.40       | 108.13                | -1,143.31                         | 916.73     | 1,495.70             | 1,442.02              | 53.67                   | 27.867            |                    |         |
| 5,600.00                   | 5,484.59            | 5,370.69            | 5,171.90            | 27.83           | 29.97       | 108.13                | -1,163.81                         | 935.68     | 1,523.34             | 1,468.66              | 54.68                   | 27.859            |                    |         |
| 5,700.00                   | 5,582.23            | 5,466.79            | 5,263.86            | 28.33           | 30.53       | 108.13                | -1,184.31                         | 954.64     | 1,550.98             | 1,495.29              | 55.69                   | 27.852            |                    |         |
| 5,800.00                   | 5,679.87            | 5,562.90            | 5,355.81            | 28.84           | 31.09       | 108.13                | -1,204.82                         | 973.59     | 1,578.62             | 1,521.93              | 56.69                   | 27.844            |                    |         |
| 5,900.00                   | 5,777.50            | 5,659.00            | 5,447.77            | 29.35           | 31.65       | 108.13                | -1,225.32                         | 992.54     | 1,606.26             | 1,548.56              | 57.70                   | 27.837            |                    |         |
| 6,000.00                   | 5,875.14            | 5,755.10            | 5,539.73            | 29.86           | 32.22       | 108.13                | -1,245.82                         | 1,011.50   | 1,633.91             | 1,575.20              | 58.71                   | 27.830            |                    |         |
| 6,100.00                   | 5,972.78            | 5,851.21            | 5,631.69            | 30.37           | 32.78       | 108.12                | -1,266.33                         | 1,030.45   | 1,661.55             | 1,601.83              | 59.72                   | 27.823            |                    |         |
| 6,200.00                   | 6,070.41            | 5,947.31            | 5,723.65            | 30.88           | 33.35       | 108.12                | -1,286.83                         | 1,049.40   | 1,689.19             | 1,628.46              | 60.73                   | 27.816            |                    |         |
| 6,300.00                   | 6,168.05            | 6,043.41            | 5,815.60            | 31.39           | 33.91       | 108.12                | -1,307.33                         | 1,068.36   | 1,716.83             | 1,655.10              | 61.74                   | 27.809            |                    |         |
| 6,400.00                   | 6,265.69            | 6,139.52            | 5,907.56            | 31.90           | 34.47       | 108.12                | -1,327.84                         | 1,087.31   | 1,744.47             | 1,681.73              | 62.75                   | 27.802            |                    |         |
| 6,439.09                   | 6,303.85            | 6,177.08            | 5,943.51            | 32.10           | 34.69       | 108.12                | -1,335.85                         | 1,094.72   | 1,755.28             | 1,692.14              | 63.14                   | 27.799            |                    |         |
| 6,450.00                   | 6,314.53            | 6,187.57            | 5,953.54            | 32.16           | 34.75       | 109.87                | -1,338.09                         | 1,096.78   | 1,758.30             | 1,695.05              | 63.25                   | 27.799            |                    |         |
| 6,500.00                   | 6,363.83            | 6,235.53            | 5,999.44            | 32.39           | 35.04       | 122.48                | -1,348.32                         | 1,106.24   | 1,772.08             | 1,708.35              | 63.73                   | 27.806            |                    |         |
| 6,550.00                   | 6,413.58            | 6,283.14            | 6,044.99            | 32.60           | 35.32       | 156.12                | -1,358.48                         | 1,115.63   | 1,785.77             | 1,721.60              | 64.17                   | 27.827            |                    |         |
| 6,600.00                   | 6,463.45            | 6,330.10            | 6,089.93            | 32.79           | 35.59       | -142.12               | -1,368.50                         | 1,124.89   | 1,799.32             | 1,734.73              | 64.59                   | 27.859            |                    |         |
| 6,650.00                   | 6,513.15            | 6,376.12            | 6,133.96            | 32.97           | 35.86       | -113.81               | -1,378.32                         | 1,133.97   | 1,812.71             | 1,747.73              | 64.98                   | 27.898            |                    |         |
| 6,700.00                   | 6,562.37            | 6,420.92            | 6,176.83            | 33.15           | 36.12       | -103.12               | -1,387.87                         | 1,142.81   | 1,825.94             | 1,760.59              | 65.35                   | 27.941            |                    |         |
| 6,750.00                   | 6,610.80            | 6,464.22            | 6,218.25            | 33.34           | 36.38       | -97.70                | -1,397.11                         | 1,151.34   | 1,839.05             | 1,773.33              | 65.72                   | 27.985            |                    |         |
| 6,800.00                   | 6,658.14            | 6,505.75            | 6,257.99            | 33.53           | 36.62       | -94.39                | -1,405.97                         | 1,159.53   | 1,852.06             | 1,785.99              | 66.07                   | 28.031            |                    |         |
| 6,850.00                   | 6,704.11            | 6,545.25            | 6,295.80            | 33.74           | 36.85       | -92.12                | -1,414.40                         | 1,167.33   | 1,865.02             | 1,798.60              | 66.42                   | 28.079            |                    |         |
| 6,900.00                   | 6,748.42            | 6,582.49            | 6,331.43            | 33.97           | 37.07       | -90.42                | -1,422.35                         | 1,174.67   | 1,877.99             | 1,811.23              | 66.76                   | 28.130            |                    |         |
| 6,950.00                   | 6,790.79            | 6,617.24            | 6,364.68            | 34.21           | 37.28       | -89.07                | -1,429.76                         | 1,181.52   | 1,891.04             | 1,823.94              | 67.10                   | 28.182            |                    |         |
| 7,000.00                   | 6,830.97            | 6,651.63            | 6,397.62            | 34.48           | 37.48       | -87.98                | -1,437.11                         | 1,188.12   | 1,904.21             | 1,836.75              | 67.46                   | 28.226            |                    |         |
| 7,050.00                   | 6,868.71            | 6,689.72            | 6,434.40            | 34.77           | 37.68       | -87.13                | -1,445.33                         | 1,193.59   | 1,917.46             | 1,849.58              | 67.89                   | 28.246            |                    |         |
| 7,100.00                   | 6,903.77            | 6,730.06            | 6,473.62            | 35.09           | 37.88       | -86.45                | -1,454.12                         | 1,196.91   | 1,930.74             | 1,862.38              | 68.36                   | 28.245            |                    |         |
| 7,150.00                   | 6,935.93            | 6,773.32            | 6,515.82            | 35.44           | 38.07       | -85.93                | -1,463.60                         | 1,197.64   | 1,943.99             | 1,875.11              | 68.88                   | 28.222            |                    |         |
| 7,200.00                   | 6,965.01            | 6,820.44            | 6,561.71            | 35.83           | 38.25       | -85.58                | -1,473.95                         | 1,195.09   | 1,957.15             | 1,887.68              | 69.47                   | 28.172            |                    |         |
| 7,250.00                   | 6,990.82            | 6,872.79            | 6,612.30            | 36.26           | 38.42       | -85.41                | -1,485.39                         | 1,188.19   | 1,970.15             | 1,900.03              | 70.13                   | 28.094            |                    |         |
| 7,300.00                   | 7,013.20            | 6,932.33            | 6,668.95            | 36.72           | 38.59       | -85.45                | -1,498.25                         | 1,175.20   | 1,982.89             | 1,912.03              | 70.86                   | 27.982            |                    |         |
| 7,350.00                   | 7,032.02            | 7,002.09            | 6,733.44            | 37.23           | 38.77       | -85.75                | -1,512.97                         | 1,153.15   | 1,995.22             | 1,923.53              | 71.69                   | 27.832            |                    |         |
| 7,400.00                   | 7,047.15            | 7,086.67            | 6,807.87            | 37.77           | 38.99       | -86.38                | -1,530.05                         | 1,116.93   | 2,006.93             | 1,934.30              | 72.62                   | 27.636            |                    |         |
| 7,450.00                   | 7,058.51            | 7,193.09            | 6,893.75            | 38.34           | 39.29       | -87.41                | -1,549.93                         | 1,057.54   | 2,017.67             | 1,943.96              | 73.72                   | 27.370            |                    |         |
| 7,500.00                   | 7,066.02            | 7,331.21            | 6,988.70            | 38.95           | 39.78       | -88.84                | -1,572.21                         | 960.11     | 2,026.89             | 1,951.75              | 75.14                   | 26.976            |                    |         |
| 7,550.00                   | 7,069.64            | 7,500.00            | 7,066.43            | 39.58           | 40.93       | -90.13                | -1,590.92                         | 831.18     | 2,033.60             | 1,956.06              | 77.55                   | 26.225            |                    |         |
| 7,571.20                   | 7,070.00            | 7,600.49            | 7,105.34            | 39.85           | 41.32       | -91.00                | -1,600.71                         | 721.33     | 2,035.51             | 1,956.94              | 78.56                   | 25.909            |                    |         |
| 7,600.00                   | 7,070.00            | 7,731.60            | 7,124.34            | 40.23           | 42.45       | -91.53                | -1,606.21                         | 591.96     | 2,036.82             | 1,956.13              | 80.70                   | 25.241            |                    |         |
| 7,700.00                   | 7,070.01            | 7,853.55            | 7,125.23            | 41.64           | 43.74       | -91.55                | -1,607.56                         | 470.02     | 2,037.83             | 1,954.06              | 83.77                   | 24.326            |                    |         |
| 7,800.00                   | 7,070.02            | 7,953.55            | 7,125.47            | 43.20           | 44.99       | -91.56                | -1,608.56                         | 370.03     | 2,038.80             | 1,952.01              | 86.80                   | 23.490            |                    |         |
| 7,900.00                   | 7,070.03            | 8,053.54            | 7,125.71            | 44.89           | 46.40       | -91.56                | -1,609.57                         | 270.04     | 2,039.78             | 1,949.70              | 90.08                   | 22.644            |                    |         |
| 8,000.00                   | 7,070.04            | 8,153.54            | 7,125.95            | 46.69           | 47.96       | -91.57                | -1,610.57                         | 170.05     | 2,040.75             | 1,947.16              | 93.60                   | 21.804            |                    |         |
| 8,100.00                   | 7,070.05            | 8,253.53            | 7,126.19            | 48.60           | 49.66       | -91.58                | -1,611.57                         | 70.06      | 2,041.73             | 1,944.40              | 97.32                   | 20.979            |                    |         |
| 8,200.00                   | 7,070.05            | 8,353.53            | 7,126.43            | 50.59           | 51.47       | -91.58                | -1,612.57                         | -29.93     | 2,042.70             | 1,941.47              | 101.23                  | 20.178            |                    |         |
| 8,300.00                   | 7,070.06            | 8,453.52            | 7,126.67            | 52.66           | 53.39       | -91.59                | -1,613.57                         | -129.92    | 2,043.67             | 1,938.36              | 105.31                  | 19.406            |                    |         |
| 8,400.00                   | 7,070.07            | 8,553.52            | 7,126.91            | 54.81           | 55.40       | -91.59                | -1,614.57                         | -229.91    | 2,044.65             | 1,935.11              | 109.53                  | 18.667            |                    |         |
| 8,500.00                   | 7,070.08            | 8,653.51            | 7,127.15            | 57.02           | 57.48       | -91.60                | -1,615.57                         | -329.90    | 2,045.62             | 1,931.73              | 113.89                  | 17.962            |                    |         |
| 8,600.00                   | 7,070.09            | 8,753.51            | 7,127.39            | 59.28           | 59.64       | -91.60                | -1,616.58                         | -429.89    | 2,046.59             | 1,928.24              | 118.36                  | 17.292            |                    |         |
| 8,700.00                   | 7,070.10            | 8,853.50            | 7,127.63            | 61.60           | 61.86       | -91.61                | -1,617.58                         | -529.88    | 2,047.57             | 1,924.64              | 122.93                  | 16.657            |                    |         |
| 8,800.00                   | 7,070.11            | 8,953.50            | 7,127.87            | 63.95           | 64.13       | -91.62                | -1,618.58                         | -629.87    | 2,048.54             | 1,920.95              | 127.59                  | 16.055            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00   | 7,070.12            | 9,053.49            | 7,128.11            | 66.35           | 66.45       | -91.62                | -1,619.58                         | -729.86    | 2,049.52             | 1,917.18              | 132.34                  | 15.487            |                    |         |
| 9,000.00   | 7,070.13            | 9,153.49            | 7,128.35            | 68.79           | 68.81       | -91.63                | -1,620.58                         | -829.85    | 2,050.49             | 1,913.33              | 137.16                  | 14.950            |                    |         |
| 9,100.00   | 7,070.13            | 9,253.48            | 7,128.59            | 71.25           | 71.21       | -91.63                | -1,621.58                         | -929.83    | 2,051.46             | 1,909.42              | 142.05                  | 14.442            |                    |         |
| 9,200.00   | 7,070.14            | 9,353.48            | 7,128.83            | 73.74           | 73.64       | -91.64                | -1,622.59                         | -1,029.82  | 2,052.44             | 1,905.45              | 146.99                  | 13.963            |                    |         |
| 9,300.00   | 7,070.15            | 9,453.47            | 7,129.07            | 76.26           | 76.11       | -91.64                | -1,623.59                         | -1,129.81  | 2,053.41             | 1,901.42              | 151.99                  | 13.510            |                    |         |
| 9,400.00   | 7,070.16            | 9,553.47            | 7,129.30            | 78.80           | 78.60       | -91.65                | -1,624.59                         | -1,229.80  | 2,054.39             | 1,897.34              | 157.04                  | 13.082            |                    |         |
| 9,500.00   | 7,070.17            | 9,653.46            | 7,129.54            | 81.37           | 81.12       | -91.66                | -1,625.59                         | -1,329.79  | 2,055.36             | 1,893.22              | 162.14                  | 12.677            |                    |         |
| 9,600.00   | 7,070.18            | 9,753.46            | 7,129.78            | 83.95           | 83.66       | -91.66                | -1,626.59                         | -1,429.78  | 2,056.34             | 1,889.07              | 167.27                  | 12.294            |                    |         |
| 9,700.00   | 7,070.19            | 9,853.45            | 7,130.02            | 86.55           | 86.22       | -91.67                | -1,627.59                         | -1,529.77  | 2,057.31             | 1,884.87              | 172.44                  | 11.931            |                    |         |
| 9,800.00   | 7,070.20            | 9,953.45            | 7,130.26            | 89.17           | 88.80       | -91.67                | -1,628.59                         | -1,629.76  | 2,058.28             | 1,880.64              | 177.64                  | 11.587            |                    |         |
| 9,900.00   | 7,070.21            | 10,053.44           | 7,130.50            | 91.80           | 91.39       | -91.68                | -1,629.60                         | -1,729.75  | 2,059.26             | 1,876.38              | 182.88                  | 11.260            |                    |         |
| 10,000.00  | 7,070.21            | 10,153.44           | 7,130.74            | 94.44           | 94.00       | -91.68                | -1,630.60                         | -1,829.74  | 2,060.23             | 1,872.09              | 188.14                  | 10.951            |                    |         |
| 10,100.00  | 7,070.22            | 10,253.43           | 7,130.98            | 97.10           | 96.63       | -91.69                | -1,631.60                         | -1,929.73  | 2,061.21             | 1,867.78              | 193.43                  | 10.656            |                    |         |
| 10,200.00  | 7,070.23            | 10,353.43           | 7,131.22            | 99.77           | 99.27       | -91.69                | -1,632.60                         | -2,029.72  | 2,062.18             | 1,863.44              | 198.74                  | 10.376            |                    |         |
| 10,300.00  | 7,070.24            | 10,453.43           | 7,131.46            | 102.44          | 101.92      | -91.70                | -1,633.60                         | -2,129.71  | 2,063.16             | 1,859.09              | 204.07                  | 10.110            |                    |         |
| 10,400.00  | 7,070.25            | 10,553.42           | 7,131.70            | 105.13          | 104.58      | -91.71                | -1,634.60                         | -2,229.70  | 2,064.13             | 1,854.71              | 209.42                  | 9.856             |                    |         |
| 10,500.00  | 7,070.26            | 10,653.42           | 7,131.94            | 107.83          | 107.25      | -91.71                | -1,635.60                         | -2,329.69  | 2,065.10             | 1,850.31              | 214.79                  | 9.614             |                    |         |
| 10,600.00  | 7,070.27            | 10,753.41           | 7,132.18            | 110.53          | 109.93      | -91.72                | -1,636.61                         | -2,429.68  | 2,066.08             | 1,845.90              | 220.18                  | 9.383             |                    |         |
| 10,700.00  | 7,070.28            | 10,853.41           | 7,132.42            | 113.24          | 112.62      | -91.72                | -1,637.61                         | -2,529.67  | 2,067.05             | 1,841.46              | 225.59                  | 9.163             |                    |         |
| 10,800.00  | 7,070.28            | 10,953.40           | 7,132.66            | 115.96          | 115.32      | -91.73                | -1,638.61                         | -2,629.66  | 2,068.03             | 1,837.02              | 231.01                  | 8.952             |                    |         |
| 10,900.00  | 7,070.29            | 11,053.40           | 7,132.90            | 118.69          | 118.03      | -91.73                | -1,639.61                         | -2,729.65  | 2,069.00             | 1,832.56              | 236.44                  | 8.751             |                    |         |
| 11,000.00  | 7,070.30            | 11,153.39           | 7,133.14            | 121.42          | 120.74      | -91.74                | -1,640.61                         | -2,829.64  | 2,069.98             | 1,828.09              | 241.89                  | 8.558             |                    |         |
| 11,100.00  | 7,070.31            | 11,253.39           | 7,133.38            | 124.16          | 123.46      | -91.75                | -1,641.61                         | -2,929.63  | 2,070.95             | 1,823.60              | 247.35                  | 8.373             |                    |         |
| 11,200.00  | 7,070.32            | 11,353.38           | 7,133.62            | 126.90          | 126.19      | -91.75                | -1,642.62                         | -3,029.62  | 2,071.92             | 1,819.11              | 252.81                  | 8.195             |                    |         |
| 11,300.00  | 7,070.33            | 11,453.38           | 7,133.86            | 129.65          | 128.92      | -91.76                | -1,643.62                         | -3,129.61  | 2,072.90             | 1,814.60              | 258.29                  | 8.025             |                    |         |
| 11,400.00  | 7,070.34            | 11,553.37           | 7,134.10            | 132.40          | 131.66      | -91.76                | -1,644.62                         | -3,229.60  | 2,073.87             | 1,810.09              | 263.78                  | 7.862             |                    |         |
| 11,500.00  | 7,070.35            | 11,653.37           | 7,134.34            | 135.16          | 134.40      | -91.77                | -1,645.62                         | -3,329.59  | 2,074.85             | 1,805.56              | 269.28                  | 7.705             |                    |         |
| 11,600.00  | 7,070.36            | 11,753.36           | 7,134.58            | 137.92          | 137.14      | -91.77                | -1,646.62                         | -3,429.58  | 2,075.82             | 1,801.03              | 274.79                  | 7.554             |                    |         |
| 11,700.00  | 7,070.36            | 11,853.36           | 7,134.82            | 140.69          | 139.89      | -91.78                | -1,647.62                         | -3,529.57  | 2,076.80             | 1,796.49              | 280.31                  | 7.409             |                    |         |
| 11,800.00  | 7,070.37            | 11,953.35           | 7,135.06            | 143.46          | 142.65      | -91.78                | -1,648.62                         | -3,629.56  | 2,077.77             | 1,791.94              | 285.83                  | 7.269             |                    |         |
| 11,900.00  | 7,070.38            | 12,053.35           | 7,135.30            | 146.23          | 145.41      | -91.79                | -1,649.63                         | -3,729.55  | 2,078.75             | 1,787.38              | 291.36                  | 7.135             |                    |         |
| 12,000.00  | 7,070.39            | 12,153.34           | 7,135.54            | 149.01          | 148.17      | -91.80                | -1,650.63                         | -3,829.54  | 2,079.72             | 1,782.82              | 296.90                  | 7.005             |                    |         |
| 12,100.00  | 7,070.40            | 12,253.34           | 7,135.78            | 151.79          | 150.94      | -91.80                | -1,651.63                         | -3,929.53  | 2,080.70             | 1,778.25              | 302.45                  | 6.880             |                    |         |
| 12,200.00  | 7,070.41            | 12,353.33           | 7,136.02            | 154.57          | 153.71      | -91.81                | -1,652.63                         | -4,029.52  | 2,081.67             | 1,773.67              | 308.00                  | 6.759             |                    |         |
| 12,300.00  | 7,070.42            | 12,453.33           | 7,136.26            | 157.35          | 156.48      | -91.81                | -1,653.63                         | -4,129.51  | 2,082.64             | 1,769.09              | 313.55                  | 6.642             |                    |         |
| 12,400.00  | 7,070.43            | 12,553.32           | 7,136.50            | 160.14          | 159.26      | -91.82                | -1,654.63                         | -4,229.50  | 2,083.62             | 1,764.50              | 319.12                  | 6.529             |                    |         |
| 12,500.00  | 7,070.44            | 12,653.32           | 7,136.74            | 162.93          | 162.04      | -91.82                | -1,655.63                         | -4,329.49  | 2,084.59             | 1,759.91              | 324.68                  | 6.420             |                    |         |
| 12,600.00  | 7,070.44            | 12,753.31           | 7,136.98            | 165.72          | 164.82      | -91.83                | -1,656.64                         | -4,429.48  | 2,085.57             | 1,755.31              | 330.26                  | 6.315             |                    |         |
| 12,700.00  | 7,070.45            | 12,853.31           | 7,137.22            | 168.52          | 167.60      | -91.83                | -1,657.64                         | -4,529.47  | 2,086.54             | 1,750.71              | 335.83                  | 6.213             |                    |         |
| 12,800.00  | 7,070.46            | 12,953.30           | 7,137.46            | 171.32          | 170.39      | -91.84                | -1,658.64                         | -4,629.46  | 2,087.52             | 1,746.10              | 341.41                  | 6.114             |                    |         |
| 12,900.00  | 7,070.47            | 13,053.30           | 7,137.70            | 174.11          | 173.18      | -91.84                | -1,659.64                         | -4,729.45  | 2,088.49             | 1,741.49              | 347.00                  | 6.019             |                    |         |
| 13,000.00  | 7,070.48            | 13,153.29           | 7,137.94            | 176.92          | 175.97      | -91.85                | -1,660.64                         | -4,829.44  | 2,089.47             | 1,736.88              | 352.59                  | 5.926             |                    |         |
| 13,100.00  | 7,070.49            | 13,253.29           | 7,138.18            | 179.72          | 178.76      | -91.86                | -1,661.64                         | -4,929.42  | 2,090.44             | 1,732.26              | 358.18                  | 5.836             |                    |         |
| 13,200.00  | 7,070.50            | 13,353.28           | 7,138.42            | 182.52          | 181.56      | -91.86                | -1,662.65                         | -5,029.41  | 2,091.42             | 1,727.64              | 363.78                  | 5.749             |                    |         |
| 13,300.00  | 7,070.51            | 13,453.28           | 7,138.66            | 185.33          | 184.35      | -91.87                | -1,663.65                         | -5,129.40  | 2,092.39             | 1,723.01              | 369.38                  | 5.665             |                    |         |
| 13,400.00  | 7,070.52            | 13,553.27           | 7,138.90            | 188.14          | 187.15      | -91.87                | -1,664.65                         | -5,229.39  | 2,093.37             | 1,718.38              | 374.99                  | 5.583             |                    |         |
| 13,500.00  | 7,070.52            | 13,653.27           | 7,139.14            | 190.95          | 189.95      | -91.88                | -1,665.65                         | -5,329.38  | 2,094.34             | 1,713.75              | 380.59                  | 5.503             |                    |         |
| 13,600.00  | 7,070.53            | 13,753.26           | 7,139.38            | 193.76          | 192.75      | -91.88                | -1,666.65                         | -5,429.37  | 2,095.32             | 1,709.11              | 386.20                  | 5.425             |                    |         |
| 13,700.00  | 7,070.54            | 13,853.26           | 7,139.62            | 196.57          | 195.56      | -91.89                | -1,667.65                         | -5,529.36  | 2,096.29             | 1,704.47              | 391.82                  | 5.350             |                    |         |
| 13,800.00  | 7,070.55            | 13,953.25           | 7,139.85            | 199.38          | 198.36      | -91.89                | -1,668.65                         | -5,629.35  | 2,097.27             | 1,699.83              | 397.43                  | 5.277             |                    |         |
| 13,900.00  | 7,070.56            | 14,053.25           | 7,140.09            | 202.20          | 201.17      | -91.90                | -1,669.66                         | -5,729.34  | 2,098.24             | 1,695.19              | 403.05                  | 5.206             |                    |         |
| 14,000.00  | 7,070.57            | 14,153.24           | 7,140.33            | 205.01          | 203.98      | -91.90                | -1,670.66                         | -5,829.33  | 2,099.22             | 1,690.54              | 408.67                  | 5.137             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1 |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------------------|--------------------------|--------------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                |             |                                   |                          |                                      |            |                      |                       |                         | Offset Well Error: | 3.28 ft |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Semi Major Axis<br>Reference (ft) | Highside<br>Toolface (°) | Offset Wellbore Centre<br>+N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor  | Warning |
| 14,100.00  | 7,070.58            | 14,253.24           | 7,140.57            | 207.83         | 206.79      | -91.91                            |                          | -1,671.66                            | -5,929.32  | 2,100.19             | 1,685.89              | 414.30                  | 5.069              |         |
| 14,200.00  | 7,070.59            | 14,353.23           | 7,140.81            | 210.65         | 209.60      | -91.92                            |                          | -1,672.66                            | -6,029.31  | 2,101.17             | 1,681.24              | 419.93                  | 5.004              |         |
| 14,300.00  | 7,070.60            | 14,453.23           | 7,141.05            | 213.47         | 212.41      | -91.92                            |                          | -1,673.66                            | -6,129.30  | 2,102.14             | 1,676.59              | 425.55                  | 4.940              |         |
| 14,400.00  | 7,070.60            | 14,553.22           | 7,141.29            | 216.29         | 215.22      | -91.93                            |                          | -1,674.66                            | -6,229.29  | 2,103.12             | 1,671.93              | 431.18                  | 4.878              |         |
| 14,500.00  | 7,070.61            | 14,653.22           | 7,141.53            | 219.11         | 218.04      | -91.93                            |                          | -1,675.66                            | -6,329.28  | 2,104.09             | 1,667.28              | 436.82                  | 4.817              |         |
| 14,600.00  | 7,070.62            | 14,753.21           | 7,141.77            | 221.94         | 220.85      | -91.94                            |                          | -1,676.67                            | -6,429.27  | 2,105.07             | 1,662.62              | 442.45                  | 4.758              |         |
| 14,700.00  | 7,070.63            | 14,853.21           | 7,142.01            | 224.76         | 223.67      | -91.94                            |                          | -1,677.67                            | -6,529.26  | 2,106.04             | 1,657.95              | 448.09                  | 4.700              |         |
| 14,800.00  | 7,070.64            | 14,953.20           | 7,142.25            | 227.58         | 226.49      | -91.95                            |                          | -1,678.67                            | -6,629.25  | 2,107.02             | 1,653.29              | 453.73                  | 4.644              |         |
| 14,900.00  | 7,070.65            | 15,053.20           | 7,142.49            | 230.41         | 229.31      | -91.95                            |                          | -1,679.67                            | -6,729.24  | 2,107.99             | 1,648.62              | 459.37                  | 4.589              |         |
| 15,000.00  | 7,070.66            | 15,153.19           | 7,142.73            | 233.24         | 232.13      | -91.96                            |                          | -1,680.67                            | -6,829.23  | 2,108.97             | 1,643.96              | 465.01                  | 4.535              |         |
| 15,100.00  | 7,070.67            | 15,253.19           | 7,142.97            | 236.06         | 234.95      | -91.96                            |                          | -1,681.67                            | -6,929.22  | 2,109.94             | 1,639.29              | 470.66                  | 4.483              |         |
| 15,200.00  | 7,070.68            | 15,353.18           | 7,143.21            | 238.89         | 237.77      | -91.97                            |                          | -1,682.68                            | -7,029.21  | 2,110.92             | 1,634.62              | 476.30                  | 4.432              |         |
| 15,300.00  | 7,070.68            | 15,453.18           | 7,143.45            | 241.72         | 240.59      | -91.97                            |                          | -1,683.68                            | -7,129.20  | 2,111.89             | 1,629.95              | 481.95                  | 4.382              |         |
| 15,400.00  | 7,070.69            | 15,553.17           | 7,143.69            | 244.55         | 243.41      | -91.98                            |                          | -1,684.68                            | -7,229.19  | 2,112.87             | 1,625.27              | 487.60                  | 4.333              |         |
| 15,500.00  | 7,070.70            | 15,653.17           | 7,143.93            | 247.38         | 246.24      | -91.99                            |                          | -1,685.68                            | -7,329.18  | 2,113.84             | 1,620.60              | 493.25                  | 4.286              |         |
| 15,600.00  | 7,070.71            | 15,753.16           | 7,144.17            | 250.21         | 249.06      | -91.99                            |                          | -1,686.68                            | -7,429.17  | 2,114.82             | 1,615.92              | 498.90                  | 4.239              |         |
| 15,700.00  | 7,070.72            | 15,853.16           | 7,144.41            | 253.04         | 251.88      | -92.00                            |                          | -1,687.68                            | -7,529.16  | 2,115.80             | 1,611.24              | 504.55                  | 4.193              |         |
| 15,800.00  | 7,070.73            | 15,953.15           | 7,144.65            | 255.87         | 254.71      | -92.00                            |                          | -1,688.68                            | -7,629.15  | 2,116.77             | 1,606.57              | 510.20                  | 4.149              |         |
| 15,900.00  | 7,070.74            | 16,053.15           | 7,144.89            | 258.71         | 257.54      | -92.01                            |                          | -1,689.69                            | -7,729.14  | 2,117.75             | 1,601.89              | 515.86                  | 4.105              |         |
| 16,000.00  | 7,070.75            | 16,153.14           | 7,145.13            | 261.54         | 260.36      | -92.01                            |                          | -1,690.69                            | -7,829.13  | 2,118.72             | 1,597.20              | 521.52                  | 4.063              |         |
| 16,100.00  | 7,070.76            | 16,253.14           | 7,145.37            | 264.37         | 263.19      | -92.02                            |                          | -1,691.69                            | -7,929.12  | 2,119.70             | 1,592.52              | 527.17                  | 4.021              |         |
| 16,200.00  | 7,070.76            | 16,353.13           | 7,145.61            | 267.21         | 266.02      | -92.02                            |                          | -1,692.69                            | -8,029.11  | 2,120.67             | 1,587.84              | 532.83                  | 3.980              |         |
| 16,300.00  | 7,070.77            | 16,453.13           | 7,145.85            | 270.04         | 268.85      | -92.03                            |                          | -1,693.69                            | -8,129.10  | 2,121.65             | 1,583.15              | 538.49                  | 3.940              |         |
| 16,400.00  | 7,070.78            | 16,553.12           | 7,146.09            | 272.88         | 271.68      | -92.03                            |                          | -1,694.69                            | -8,229.09  | 2,122.62             | 1,578.47              | 544.15                  | 3.901              |         |
| 16,500.00  | 7,070.79            | 16,653.12           | 7,146.33            | 275.71         | 274.51      | -92.04                            |                          | -1,695.69                            | -8,329.08  | 2,123.60             | 1,573.78              | 549.82                  | 3.862              |         |
| 16,600.00  | 7,070.80            | 16,753.11           | 7,146.57            | 278.55         | 277.34      | -92.04                            |                          | -1,696.70                            | -8,429.07  | 2,124.57             | 1,569.09              | 555.48                  | 3.825              |         |
| 16,700.00  | 7,070.81            | 16,853.11           | 7,146.81            | 281.39         | 280.17      | -92.05                            |                          | -1,697.70                            | -8,529.06  | 2,125.55             | 1,564.41              | 561.14                  | 3.788              |         |
| 16,800.00  | 7,070.82            | 16,953.10           | 7,147.05            | 284.22         | 283.00      | -92.05                            |                          | -1,698.70                            | -8,629.05  | 2,126.53             | 1,559.72              | 566.81                  | 3.752              |         |
| 16,900.00  | 7,070.83            | 17,053.10           | 7,147.29            | 287.06         | 285.83      | -92.06                            |                          | -1,699.70                            | -8,729.04  | 2,127.50             | 1,555.03              | 572.47                  | 3.716              |         |
| 17,000.00  | 7,070.84            | 17,153.09           | 7,147.53            | 289.90         | 288.67      | -92.07                            |                          | -1,700.70                            | -8,829.02  | 2,128.48             | 1,550.34              | 578.14                  | 3.682              |         |
| 17,100.00  | 7,070.84            | 17,253.09           | 7,147.77            | 292.74         | 291.50      | -92.07                            |                          | -1,701.71                            | -8,929.01  | 2,129.45             | 1,545.64              | 583.81                  | 3.648              |         |
| 17,200.00  | 7,070.85            | 17,353.08           | 7,148.01            | 295.58         | 294.33      | -92.08                            |                          | -1,702.71                            | -9,029.00  | 2,130.43             | 1,540.95              | 589.48                  | 3.614              |         |
| 17,300.00  | 7,070.86            | 17,453.08           | 7,148.25            | 298.42         | 297.17      | -92.08                            |                          | -1,703.71                            | -9,128.99  | 2,131.40             | 1,536.26              | 595.15                  | 3.581              |         |
| 17,400.00  | 7,070.87            | 17,553.07           | 7,148.49            | 301.26         | 300.00      | -92.09                            |                          | -1,704.71                            | -9,228.98  | 2,132.38             | 1,531.56              | 600.82                  | 3.549              |         |
| 17,500.00  | 7,070.88            | 17,653.07           | 7,148.73            | 304.10         | 302.84      | -92.09                            |                          | -1,705.71                            | -9,328.97  | 2,133.35             | 1,526.87              | 606.49                  | 3.518              |         |
| 17,600.00  | 7,070.89            | 17,753.06           | 7,148.97            | 306.94         | 305.67      | -92.10                            |                          | -1,706.71                            | -9,428.96  | 2,134.33             | 1,522.17              | 612.16                  | 3.487              |         |
| 17,700.00  | 7,070.90            | 17,853.06           | 7,149.21            | 309.78         | 308.51      | -92.10                            |                          | -1,707.71                            | -9,528.95  | 2,135.31             | 1,517.48              | 617.83                  | 3.456              |         |
| 17,800.00  | 7,070.91            | 17,953.05           | 7,149.45            | 312.62         | 311.34      | -92.11                            |                          | -1,708.71                            | -9,628.94  | 2,136.28             | 1,512.78              | 623.50                  | 3.426              |         |
| 17,900.00  | 7,070.92            | 18,053.05           | 7,149.69            | 315.46         | 314.18      | -92.11                            |                          | -1,709.72                            | -9,728.93  | 2,137.26             | 1,508.08              | 629.18                  | 3.397              |         |
| 18,000.00  | 7,070.92            | 18,153.04           | 7,149.93            | 318.31         | 317.02      | -92.12                            |                          | -1,710.72                            | -9,828.92  | 2,138.23             | 1,503.38              | 634.85                  | 3.368              |         |
| 18,100.00  | 7,070.93            | 18,253.04           | 7,150.17            | 321.15         | 319.86      | -92.12                            |                          | -1,711.72                            | -9,928.91  | 2,139.21             | 1,498.68              | 640.53                  | 3.340              |         |
| 18,200.00  | 7,070.94            | 18,353.03           | 7,150.40            | 323.99         | 322.69      | -92.13                            |                          | -1,712.72                            | -10,028.90 | 2,140.18             | 1,493.98              | 646.20                  | 3.312              |         |
| 18,300.00  | 7,070.95            | 18,453.03           | 7,150.64            | 326.83         | 325.53      | -92.13                            |                          | -1,713.72                            | -10,128.89 | 2,141.16             | 1,489.28              | 651.88                  | 3.285              |         |
| 18,400.00  | 7,070.96            | 18,553.02           | 7,150.88            | 329.68         | 328.37      | -92.14                            |                          | -1,714.72                            | -10,228.88 | 2,142.14             | 1,484.58              | 657.55                  | 3.258              |         |
| 18,500.00  | 7,070.97            | 18,653.02           | 7,151.12            | 332.52         | 331.21      | -92.14                            |                          | -1,715.72                            | -10,328.87 | 2,143.11             | 1,479.88              | 663.23                  | 3.231              |         |
| 18,600.00  | 7,070.98            | 18,753.01           | 7,151.36            | 335.36         | 334.05      | -92.15                            |                          | -1,716.73                            | -10,428.86 | 2,144.09             | 1,475.18              | 668.91                  | 3.205              |         |
| 18,700.00  | 7,070.99            | 18,853.01           | 7,151.60            | 338.21         | 336.89      | -92.15                            |                          | -1,717.73                            | -10,528.85 | 2,145.06             | 1,470.48              | 674.59                  | 3.180              |         |
| 18,800.00  | 7,070.99            | 18,953.00           | 7,151.84            | 341.05         | 339.72      | -92.16                            |                          | -1,718.73                            | -10,628.84 | 2,146.04             | 1,465.77              | 680.27                  | 3.155              |         |
| 18,858.54  | 7,071.00            | 19,011.54           | 7,151.98            | 342.72         | 341.39      | -92.16                            |                          | -1,719.32                            | -10,687.37 | 2,146.61             | 1,463.02              | 683.59                  | 3.140 SF           |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1 |                |                |                |                 |        |                   |                        |            |                 |                  |                    |                   | Offset Site Error: | 0.00 ft |
|--|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|--------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                |                |                |                 |        |                   |                        |            |                 |                  |                    |                   | Offset Well Error: | 3.28 ft |
| Reference  |                | Offset         |                | Semi Major Axis |        |                   | Distance               |            |                 |                  |                    |                   |                    | Warning |
| Measured Depth   | Vertical Depth | Measured Depth | Vertical Depth | Reference       | Offset | Highside Toolface | Offset Wellbore Centre |            | Between Centres | Between Ellipses | Minimum Separation | Separation Factor |                    |         |
| (ft)   | (ft)           | (ft)           | (ft)           | (ft)            | (ft)   | (°)               | +N/-S (ft)             | +E/-W (ft) | (ft)            | (ft)             | (ft)               |                   |                    |         |
| 0.00   | 0.00           | 0.00           | 0.00           | 3.28            | 3.28   | -179.43           | -194.90                | -1.95      | 194.91          |                  |                    |                   |                    |         |
| 100.00   | 100.00         | 100.00         | 100.00         | 3.28            | 3.28   | -179.43           | -194.90                | -1.95      | 194.91          | 188.34           | 6.57               | 29.670            |                    |         |
| 200.00   | 200.00         | 200.00         | 200.00         | 3.34            | 3.34   | -179.43           | -194.90                | -1.95      | 194.91          | 188.24           | 6.67               | 29.205            |                    |         |
| 300.00   | 300.00         | 300.00         | 300.00         | 3.44            | 3.44   | -179.43           | -194.90                | -1.95      | 194.91          | 188.02           | 6.89               | 28.290            | CC, ES             |         |
| 400.00   | 399.98         | 394.46         | 394.44         | 3.60            | 3.59   | 108.26            | -196.24                | -1.15      | 196.87          | 189.67           | 7.19               | 27.364            |                    |         |
| 500.00   | 499.84         | 488.67         | 488.53         | 3.80            | 3.77   | 108.79            | -200.25                | 1.21       | 202.74          | 195.15           | 7.59               | 26.722            |                    |         |
| 600.00   | 599.45         | 582.39         | 581.94         | 4.04            | 3.98   | 109.59            | -206.87                | 5.13       | 212.54          | 204.49           | 8.06               | 26.375            |                    |         |
| 700.00   | 698.70         | 675.39         | 674.32         | 4.32            | 4.22   | 110.59            | -216.04                | 10.56      | 226.32          | 217.72           | 8.59               | 26.331            |                    |         |
| 800.00   | 797.47         | 767.44         | 765.37         | 4.63            | 4.49   | 111.67            | -227.66                | 17.42      | 244.06          | 234.88           | 9.18               | 26.575            |                    |         |
| 900.00   | 895.62         | 858.33         | 854.80         | 4.97            | 4.79   | 112.75            | -241.59                | 25.66      | 265.78          | 255.96           | 9.82               | 27.073            |                    |         |
| 924.00   | 919.08         | 879.94         | 875.99         | 5.06            | 4.87   | 113.01            | -245.26                | 27.83      | 271.58          | 261.60           | 9.98               | 27.225            |                    |         |
| 1,000.00   | 993.28         | 948.01         | 942.49         | 5.34            | 5.11   | 113.98            | -257.72                | 35.20      | 291.04          | 280.56           | 10.48              | 27.772            |                    |         |
| 1,100.00   | 1,090.92       | 1,036.68       | 1,028.59       | 5.73            | 5.46   | 114.79            | -275.98                | 46.00      | 318.77          | 307.60           | 11.17              | 28.531            |                    |         |
| 1,200.00   | 1,188.56       | 1,124.22       | 1,112.90       | 6.15            | 5.83   | 115.17            | -296.26                | 57.99      | 348.81          | 336.93           | 11.88              | 29.350            |                    |         |
| 1,300.00   | 1,286.19       | 1,210.49       | 1,195.24       | 6.57            | 6.22   | 115.22            | -318.40                | 71.09      | 381.07          | 368.46           | 12.61              | 30.217            |                    |         |
| 1,400.00   | 1,383.83       | 1,295.35       | 1,275.45       | 7.01            | 6.62   | 115.01            | -342.25                | 85.19      | 415.47          | 402.12           | 13.35              | 31.128            |                    |         |
| 1,500.00   | 1,481.47       | 1,378.70       | 1,353.39       | 7.46            | 7.05   | 114.63            | -367.65                | 100.22     | 451.99          | 437.90           | 14.09              | 32.079            |                    |         |
| 1,600.00   | 1,579.10       | 1,460.44       | 1,428.97       | 7.91            | 7.50   | 114.11            | -394.45                | 116.07     | 490.60          | 475.77           | 14.83              | 33.075            |                    |         |
| 1,700.00   | 1,676.74       | 1,549.28       | 1,510.40       | 8.37            | 8.01   | 113.50            | -425.01                | 134.14     | 530.70          | 515.05           | 15.66              | 33.898            |                    |         |
| 1,800.00   | 1,774.38       | 1,640.71       | 1,594.19       | 8.84            | 8.56   | 112.94            | -456.52                | 152.77     | 570.91          | 554.38           | 16.52              | 34.552            |                    |         |
| 1,900.00   | 1,872.02       | 1,732.14       | 1,677.97       | 9.31            | 9.11   | 112.46            | -488.02                | 171.40     | 611.15          | 593.74           | 17.41              | 35.110            |                    |         |
| 2,000.00   | 1,969.65       | 1,823.58       | 1,761.76       | 9.79            | 9.68   | 112.04            | -519.53                | 190.04     | 651.43          | 633.12           | 18.30              | 35.588            |                    |         |
| 2,100.00   | 2,067.29       | 1,915.01       | 1,845.54       | 10.27           | 10.26  | 111.67            | -551.04                | 208.67     | 691.73          | 672.51           | 19.21              | 36.001            |                    |         |
| 2,200.00   | 2,164.93       | 2,006.44       | 1,929.33       | 10.75           | 10.85  | 111.34            | -582.54                | 227.30     | 732.05          | 711.91           | 20.13              | 36.358            |                    |         |
| 2,300.00   | 2,262.56       | 2,102.13       | 2,013.12       | 11.24           | 11.47  | 111.05            | -614.05                | 245.94     | 772.39          | 751.30           | 21.09              | 36.629            |                    |         |
| 2,400.00   | 2,360.20       | 2,189.31       | 2,096.90       | 11.73           | 12.04  | 110.78            | -645.56                | 264.57     | 812.75          | 790.75           | 22.00              | 36.942            |                    |         |
| 2,500.00   | 2,457.84       | 2,280.74       | 2,180.69       | 12.22           | 12.65  | 110.54            | -677.06                | 283.20     | 853.12          | 830.17           | 22.95              | 37.181            |                    |         |
| 2,600.00   | 2,555.48       | 2,372.17       | 2,264.47       | 12.71           | 13.26  | 110.32            | -708.57                | 301.83     | 893.50          | 869.60           | 23.90              | 37.392            |                    |         |
| 2,700.00   | 2,653.11       | 2,463.60       | 2,348.26       | 13.20           | 13.87  | 110.12            | -740.07                | 320.47     | 933.89          | 909.04           | 24.85              | 37.580            |                    |         |
| 2,800.00   | 2,750.75       | 2,555.04       | 2,432.05       | 13.70           | 14.48  | 109.93            | -771.58                | 339.10     | 974.29          | 948.48           | 25.81              | 37.747            |                    |         |
| 2,900.00   | 2,848.39       | 2,646.47       | 2,515.83       | 14.19           | 15.10  | 109.76            | -803.09                | 357.73     | 1,014.70        | 987.92           | 26.78              | 37.896            |                    |         |
| 3,000.00   | 2,946.02       | 2,737.90       | 2,599.62       | 14.69           | 15.72  | 109.61            | -834.59                | 376.36     | 1,055.12        | 1,027.37         | 27.74              | 38.030            |                    |         |
| 3,100.00   | 3,043.66       | 2,829.33       | 2,683.40       | 15.19           | 16.35  | 109.46            | -866.10                | 395.00     | 1,095.54        | 1,066.82         | 28.72              | 38.150            |                    |         |
| 3,200.00   | 3,141.30       | 2,920.77       | 2,767.19       | 15.69           | 16.97  | 109.33            | -897.60                | 413.63     | 1,135.96        | 1,106.27         | 29.69              | 38.259            |                    |         |
| 3,300.00   | 3,238.94       | 3,012.20       | 2,850.98       | 16.19           | 17.60  | 109.20            | -929.11                | 432.26     | 1,176.40        | 1,145.73         | 30.67              | 38.357            |                    |         |
| 3,400.00   | 3,336.57       | 3,103.63       | 2,934.76       | 16.69           | 18.23  | 109.08            | -960.62                | 450.89     | 1,216.83        | 1,185.18         | 31.65              | 38.447            |                    |         |
| 3,500.00   | 3,434.21       | 3,204.94       | 3,018.55       | 17.19           | 18.93  | 108.97            | -992.12                | 469.53     | 1,257.27        | 1,224.58         | 32.69              | 38.460            |                    |         |
| 3,600.00   | 3,531.85       | 3,286.50       | 3,102.33       | 17.69           | 19.49  | 108.87            | -1,023.63              | 488.16     | 1,297.72        | 1,264.10         | 33.62              | 38.603            |                    |         |
| 3,700.00   | 3,629.48       | 3,377.93       | 3,186.12       | 18.20           | 20.12  | 108.77            | -1,055.14              | 506.79     | 1,338.16        | 1,303.56         | 34.60              | 38.671            |                    |         |
| 3,800.00   | 3,727.12       | 3,469.36       | 3,269.91       | 18.70           | 20.75  | 108.68            | -1,086.64              | 525.43     | 1,378.61        | 1,343.02         | 35.59              | 38.733            |                    |         |
| 3,900.00   | 3,824.76       | 3,560.79       | 3,353.69       | 19.21           | 21.39  | 108.60            | -1,118.15              | 544.06     | 1,419.07        | 1,382.48         | 36.58              | 38.790            |                    |         |
| 4,000.00   | 3,922.40       | 3,652.23       | 3,437.48       | 19.71           | 22.02  | 108.52            | -1,149.65              | 562.69     | 1,459.52        | 1,421.95         | 37.57              | 38.843            |                    |         |
| 4,100.00   | 4,020.03       | 3,743.66       | 3,521.26       | 20.21           | 22.66  | 108.44            | -1,181.16              | 581.32     | 1,499.98        | 1,461.41         | 38.57              | 38.892            |                    |         |
| 4,200.00   | 4,117.67       | 3,835.09       | 3,605.05       | 20.72           | 23.30  | 108.37            | -1,212.67              | 599.96     | 1,540.44        | 1,500.88         | 39.56              | 38.937            |                    |         |
| 4,300.00   | 4,215.31       | 3,926.52       | 3,688.84       | 21.23           | 23.93  | 108.30            | -1,244.17              | 618.59     | 1,580.90        | 1,540.34         | 40.56              | 38.978            |                    |         |
| 4,400.00   | 4,312.94       | 4,017.96       | 3,772.62       | 21.73           | 24.57  | 108.23            | -1,275.68              | 637.22     | 1,621.36        | 1,579.81         | 41.56              | 39.017            |                    |         |
| 4,500.00   | 4,410.58       | 4,109.39       | 3,856.41       | 22.24           | 25.21  | 108.17            | -1,307.18              | 655.85     | 1,661.83        | 1,619.28         | 42.55              | 39.053            |                    |         |
| 4,600.00   | 4,508.22       | 4,200.82       | 3,940.19       | 22.75           | 25.85  | 108.11            | -1,338.69              | 674.49     | 1,702.30        | 1,658.74         | 43.55              | 39.086            |                    |         |
| 4,700.00   | 4,605.86       | 4,292.25       | 4,023.98       | 23.25           | 26.49  | 108.05            | -1,370.20              | 693.12     | 1,742.76        | 1,698.21         | 44.55              | 39.117            |                    |         |
| 4,800.00   | 4,703.49       | 4,383.69       | 4,107.77       | 23.76           | 27.13  | 108.00            | -1,401.70              | 711.75     | 1,783.23        | 1,737.68         | 45.55              | 39.146            |                    |         |
| 4,900.00   | 4,801.13       | 4,475.12       | 4,191.55       | 24.27           | 27.77  | 107.95            | -1,433.21              | 730.38     | 1,823.70        | 1,777.15         | 46.55              | 39.173            |                    |         |
| 5,000.00   | 4,898.77       | 4,566.55       | 4,275.34       | 24.77           | 28.41  | 107.90            | -1,464.72              | 749.02     | 1,864.18        | 1,816.62         | 47.56              | 39.199            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 4,657.98            | 4,359.12            | 25.28           | 29.05       | 107.85                | -1,496.22                         | 767.65     | 1,904.65             | 1,856.09              | 48.56                   | 39.222            |                    |         |
| 5,200.00                   | 5,094.04            | 4,749.42            | 4,442.91            | 25.79           | 29.69       | 107.81                | -1,527.73                         | 786.28     | 1,945.12             | 1,895.56              | 49.56                   | 39.244            |                    |         |
| 5,300.00                   | 5,191.68            | 4,840.85            | 4,526.70            | 26.30           | 30.34       | 107.76                | -1,559.23                         | 804.92     | 1,985.60             | 1,935.03              | 50.57                   | 39.265            |                    |         |
| 5,400.00                   | 5,289.32            | 4,932.28            | 4,610.48            | 26.81           | 30.98       | 107.72                | -1,590.74                         | 823.55     | 2,026.08             | 1,974.50              | 51.57                   | 39.285            |                    |         |
| 5,500.00                   | 5,386.95            | 5,023.71            | 4,694.27            | 27.32           | 31.62       | 107.68                | -1,622.25                         | 842.18     | 2,066.55             | 2,013.97              | 52.58                   | 39.303            |                    |         |
| 5,600.00                   | 5,484.59            | 5,115.15            | 4,778.05            | 27.83           | 32.26       | 107.64                | -1,653.75                         | 860.81     | 2,107.03             | 2,053.44              | 53.59                   | 39.320            |                    |         |
| 5,700.00                   | 5,582.23            | 5,206.58            | 4,861.84            | 28.33           | 32.91       | 107.61                | -1,685.26                         | 879.45     | 2,147.51             | 2,092.92              | 54.59                   | 39.337            |                    |         |
| 5,800.00                   | 5,679.87            | 5,298.01            | 4,945.63            | 28.84           | 33.55       | 107.57                | -1,716.76                         | 898.08     | 2,187.99             | 2,132.39              | 55.60                   | 39.352            |                    |         |
| 5,900.00                   | 5,777.50            | 5,389.44            | 5,029.41            | 29.35           | 34.19       | 107.54                | -1,748.27                         | 916.71     | 2,228.47             | 2,171.86              | 56.61                   | 39.366            |                    |         |
| 6,000.00                   | 5,875.14            | 5,480.88            | 5,113.20            | 29.86           | 34.84       | 107.50                | -1,779.78                         | 935.34     | 2,268.95             | 2,211.33              | 57.62                   | 39.380            |                    |         |
| 6,100.00                   | 5,972.78            | 5,572.31            | 5,196.98            | 30.37           | 35.48       | 107.47                | -1,811.28                         | 953.98     | 2,309.43             | 2,250.80              | 58.63                   | 39.392            |                    |         |
| 6,200.00                   | 6,070.41            | 5,663.74            | 5,280.77            | 30.88           | 36.12       | 107.44                | -1,842.79                         | 972.61     | 2,349.91             | 2,290.28              | 59.64                   | 39.404            |                    |         |
| 6,300.00                   | 6,168.05            | 5,755.17            | 5,364.56            | 31.39           | 36.77       | 107.41                | -1,874.29                         | 991.24     | 2,390.39             | 2,329.75              | 60.65                   | 39.416            |                    |         |
| 6,400.00                   | 6,265.69            | 5,846.61            | 5,448.34            | 31.90           | 37.41       | 107.38                | -1,905.80                         | 1,009.87   | 2,430.88             | 2,369.22              | 61.66                   | 39.426            |                    |         |
| 6,439.09                   | 6,303.85            | 5,882.34            | 5,481.09            | 32.10           | 37.67       | 107.37                | -1,918.12                         | 1,017.16   | 2,446.70             | 2,384.65              | 62.05                   | 39.430            |                    |         |
| 6,450.00                   | 6,314.53            | 5,907.68            | 5,490.23            | 32.16           | 37.84       | 109.27                | -1,921.55                         | 1,019.19   | 2,451.12             | 2,388.87              | 62.25                   | 39.374            |                    |         |
| 6,500.00                   | 6,363.83            | 5,937.91            | 5,532.01            | 32.39           | 38.06       | 122.59                | -1,937.26                         | 1,028.48   | 2,471.35             | 2,408.71              | 62.64                   | 39.453            |                    |         |
| 6,550.00                   | 6,413.58            | 5,983.09            | 5,573.41            | 32.60           | 38.38       | 156.97                | -1,952.83                         | 1,037.69   | 2,491.48             | 2,428.39              | 63.08                   | 39.494            |                    |         |
| 6,600.00                   | 6,463.45            | 6,027.60            | 5,614.19            | 32.79           | 38.69       | -140.51               | -1,968.17                         | 1,046.76   | 2,511.41             | 2,447.92              | 63.49                   | 39.553            |                    |         |
| 6,650.00                   | 6,513.15            | 6,071.14            | 5,654.10            | 32.97           | 39.00       | -111.44               | -1,983.17                         | 1,055.63   | 2,531.08             | 2,467.20              | 63.88                   | 39.621            |                    |         |
| 6,700.00                   | 6,562.37            | 6,113.46            | 5,692.88            | 33.15           | 39.30       | -99.97                | -1,997.76                         | 1,064.26   | 2,550.42             | 2,486.17              | 64.25                   | 39.693            |                    |         |
| 6,750.00                   | 6,610.80            | 6,154.30            | 5,730.30            | 33.34           | 39.58       | -93.79                | -2,011.83                         | 1,072.58   | 2,569.40             | 2,504.79              | 64.61                   | 39.767            |                    |         |
| 6,800.00                   | 6,658.14            | 6,206.61            | 5,766.13            | 33.53           | 39.95       | -89.74                | -2,025.30                         | 1,080.55   | 2,587.97             | 2,522.94              | 65.04                   | 39.791            |                    |         |
| 6,850.00                   | 6,704.11            | 6,230.51            | 5,800.14            | 33.74           | 40.12       | -86.75                | -2,038.09                         | 1,088.11   | 2,606.13             | 2,540.83              | 65.30                   | 39.910            |                    |         |
| 6,900.00                   | 6,748.42            | 6,265.42            | 5,832.13            | 33.97           | 40.37       | -84.39                | -2,050.12                         | 1,095.22   | 2,623.85             | 2,558.22              | 65.63                   | 39.978            |                    |         |
| 6,950.00                   | 6,790.79            | 6,302.09            | 5,861.90            | 34.21           | 40.63       | -82.42                | -2,061.31                         | 1,101.84   | 2,641.13             | 2,575.14              | 65.99                   | 40.025            |                    |         |
| 7,000.00                   | 6,830.97            | 6,327.78            | 5,889.27            | 34.48           | 40.81       | -80.71                | -2,071.60                         | 1,107.93   | 2,657.96             | 2,591.67              | 66.29                   | 40.096            |                    |         |
| 7,050.00                   | 6,868.71            | 6,354.83            | 5,914.07            | 34.77           | 41.00       | -79.19                | -2,080.93                         | 1,113.44   | 2,674.34             | 2,607.72              | 66.62                   | 40.144            |                    |         |
| 7,100.00                   | 6,903.77            | 6,378.92            | 5,936.14            | 35.09           | 41.17       | -77.80                | -2,089.23                         | 1,118.35   | 2,690.27             | 2,623.31              | 66.95                   | 40.181            |                    |         |
| 7,150.00                   | 6,935.93            | 6,400.12            | 5,955.34            | 35.44           | 41.32       | -76.50                | -2,096.45                         | 1,122.62   | 2,705.73             | 2,638.43              | 67.30                   | 40.205            |                    |         |
| 7,200.00                   | 6,965.01            | 6,417.59            | 5,971.57            | 35.83           | 41.44       | -75.26                | -2,102.55                         | 1,126.23   | 2,720.72             | 2,653.06              | 67.65                   | 40.216            |                    |         |
| 7,250.00                   | 6,990.82            | 6,431.94            | 5,984.72            | 36.26           | 41.54       | -74.07                | -2,107.50                         | 1,129.16   | 2,735.21             | 2,667.19              | 68.02                   | 40.212            |                    |         |
| 7,300.00                   | 7,013.20            | 6,442.84            | 5,994.71            | 36.72           | 41.62       | -72.91                | -2,111.25                         | 1,131.38   | 2,749.17             | 2,680.77              | 68.40                   | 40.192            |                    |         |
| 7,350.00                   | 7,032.02            | 6,450.22            | 6,001.47            | 37.23           | 41.67       | -71.77                | -2,113.80                         | 1,132.88   | 2,762.58             | 2,693.78              | 68.80                   | 40.156            |                    |         |
| 7,400.00                   | 7,047.15            | 6,454.04            | 6,004.97            | 37.77           | 41.70       | -70.65                | -2,115.11                         | 1,133.66   | 2,775.38             | 2,706.17              | 69.20                   | 40.104            |                    |         |
| 7,450.00                   | 7,058.51            | 6,454.27            | 6,005.19            | 38.34           | 41.70       | -69.56                | -2,115.19                         | 1,133.71   | 2,787.52             | 2,717.90              | 69.62                   | 40.038            |                    |         |
| 7,500.00                   | 7,066.02            | 6,450.92            | 6,002.12            | 38.95           | 41.68       | -68.48                | -2,114.04                         | 1,133.03   | 2,798.93             | 2,728.89              | 70.04                   | 39.961            |                    |         |
| 7,550.00                   | 7,069.64            | 6,444.00            | 5,995.78            | 39.58           | 41.63       | -67.44                | -2,111.65                         | 1,131.62   | 2,809.54             | 2,739.08              | 70.46                   | 39.873            |                    |         |
| 7,571.20                   | 7,070.00            | 6,440.00            | 5,992.11            | 39.85           | 41.60       | -67.01                | -2,110.27                         | 1,130.80   | 2,813.78             | 2,743.14              | 70.64                   | 39.834            |                    |         |
| 7,600.00                   | 7,070.00            | 6,434.14            | 5,986.74            | 40.23           | 41.56       | -66.89                | -2,108.25                         | 1,129.61   | 2,819.56             | 2,748.68              | 70.88                   | 39.778            |                    |         |
| 7,700.00                   | 7,070.01            | 6,413.78            | 5,968.08            | 41.64           | 41.41       | -66.47                | -2,101.24                         | 1,125.46   | 2,841.72             | 2,769.91              | 71.81                   | 39.572            |                    |         |
| 7,800.00                   | 7,070.02            | 6,406.58            | 5,949.42            | 43.20           | 41.36       | -66.06                | -2,094.22                         | 1,121.31   | 2,867.06             | 2,794.15              | 72.91                   | 39.322            |                    |         |
| 7,900.00                   | 7,070.03            | 6,373.06            | 5,930.77            | 44.89           | 41.13       | -65.65                | -2,087.21                         | 1,117.16   | 2,895.48             | 2,821.54              | 73.94                   | 39.160            |                    |         |
| 8,000.00                   | 7,070.04            | 6,268.33            | 6,961.08            | 46.69           | 51.97       | -87.85                | -2,468.54                         | 137.34     | 2,899.93             | 2,803.65              | 96.28                   | 30.120            |                    |         |
| 8,100.00                   | 7,070.05            | 8,368.32            | 6,961.33            | 48.60           | 53.44       | -87.85                | -2,468.13                         | 37.35      | 2,899.48             | 2,799.47              | 100.01                  | 28.991            |                    |         |
| 8,200.00                   | 7,070.05            | 8,468.32            | 6,961.58            | 50.59           | 55.05       | -87.86                | -2,467.72                         | -62.65     | 2,899.03             | 2,795.10              | 103.93                  | 27.895            |                    |         |
| 8,300.00                   | 7,070.06            | 8,568.32            | 6,961.83            | 52.66           | 56.80       | -87.86                | -2,467.31                         | -162.65    | 2,898.58             | 2,790.58              | 108.00                  | 26.839            |                    |         |
| 8,400.00                   | 7,070.07            | 8,668.32            | 6,962.08            | 54.81           | 58.66       | -87.86                | -2,466.91                         | -262.65    | 2,898.12             | 2,785.91              | 112.22                  | 25.826            |                    |         |
| 8,500.00                   | 7,070.08            | 8,768.32            | 6,962.34            | 57.02           | 60.62       | -87.87                | -2,466.50                         | -362.64    | 2,897.67             | 2,781.11              | 116.56                  | 24.860            |                    |         |
| 8,600.00                   | 7,070.09            | 8,868.32            | 6,962.59            | 59.28           | 62.68       | -87.87                | -2,466.09                         | -462.64    | 2,897.22             | 2,776.20              | 121.02                  | 23.940            |                    |         |
| 8,700.00                   | 7,070.10            | 8,968.32            | 6,962.84            | 61.60           | 64.80       | -87.88                | -2,465.68                         | -562.64    | 2,896.77             | 2,771.19              | 125.58                  | 23.067            |                    |         |
| 8,800.00                   | 7,070.11            | 9,068.32            | 6,963.09            | 63.95           | 66.99       | -87.88                | -2,465.27                         | -662.64    | 2,896.32             | 2,766.08              | 130.23                  | 22.239            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00   | 7,070.12            | 9,168.31            | 6,963.34            | 66.35           | 69.25       | -87.89                | -2,464.86                         | -762.63    | 2,895.86             | 2,760.90              | 134.97                  | 21.456            |                    |         |
| 9,000.00   | 7,070.13            | 9,268.31            | 6,963.60            | 68.79           | 71.55       | -87.89                | -2,464.45                         | -862.63    | 2,895.41             | 2,755.64              | 139.78                  | 20.715            |                    |         |
| 9,100.00   | 7,070.13            | 9,368.31            | 6,963.85            | 71.25           | 73.89       | -87.90                | -2,464.04                         | -962.63    | 2,894.96             | 2,750.31              | 144.65                  | 20.014            |                    |         |
| 9,200.00   | 7,070.14            | 9,468.31            | 6,964.10            | 73.74           | 76.28       | -87.90                | -2,463.63                         | -1,062.63  | 2,894.51             | 2,744.93              | 149.58                  | 19.351            |                    |         |
| 9,300.00   | 7,070.15            | 9,568.31            | 6,964.35            | 76.26           | 78.70       | -87.90                | -2,463.22                         | -1,162.62  | 2,894.06             | 2,739.49              | 154.57                  | 18.723            |                    |         |
| 9,400.00   | 7,070.16            | 9,668.31            | 6,964.60            | 78.80           | 81.16       | -87.91                | -2,462.81                         | -1,262.62  | 2,893.60             | 2,734.00              | 159.61                  | 18.130            |                    |         |
| 9,500.00   | 7,070.17            | 9,768.31            | 6,964.86            | 81.37           | 83.64       | -87.91                | -2,462.40                         | -1,362.62  | 2,893.15             | 2,728.47              | 164.69                  | 17.568            |                    |         |
| 9,600.00   | 7,070.18            | 9,868.31            | 6,965.11            | 83.95           | 86.15       | -87.92                | -2,461.99                         | -1,462.62  | 2,892.70             | 2,722.89              | 169.81                  | 17.035            |                    |         |
| 9,700.00   | 7,070.19            | 9,968.30            | 6,965.36            | 86.55           | 88.68       | -87.92                | -2,461.58                         | -1,562.61  | 2,892.25             | 2,717.28              | 174.97                  | 16.530            |                    |         |
| 9,800.00   | 7,070.20            | 10,068.30           | 6,965.61            | 89.17           | 91.24       | -87.93                | -2,461.17                         | -1,662.61  | 2,891.80             | 2,711.64              | 180.16                  | 16.051            |                    |         |
| 9,900.00   | 7,070.21            | 10,168.30           | 6,965.86            | 91.80           | 93.81       | -87.93                | -2,460.76                         | -1,762.61  | 2,891.35             | 2,705.96              | 185.38                  | 15.597            |                    |         |
| 10,000.00  | 7,070.21            | 10,268.30           | 6,966.11            | 94.44           | 96.40       | -87.94                | -2,460.35                         | -1,862.61  | 2,890.89             | 2,700.26              | 190.63                  | 15.165            |                    |         |
| 10,100.00  | 7,070.22            | 10,368.30           | 6,966.37            | 97.10           | 99.00       | -87.94                | -2,459.94                         | -1,962.61  | 2,890.44             | 2,694.53              | 195.91                  | 14.754            |                    |         |
| 10,200.00  | 7,070.23            | 10,468.30           | 6,966.62            | 99.77           | 101.62      | -87.95                | -2,459.53                         | -2,062.60  | 2,889.99             | 2,688.78              | 201.21                  | 14.363            |                    |         |
| 10,300.00  | 7,070.24            | 10,568.30           | 6,966.87            | 102.44          | 104.26      | -87.95                | -2,459.12                         | -2,162.60  | 2,889.54             | 2,683.00              | 206.54                  | 13.990            |                    |         |
| 10,400.00  | 7,070.25            | 10,668.30           | 6,967.12            | 105.13          | 106.90      | -87.95                | -2,458.71                         | -2,262.60  | 2,889.09             | 2,677.21              | 211.88                  | 13.635            |                    |         |
| 10,500.00  | 7,070.26            | 10,768.29           | 6,967.37            | 107.83          | 109.56      | -87.96                | -2,458.30                         | -2,362.60  | 2,888.64             | 2,671.39              | 217.24                  | 13.297            |                    |         |
| 10,600.00  | 7,070.27            | 10,868.29           | 6,967.63            | 110.53          | 112.23      | -87.96                | -2,457.90                         | -2,462.59  | 2,888.18             | 2,665.56              | 222.62                  | 12.973            |                    |         |
| 10,700.00  | 7,070.28            | 10,968.29           | 6,967.88            | 113.24          | 114.91      | -87.97                | -2,457.49                         | -2,562.59  | 2,887.73             | 2,659.71              | 228.02                  | 12.664            |                    |         |
| 10,800.00  | 7,070.28            | 11,068.29           | 6,968.13            | 115.96          | 117.59      | -87.97                | -2,457.08                         | -2,662.59  | 2,887.28             | 2,653.85              | 233.43                  | 12.369            |                    |         |
| 10,900.00  | 7,070.29            | 11,168.29           | 6,968.38            | 118.69          | 120.29      | -87.98                | -2,456.67                         | -2,762.59  | 2,886.83             | 2,647.97              | 238.86                  | 12.086            |                    |         |
| 11,000.00  | 7,070.30            | 11,268.29           | 6,968.63            | 121.42          | 122.99      | -87.98                | -2,456.26                         | -2,862.58  | 2,886.38             | 2,642.08              | 244.30                  | 11.815            |                    |         |
| 11,100.00  | 7,070.31            | 11,368.29           | 6,968.89            | 124.16          | 125.70      | -87.99                | -2,455.85                         | -2,962.58  | 2,885.93             | 2,636.17              | 249.75                  | 11.555            |                    |         |
| 11,200.00  | 7,070.32            | 11,468.28           | 6,969.14            | 126.90          | 128.42      | -87.99                | -2,455.44                         | -3,062.58  | 2,885.47             | 2,630.26              | 255.22                  | 11.306            |                    |         |
| 11,300.00  | 7,070.33            | 11,568.28           | 6,969.39            | 129.65          | 131.14      | -87.99                | -2,455.03                         | -3,162.58  | 2,885.02             | 2,624.33              | 260.69                  | 11.067            |                    |         |
| 11,400.00  | 7,070.34            | 11,668.28           | 6,969.64            | 132.40          | 133.87      | -88.00                | -2,454.62                         | -3,262.57  | 2,884.57             | 2,618.39              | 266.18                  | 10.837            |                    |         |
| 11,500.00  | 7,070.35            | 11,768.28           | 6,969.89            | 135.16          | 136.61      | -88.00                | -2,454.21                         | -3,362.57  | 2,884.12             | 2,612.45              | 271.67                  | 10.616            |                    |         |
| 11,600.00  | 7,070.36            | 11,868.28           | 6,970.14            | 137.92          | 139.35      | -88.01                | -2,453.80                         | -3,462.57  | 2,883.67             | 2,606.49              | 277.18                  | 10.404            |                    |         |
| 11,700.00  | 7,070.36            | 11,968.28           | 6,970.40            | 140.69          | 142.10      | -88.01                | -2,453.39                         | -3,562.57  | 2,883.22             | 2,600.53              | 282.69                  | 10.199            |                    |         |
| 11,800.00  | 7,070.37            | 12,068.28           | 6,970.65            | 143.46          | 144.85      | -88.02                | -2,452.98                         | -3,662.56  | 2,882.77             | 2,594.56              | 288.21                  | 10.002            |                    |         |
| 11,900.00  | 7,070.38            | 12,168.28           | 6,970.90            | 146.23          | 147.60      | -88.02                | -2,452.57                         | -3,762.56  | 2,882.31             | 2,588.58              | 293.74                  | 9.813             |                    |         |
| 12,000.00  | 7,070.39            | 12,268.27           | 6,971.15            | 149.01          | 150.36      | -88.03                | -2,452.16                         | -3,862.56  | 2,881.86             | 2,582.59              | 299.27                  | 9.630             |                    |         |
| 12,100.00  | 7,070.40            | 12,368.27           | 6,971.40            | 151.79          | 153.12      | -88.03                | -2,451.75                         | -3,962.56  | 2,881.41             | 2,576.60              | 304.82                  | 9.453             |                    |         |
| 12,200.00  | 7,070.41            | 12,468.27           | 6,971.66            | 154.57          | 155.89      | -88.04                | -2,451.34                         | -4,062.55  | 2,880.96             | 2,570.60              | 310.36                  | 9.283             |                    |         |
| 12,300.00  | 7,070.42            | 12,568.27           | 6,971.91            | 157.35          | 158.66      | -88.04                | -2,450.93                         | -4,162.55  | 2,880.51             | 2,564.59              | 315.92                  | 9.118             |                    |         |
| 12,400.00  | 7,070.43            | 12,668.27           | 6,972.16            | 160.14          | 161.43      | -88.04                | -2,450.52                         | -4,262.55  | 2,880.06             | 2,558.58              | 321.48                  | 8.959             |                    |         |
| 12,500.00  | 7,070.44            | 12,768.27           | 6,972.41            | 162.93          | 164.20      | -88.05                | -2,450.11                         | -4,362.55  | 2,879.61             | 2,552.56              | 327.04                  | 8.805             |                    |         |
| 12,600.00  | 7,070.44            | 12,868.27           | 6,972.66            | 165.72          | 166.98      | -88.05                | -2,449.70                         | -4,462.54  | 2,879.16             | 2,546.54              | 332.62                  | 8.656             |                    |         |
| 12,700.00  | 7,070.45            | 12,968.27           | 6,972.92            | 168.52          | 169.76      | -88.06                | -2,449.29                         | -4,562.54  | 2,878.70             | 2,540.51              | 338.19                  | 8.512             |                    |         |
| 12,743.94  | 7,070.46            | 13,012.21           | 6,973.03            | 169.75          | 170.99      | -88.06                | -2,449.11                         | -4,606.49  | 2,878.51             | 2,537.86              | 340.64                  | 8.450             |                    |         |
| 12,800.00  | 7,070.46            | 13,002.01           | 6,973.00            | 171.32          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 2,879.02             | 2,537.28              | 341.73                  | 8.425             |                    |         |
| 12,900.00  | 7,070.47            | 13,002.01           | 6,973.00            | 174.11          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 2,882.60             | 2,538.69              | 343.91                  | 8.382             |                    |         |
| 13,000.00  | 7,070.48            | 13,002.01           | 6,973.00            | 176.92          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 2,889.64             | 2,543.96              | 345.69                  | 8.359             |                    |         |
| 13,100.00  | 7,070.49            | 13,002.01           | 6,973.00            | 179.72          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 2,900.12             | 2,553.05              | 347.07                  | 8.356 SF          |                    |         |
| 13,200.00  | 7,070.50            | 13,002.01           | 6,973.00            | 182.52          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 2,913.99             | 2,565.94              | 348.06                  | 8.372             |                    |         |
| 13,300.00  | 7,070.51            | 13,002.01           | 6,973.00            | 185.33          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 2,931.21             | 2,582.56              | 348.65                  | 8.407             |                    |         |
| 13,400.00  | 7,070.52            | 13,002.01           | 6,973.00            | 188.14          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 2,951.72             | 2,602.84              | 348.88                  | 8.461             |                    |         |
| 13,500.00  | 7,070.52            | 13,002.01           | 6,973.00            | 190.95          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 2,975.45             | 2,626.71              | 348.74                  | 8.532             |                    |         |
| 13,600.00  | 7,070.53            | 13,002.01           | 6,973.00            | 193.76          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,002.33             | 2,654.06              | 348.26                  | 8.621             |                    |         |
| 13,700.00  | 7,070.54            | 13,002.01           | 6,973.00            | 196.57          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,032.26             | 2,684.80              | 347.46                  | 8.727             |                    |         |
| 13,800.00  | 7,070.55            | 13,002.01           | 6,973.00            | 199.38          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,065.17             | 2,718.81              | 346.36                  | 8.850             |                    |         |
| 13,900.00  | 7,070.56            | 13,002.01           | 6,973.00            | 202.20          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,100.95             | 2,755.98              | 344.98                  | 8.989             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00  | 7,070.57            | 13,002.01           | 6,973.00            | 205.01          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,139.52             | 2,796.18              | 343.34                  | 9.144             |                    |         |
| 14,100.00  | 7,070.58            | 13,002.01           | 6,973.00            | 207.83          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,180.76             | 2,839.28              | 341.47                  | 9.315             |                    |         |
| 14,200.00  | 7,070.59            | 13,002.01           | 6,973.00            | 210.65          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,224.57             | 2,885.17              | 339.40                  | 9.501             |                    |         |
| 14,300.00  | 7,070.60            | 13,002.01           | 6,973.00            | 213.47          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,270.86             | 2,933.71              | 337.15                  | 9.702             |                    |         |
| 14,400.00  | 7,070.60            | 13,002.01           | 6,973.00            | 216.29          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,319.52             | 2,984.78              | 334.74                  | 9.917             |                    |         |
| 14,500.00  | 7,070.61            | 13,002.01           | 6,973.00            | 219.11          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,370.44             | 3,038.25              | 332.19                  | 10.146            |                    |         |
| 14,600.00  | 7,070.62            | 13,002.01           | 6,973.00            | 221.94          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,423.52             | 3,094.00              | 329.52                  | 10.389            |                    |         |
| 14,700.00  | 7,070.63            | 13,002.01           | 6,973.00            | 224.76          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,478.67             | 3,151.91              | 326.76                  | 10.646            |                    |         |
| 14,800.00  | 7,070.64            | 13,002.01           | 6,973.00            | 227.58          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,535.79             | 3,211.87              | 323.92                  | 10.916            |                    |         |
| 14,900.00  | 7,070.65            | 13,002.01           | 6,973.00            | 230.41          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,594.78             | 3,273.77              | 321.01                  | 11.198            |                    |         |
| 15,000.00  | 7,070.66            | 13,002.01           | 6,973.00            | 233.24          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,655.56             | 3,337.49              | 318.06                  | 11.493            |                    |         |
| 15,100.00  | 7,070.67            | 13,002.01           | 6,973.00            | 236.06          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,718.03             | 3,402.95              | 315.08                  | 11.800            |                    |         |
| 15,200.00  | 7,070.68            | 13,002.01           | 6,973.00            | 238.89          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,782.12             | 3,470.04              | 312.08                  | 12.119            |                    |         |
| 15,300.00  | 7,070.68            | 13,002.01           | 6,973.00            | 241.72          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,847.73             | 3,538.67              | 309.07                  | 12.450            |                    |         |
| 15,400.00  | 7,070.69            | 13,002.01           | 6,973.00            | 244.55          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,914.81             | 3,608.75              | 306.05                  | 12.791            |                    |         |
| 15,500.00  | 7,070.70            | 13,002.01           | 6,973.00            | 247.38          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 3,983.26             | 3,680.21              | 303.05                  | 13.144            |                    |         |
| 15,600.00  | 7,070.71            | 13,002.01           | 6,973.00            | 250.21          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,053.03             | 3,752.96              | 300.07                  | 13.507            |                    |         |
| 15,700.00  | 7,070.72            | 13,002.01           | 6,973.00            | 253.04          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,124.04             | 3,826.93              | 297.11                  | 13.881            |                    |         |
| 15,800.00  | 7,070.73            | 13,002.01           | 6,973.00            | 255.87          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,196.23             | 3,902.05              | 294.18                  | 14.264            |                    |         |
| 15,900.00  | 7,070.74            | 13,002.01           | 6,973.00            | 258.71          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,269.54             | 3,978.26              | 291.28                  | 14.658            |                    |         |
| 16,000.00  | 7,070.75            | 13,002.01           | 6,973.00            | 261.54          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,343.92             | 4,055.49              | 288.43                  | 15.061            |                    |         |
| 16,100.00  | 7,070.76            | 13,002.01           | 6,973.00            | 264.37          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,419.31             | 4,133.70              | 285.61                  | 15.473            |                    |         |
| 16,200.00  | 7,070.76            | 13,002.01           | 6,973.00            | 267.21          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,495.66             | 4,212.82              | 282.84                  | 15.895            |                    |         |
| 16,300.00  | 7,070.77            | 13,002.01           | 6,973.00            | 270.04          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,572.92             | 4,292.80              | 280.12                  | 16.325            |                    |         |
| 16,400.00  | 7,070.78            | 13,002.01           | 6,973.00            | 272.88          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,651.05             | 4,373.60              | 277.45                  | 16.764            |                    |         |
| 16,500.00  | 7,070.79            | 13,002.01           | 6,973.00            | 275.71          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,730.00             | 4,455.17              | 274.83                  | 17.211            |                    |         |
| 16,600.00  | 7,070.80            | 13,002.01           | 6,973.00            | 278.55          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,809.73             | 4,537.47              | 272.26                  | 17.666            |                    |         |
| 16,700.00  | 7,070.81            | 13,002.01           | 6,973.00            | 281.39          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,890.22             | 4,620.47              | 269.75                  | 18.129            |                    |         |
| 16,800.00  | 7,070.82            | 13,002.01           | 6,973.00            | 284.22          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 4,971.40             | 4,704.12              | 267.28                  | 18.600            |                    |         |
| 16,900.00  | 7,070.83            | 13,002.01           | 6,973.00            | 287.06          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,053.27             | 4,788.39              | 264.88                  | 19.078            |                    |         |
| 17,000.00  | 7,070.84            | 13,002.01           | 6,973.00            | 289.90          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,135.77             | 4,873.25              | 262.52                  | 19.563            |                    |         |
| 17,100.00  | 7,070.84            | 13,002.01           | 6,973.00            | 292.74          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,218.89             | 4,958.67              | 260.22                  | 20.056            |                    |         |
| 17,200.00  | 7,070.85            | 13,002.01           | 6,973.00            | 295.58          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,302.59             | 5,044.62              | 257.97                  | 20.555            |                    |         |
| 17,300.00  | 7,070.86            | 13,002.01           | 6,973.00            | 298.42          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,386.85             | 5,131.07              | 255.77                  | 21.061            |                    |         |
| 17,400.00  | 7,070.87            | 13,002.01           | 6,973.00            | 301.26          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,471.63             | 5,218.00              | 253.63                  | 21.573            |                    |         |
| 17,500.00  | 7,070.88            | 13,002.01           | 6,973.00            | 304.10          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,556.93             | 5,305.39              | 251.54                  | 22.092            |                    |         |
| 17,600.00  | 7,070.89            | 13,002.01           | 6,973.00            | 306.94          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,642.70             | 5,393.21              | 249.49                  | 22.617            |                    |         |
| 17,700.00  | 7,070.90            | 13,002.01           | 6,973.00            | 309.78          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,728.94             | 5,481.44              | 247.50                  | 23.147            |                    |         |
| 17,800.00  | 7,070.91            | 13,002.01           | 6,973.00            | 312.62          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,815.62             | 5,570.06              | 245.56                  | 23.683            |                    |         |
| 17,900.00  | 7,070.92            | 13,002.01           | 6,973.00            | 315.46          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,902.71             | 5,659.05              | 243.66                  | 24.225            |                    |         |
| 18,000.00  | 7,070.92            | 13,002.01           | 6,973.00            | 318.31          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 5,990.22             | 5,748.41              | 241.81                  | 24.772            |                    |         |
| 18,100.00  | 7,070.93            | 13,002.01           | 6,973.00            | 321.15          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 6,078.10             | 5,838.10              | 240.01                  | 25.325            |                    |         |
| 18,200.00  | 7,070.94            | 13,002.01           | 6,973.00            | 323.99          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 6,166.36             | 5,928.11              | 238.25                  | 25.882            |                    |         |
| 18,300.00  | 7,070.95            | 13,002.01           | 6,973.00            | 326.83          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 6,254.97             | 6,018.44              | 236.53                  | 26.445            |                    |         |
| 18,400.00  | 7,070.96            | 13,002.01           | 6,973.00            | 329.68          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 6,343.92             | 6,109.06              | 234.86                  | 27.012            |                    |         |
| 18,500.00  | 7,070.97            | 13,002.01           | 6,973.00            | 332.52          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 6,433.19             | 6,199.97              | 233.22                  | 27.584            |                    |         |
| 18,600.00  | 7,070.98            | 13,002.01           | 6,973.00            | 335.36          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 6,522.78             | 6,291.14              | 231.63                  | 28.160            |                    |         |
| 18,700.00  | 7,070.99            | 13,002.01           | 6,973.00            | 338.21          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 6,612.66             | 6,382.58              | 230.08                  | 28.741            |                    |         |
| 18,800.00  | 7,070.99            | 13,002.01           | 6,973.00            | 341.05          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 6,702.83             | 6,474.26              | 228.57                  | 29.325            |                    |         |
| 18,858.54  | 7,071.00            | 13,002.01           | 6,973.00            | 342.72          | 170.70      | -88.06                | -2,449.16                         | -4,596.29  | 6,755.74             | 6,528.04              | 227.70                  | 29.670            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                       | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.47               | -209.84                           | -1.95      | 209.85               |                       |                         |                   |                    |         |
| 100.00                     | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.47               | -209.84                           | -1.95      | 209.85               | 203.28                | 6.57                    | 31.943            |                    |         |
| 200.00                     | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.47               | -209.84                           | -1.95      | 209.85               | 203.17                | 6.67                    | 31.442 CC, ES     |                    |         |
| 300.00                     | 300.00              | 293.94              | 293.92              | 3.44            | 3.43        | -179.67               | -211.19                           | -1.22      | 211.28               | 204.40                | 6.89                    | 30.687            |                    |         |
| 400.00                     | 399.98              | 387.67              | 387.54              | 3.60            | 3.57        | 107.56                | -215.25                           | 0.97       | 216.13               | 208.93                | 7.20                    | 30.025            |                    |         |
| 500.00                     | 499.84              | 480.98              | 480.53              | 3.80            | 3.75        | 107.66                | -221.96                           | 4.58       | 224.90               | 217.29                | 7.60                    | 29.583            |                    |         |
| 600.00                     | 599.45              | 573.60              | 572.54              | 4.04            | 3.97        | 108.06                | -231.25                           | 9.59       | 237.56               | 229.48                | 8.08                    | 29.391            |                    |         |
| 700.00                     | 698.70              | 665.31              | 663.26              | 4.32            | 4.22        | 108.68                | -243.03                           | 15.94      | 254.12               | 245.50                | 8.62                    | 29.463            |                    |         |
| 800.00                     | 797.47              | 755.87              | 752.39              | 4.63            | 4.50        | 109.44                | -257.16                           | 23.56      | 274.57               | 265.35                | 9.22                    | 29.790            |                    |         |
| 900.00                     | 895.62              | 845.09              | 839.65              | 4.97            | 4.80        | 110.26                | -273.50                           | 32.36      | 298.89               | 289.04                | 9.85                    | 30.353            |                    |         |
| 924.00                     | 919.08              | 866.27              | 860.28              | 5.06            | 4.88        | 110.45                | -277.74                           | 34.64      | 305.30               | 295.30                | 10.00                   | 30.516            |                    |         |
| 1,000.00                   | 993.28              | 932.92              | 924.95              | 5.34            | 5.14        | 111.33                | -291.92                           | 42.29      | 326.70               | 316.19                | 10.51                   | 31.080            |                    |         |
| 1,100.00                   | 1,090.92            | 1,019.58            | 1,008.44            | 5.73            | 5.49        | 112.10                | -312.34                           | 53.29      | 357.05               | 345.86                | 11.20                   | 31.885            |                    |         |
| 1,200.00                   | 1,188.56            | 1,104.95            | 1,089.97            | 6.15            | 5.87        | 112.52                | -334.62                           | 65.30      | 389.78               | 377.88                | 11.90                   | 32.749            |                    |         |
| 1,300.00                   | 1,286.19            | 1,188.91            | 1,169.39            | 6.57            | 6.27        | 112.66                | -358.60                           | 78.22      | 424.79               | 412.17                | 12.62                   | 33.661            |                    |         |
| 1,400.00                   | 1,383.83            | 1,271.36            | 1,246.56            | 7.01            | 6.69        | 112.60                | -384.14                           | 91.99      | 461.99               | 448.65                | 13.35                   | 34.619            |                    |         |
| 1,500.00                   | 1,481.47            | 1,352.20            | 1,321.39            | 7.46            | 7.13        | 112.37                | -411.07                           | 106.50     | 501.35               | 487.27                | 14.07                   | 35.623            |                    |         |
| 1,600.00                   | 1,579.10            | 1,435.46            | 1,397.59            | 7.91            | 7.61        | 112.02                | -440.61                           | 122.42     | 542.68               | 527.84                | 14.83                   | 36.582            |                    |         |
| 1,700.00                   | 1,676.74            | 1,526.25            | 1,480.46            | 8.37            | 8.16        | 111.66                | -473.24                           | 140.00     | 584.49               | 568.81                | 15.68                   | 37.276            |                    |         |
| 1,800.00                   | 1,774.38            | 1,617.03            | 1,563.34            | 8.84            | 8.71        | 111.35                | -505.87                           | 157.59     | 626.31               | 609.76                | 16.54                   | 37.856            |                    |         |
| 1,900.00                   | 1,872.02            | 1,707.82            | 1,646.21            | 9.31            | 9.28        | 111.07                | -538.50                           | 175.17     | 668.15               | 650.72                | 17.43                   | 38.344            |                    |         |
| 2,000.00                   | 1,969.65            | 1,801.40            | 1,729.08            | 9.79            | 9.88        | 110.83                | -571.13                           | 192.75     | 709.99               | 691.66                | 18.33                   | 38.724            |                    |         |
| 2,100.00                   | 2,067.29            | 1,889.39            | 1,811.95            | 10.27           | 10.45       | 110.62                | -603.76                           | 210.34     | 751.85               | 732.63                | 19.23                   | 39.106            |                    |         |
| 2,200.00                   | 2,164.93            | 1,980.17            | 1,894.82            | 10.75           | 11.05       | 110.43                | -636.39                           | 227.92     | 793.72               | 773.57                | 20.14                   | 39.405            |                    |         |
| 2,300.00                   | 2,262.56            | 2,070.95            | 1,977.70            | 11.24           | 11.65       | 110.25                | -669.02                           | 245.51     | 835.59               | 814.52                | 21.07                   | 39.661            |                    |         |
| 2,400.00                   | 2,360.20            | 2,161.74            | 2,060.57            | 11.73           | 12.25       | 110.10                | -701.66                           | 263.09     | 877.46               | 855.46                | 22.00                   | 39.882            |                    |         |
| 2,500.00                   | 2,457.84            | 2,252.52            | 2,143.44            | 12.22           | 12.86       | 109.95                | -734.29                           | 280.68     | 919.35               | 896.41                | 22.94                   | 40.073            |                    |         |
| 2,600.00                   | 2,555.48            | 2,343.31            | 2,226.31            | 12.71           | 13.48       | 109.82                | -766.92                           | 298.26     | 961.23               | 937.35                | 23.89                   | 40.240            |                    |         |
| 2,700.00                   | 2,653.11            | 2,434.09            | 2,309.19            | 13.20           | 14.10       | 109.71                | -799.55                           | 315.85     | 1,003.12             | 978.28                | 24.84                   | 40.385            |                    |         |
| 2,800.00                   | 2,750.75            | 2,524.88            | 2,392.06            | 13.70           | 14.72       | 109.60                | -832.18                           | 333.43     | 1,045.02             | 1,019.22              | 25.80                   | 40.512            |                    |         |
| 2,900.00                   | 2,848.39            | 2,615.66            | 2,474.93            | 14.19           | 15.34       | 109.50                | -864.81                           | 351.01     | 1,086.91             | 1,060.16              | 26.76                   | 40.624            |                    |         |
| 3,000.00                   | 2,946.02            | 2,706.44            | 2,557.80            | 14.69           | 15.96       | 109.40                | -897.44                           | 368.60     | 1,128.81             | 1,101.09              | 27.72                   | 40.723            |                    |         |
| 3,100.00                   | 3,043.66            | 2,797.23            | 2,640.67            | 15.19           | 16.59       | 109.31                | -930.07                           | 386.18     | 1,170.71             | 1,142.03              | 28.69                   | 40.810            |                    |         |
| 3,200.00                   | 3,141.30            | 2,888.01            | 2,723.55            | 15.69           | 17.22       | 109.23                | -962.70                           | 403.77     | 1,212.62             | 1,182.96              | 29.66                   | 40.887            |                    |         |
| 3,300.00                   | 3,238.94            | 2,978.80            | 2,806.42            | 16.19           | 17.85       | 109.16                | -995.33                           | 421.35     | 1,254.52             | 1,223.89              | 30.63                   | 40.956            |                    |         |
| 3,400.00                   | 3,336.57            | 3,069.58            | 2,889.29            | 16.69           | 18.48       | 109.09                | -1,027.96                         | 438.94     | 1,296.43             | 1,264.82              | 31.61                   | 41.017            |                    |         |
| 3,500.00                   | 3,434.21            | 3,160.37            | 2,972.16            | 17.19           | 19.11       | 109.02                | -1,060.59                         | 456.52     | 1,338.34             | 1,305.75              | 32.59                   | 41.072            |                    |         |
| 3,600.00                   | 3,531.85            | 3,251.15            | 3,055.04            | 17.69           | 19.75       | 108.96                | -1,093.22                         | 474.11     | 1,380.25             | 1,346.68              | 33.57                   | 41.121            |                    |         |
| 3,700.00                   | 3,629.48            | 3,341.93            | 3,137.91            | 18.20           | 20.38       | 108.90                | -1,125.85                         | 491.69     | 1,422.16             | 1,387.61              | 34.55                   | 41.165            |                    |         |
| 3,800.00                   | 3,727.12            | 3,432.72            | 3,220.78            | 18.70           | 21.02       | 108.85                | -1,158.48                         | 509.27     | 1,464.07             | 1,428.54              | 35.53                   | 41.204            |                    |         |
| 3,900.00                   | 3,824.76            | 3,523.50            | 3,303.65            | 19.21           | 21.65       | 108.79                | -1,191.11                         | 526.86     | 1,505.98             | 1,469.47              | 36.52                   | 41.240            |                    |         |
| 4,000.00                   | 3,922.40            | 3,614.29            | 3,386.53            | 19.71           | 22.29       | 108.74                | -1,223.74                         | 544.44     | 1,547.90             | 1,510.39              | 37.51                   | 41.272            |                    |         |
| 4,100.00                   | 4,020.03            | 3,705.07            | 3,469.40            | 20.21           | 22.93       | 108.70                | -1,256.38                         | 562.03     | 1,589.81             | 1,551.32              | 38.49                   | 41.301            |                    |         |
| 4,200.00                   | 4,117.67            | 3,804.14            | 3,552.27            | 20.72           | 23.62       | 108.65                | -1,289.01                         | 579.61     | 1,631.73             | 1,592.20              | 39.53                   | 41.276            |                    |         |
| 4,300.00                   | 4,215.31            | 3,886.64            | 3,635.14            | 21.23           | 24.21       | 108.61                | -1,321.64                         | 597.20     | 1,673.65             | 1,633.17              | 40.47                   | 41.350            |                    |         |
| 4,400.00                   | 4,312.94            | 3,977.42            | 3,718.01            | 21.73           | 24.85       | 108.57                | -1,354.27                         | 614.78     | 1,715.56             | 1,674.10              | 41.47                   | 41.372            |                    |         |
| 4,500.00                   | 4,410.58            | 4,068.21            | 3,800.89            | 22.24           | 25.49       | 108.53                | -1,386.90                         | 632.37     | 1,757.48             | 1,715.02              | 42.46                   | 41.391            |                    |         |
| 4,600.00                   | 4,508.22            | 4,158.99            | 3,883.76            | 22.75           | 26.13       | 108.50                | -1,419.53                         | 649.95     | 1,799.40             | 1,755.94              | 43.45                   | 41.408            |                    |         |
| 4,700.00                   | 4,605.86            | 4,249.78            | 3,966.63            | 23.25           | 26.77       | 108.46                | -1,452.16                         | 667.53     | 1,841.32             | 1,796.87              | 44.45                   | 41.424            |                    |         |
| 4,800.00                   | 4,703.49            | 4,340.56            | 4,049.50            | 23.76           | 27.41       | 108.43                | -1,484.79                         | 685.12     | 1,883.24             | 1,837.79              | 45.45                   | 41.439            |                    |         |
| 4,900.00                   | 4,801.13            | 4,431.35            | 4,132.38            | 24.27           | 28.05       | 108.40                | -1,517.42                         | 702.70     | 1,925.16             | 1,878.72              | 46.44                   | 41.452            |                    |         |
| 5,000.00                   | 4,898.77            | 4,522.13            | 4,215.25            | 24.77           | 28.69       | 108.37                | -1,550.05                         | 720.29     | 1,967.08             | 1,919.64              | 47.44                   | 41.463            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                   | 4,996.40            | 4,612.91            | 4,298.12            | 25.28           | 29.34       | 108.34                | -1,582.68                         | 737.87     | 2,009.00             | 1,960.56              | 48.44                   | 41.474            |                    |         |
| 5,200.00                   | 5,094.04            | 4,703.70            | 4,380.99            | 25.79           | 29.98       | 108.31                | -1,615.31                         | 755.46     | 2,050.92             | 2,001.48              | 49.44                   | 41.484            |                    |         |
| 5,300.00                   | 5,191.68            | 4,805.52            | 4,463.86            | 26.30           | 30.70       | 108.28                | -1,647.94                         | 773.04     | 2,092.84             | 2,042.34              | 50.50                   | 41.439            |                    |         |
| 5,400.00                   | 5,289.32            | 4,885.27            | 4,546.74            | 26.81           | 31.27       | 108.26                | -1,680.57                         | 790.63     | 2,134.77             | 2,083.33              | 51.44                   | 41.500            |                    |         |
| 5,500.00                   | 5,386.95            | 4,976.05            | 4,629.61            | 27.32           | 31.91       | 108.23                | -1,713.20                         | 808.21     | 2,176.69             | 2,124.25              | 52.44                   | 41.507            |                    |         |
| 5,600.00                   | 5,484.59            | 5,066.84            | 4,712.48            | 27.83           | 32.55       | 108.21                | -1,745.83                         | 825.79     | 2,218.61             | 2,165.17              | 53.44                   | 41.514            |                    |         |
| 5,700.00                   | 5,582.23            | 5,157.62            | 4,795.35            | 28.33           | 33.20       | 108.19                | -1,778.46                         | 843.38     | 2,260.54             | 2,206.09              | 54.45                   | 41.519            |                    |         |
| 5,800.00                   | 5,679.87            | 5,248.40            | 4,878.23            | 28.84           | 33.84       | 108.17                | -1,811.10                         | 860.96     | 2,302.46             | 2,247.01              | 55.45                   | 41.525            |                    |         |
| 5,900.00                   | 5,777.50            | 5,339.19            | 4,961.10            | 29.35           | 34.49       | 108.14                | -1,843.73                         | 878.55     | 2,344.38             | 2,287.93              | 56.45                   | 41.529            |                    |         |
| 6,000.00                   | 5,875.14            | 5,429.97            | 5,043.97            | 29.86           | 35.13       | 108.12                | -1,876.36                         | 896.13     | 2,386.31             | 2,328.85              | 57.46                   | 41.533            |                    |         |
| 6,100.00                   | 5,972.78            | 5,520.76            | 5,126.84            | 30.37           | 35.78       | 108.10                | -1,908.99                         | 913.72     | 2,428.23             | 2,369.77              | 58.46                   | 41.537            |                    |         |
| 6,200.00                   | 6,070.41            | 5,611.54            | 5,209.72            | 30.88           | 36.42       | 108.08                | -1,941.62                         | 931.30     | 2,470.16             | 2,410.69              | 59.46                   | 41.540            |                    |         |
| 6,300.00                   | 6,168.05            | 5,702.33            | 5,292.59            | 31.39           | 37.07       | 108.07                | -1,974.25                         | 948.89     | 2,512.08             | 2,451.61              | 60.47                   | 41.542            |                    |         |
| 6,400.00                   | 6,265.69            | 5,806.89            | 5,375.46            | 31.90           | 37.81       | 108.05                | -2,006.88                         | 966.47     | 2,554.00             | 2,492.45              | 61.56                   | 41.489            |                    |         |
| 6,439.09                   | 6,303.85            | 5,828.59            | 5,407.85            | 32.10           | 37.96       | 108.04                | -2,019.63                         | 973.34     | 2,570.39             | 2,508.52              | 61.87                   | 41.545            |                    |         |
| 6,450.00                   | 6,314.53            | 5,838.50            | 5,416.89            | 32.16           | 38.04       | 109.96                | -2,023.19                         | 975.26     | 2,574.97             | 2,512.99              | 61.98                   | 41.546            |                    |         |
| 6,500.00                   | 6,363.83            | 5,883.79            | 5,458.24            | 32.39           | 38.36       | 123.37                | -2,039.47                         | 984.03     | 2,595.89             | 2,533.43              | 62.46                   | 41.563            |                    |         |
| 6,550.00                   | 6,413.58            | 5,928.71            | 5,499.25            | 32.60           | 38.68       | 157.83                | -2,055.62                         | 992.74     | 2,616.65             | 2,553.75              | 62.90                   | 41.600            |                    |         |
| 6,600.00                   | 6,463.45            | 5,972.99            | 5,539.67            | 32.79           | 38.99       | -139.57               | -2,071.54                         | 1,001.31   | 2,637.17             | 2,573.86              | 63.31                   | 41.654            |                    |         |
| 6,650.00                   | 6,513.15            | 6,016.36            | 5,579.25            | 32.97           | 39.30       | -110.41               | -2,087.12                         | 1,009.71   | 2,657.36             | 2,593.66              | 63.70                   | 41.717            |                    |         |
| 6,700.00                   | 6,562.37            | 6,058.54            | 5,617.76            | 33.15           | 39.60       | -98.88                | -2,102.28                         | 1,017.88   | 2,677.16             | 2,613.09              | 64.07                   | 41.783            |                    |         |
| 6,750.00                   | 6,610.80            | 6,100.72            | 5,654.94            | 33.34           | 39.90       | -92.64                | -2,116.92                         | 1,025.77   | 2,696.51             | 2,632.07              | 64.44                   | 41.843            |                    |         |
| 6,800.00                   | 6,658.14            | 6,138.32            | 5,690.58            | 33.53           | 40.17       | -88.54                | -2,130.96                         | 1,033.34   | 2,715.39             | 2,650.60              | 64.79                   | 41.912            |                    |         |
| 6,850.00                   | 6,704.11            | 6,175.43            | 5,724.46            | 33.74           | 40.43       | -85.51                | -2,144.30                         | 1,040.52   | 2,733.75             | 2,668.62              | 65.13                   | 41.973            |                    |         |
| 6,900.00                   | 6,748.42            | 6,210.37            | 5,756.35            | 33.97           | 40.68       | -83.12                | -2,156.85                         | 1,047.29   | 2,751.58             | 2,686.11              | 65.47                   | 42.028            |                    |         |
| 6,950.00                   | 6,790.79            | 6,242.93            | 5,786.08            | 34.21           | 40.91       | -81.13                | -2,168.56                         | 1,053.60   | 2,768.87             | 2,703.07              | 65.80                   | 42.077            |                    |         |
| 7,000.00                   | 6,830.97            | 6,272.91            | 5,813.45            | 34.48           | 41.13       | -79.42                | -2,179.34                         | 1,059.41   | 2,785.62             | 2,719.48              | 66.14                   | 42.118            |                    |         |
| 7,050.00                   | 6,868.71            | 6,300.13            | 5,838.29            | 34.77           | 41.32       | -77.91                | -2,189.12                         | 1,064.68   | 2,801.80             | 2,735.32              | 66.48                   | 42.148            |                    |         |
| 7,100.00                   | 6,903.77            | 6,324.42            | 5,860.46            | 35.09           | 41.49       | -76.54                | -2,197.85                         | 1,069.38   | 2,817.42             | 2,750.60              | 66.82                   | 42.165            |                    |         |
| 7,150.00                   | 6,935.93            | 6,345.62            | 5,879.82            | 35.44           | 41.64       | -75.27                | -2,205.47                         | 1,073.49   | 2,832.47             | 2,765.30              | 67.17                   | 42.168            |                    |         |
| 7,200.00                   | 6,965.01            | 6,363.61            | 5,896.24            | 35.83           | 41.77       | -74.08                | -2,211.93                         | 1,076.97   | 2,846.93             | 2,779.39              | 67.54                   | 42.154            |                    |         |
| 7,250.00                   | 6,990.82            | 6,378.27            | 5,909.62            | 36.26           | 41.88       | -72.95                | -2,217.20                         | 1,079.81   | 2,860.79             | 2,792.87              | 67.91                   | 42.124            |                    |         |
| 7,300.00                   | 7,013.20            | 6,389.52            | 5,919.89            | 36.72           | 41.96       | -71.86                | -2,221.25                         | 1,081.99   | 2,874.01             | 2,805.71              | 68.31                   | 42.075            |                    |         |
| 7,350.00                   | 7,032.02            | 6,402.72            | 5,926.98            | 37.23           | 42.05       | -70.81                | -2,224.04                         | 1,083.50   | 2,886.58             | 2,817.84              | 68.75                   | 41.989            |                    |         |
| 7,400.00                   | 7,047.15            | 6,401.52            | 5,930.84            | 37.77           | 42.04       | -69.79                | -2,225.56                         | 1,084.32   | 2,898.45             | 2,829.31              | 69.14                   | 41.923            |                    |         |
| 7,450.00                   | 7,058.51            | 6,402.19            | 5,931.46            | 38.34           | 42.05       | -68.80                | -2,225.80                         | 1,084.45   | 2,909.57             | 2,840.00              | 69.57                   | 41.823            |                    |         |
| 7,500.00                   | 7,066.02            | 6,400.70            | 5,928.82            | 38.95           | 42.04       | -67.84                | -2,224.76                         | 1,083.89   | 2,919.88             | 2,849.86              | 70.01                   | 41.704            |                    |         |
| 7,550.00                   | 7,069.64            | 6,392.87            | 5,922.95            | 39.58           | 41.98       | -66.92                | -2,222.45                         | 1,082.64   | 2,929.32             | 2,858.87              | 70.44                   | 41.584            |                    |         |
| 7,571.20                   | 7,070.00            | 6,389.08            | 5,919.49            | 39.85           | 41.95       | -66.54                | -2,221.09                         | 1,081.91   | 2,933.04             | 2,862.41              | 70.63                   | 41.529            |                    |         |
| 7,600.00                   | 7,070.00            | 6,383.51            | 5,914.41            | 40.23           | 41.91       | -66.43                | -2,219.09                         | 1,080.83   | 2,938.11             | 2,867.23              | 70.88                   | 41.451            |                    |         |
| 7,700.00                   | 7,070.01            | 6,364.16            | 5,896.74            | 41.64           | 41.78       | -66.05                | -2,212.13                         | 1,077.08   | 2,957.74             | 2,885.89              | 71.85                   | 41.166            |                    |         |
| 7,800.00                   | 7,070.02            | 6,344.81            | 5,879.08            | 43.20           | 41.64       | -65.68                | -2,205.18                         | 1,073.33   | 2,980.47             | 2,907.55              | 72.92                   | 40.874            |                    |         |
| 7,900.00                   | 7,070.03            | 6,325.46            | 5,861.42            | 44.89           | 41.50       | -65.30                | -2,198.22                         | 1,069.58   | 3,006.23             | 2,932.16              | 74.07                   | 40.587            |                    |         |
| 8,000.00                   | 7,070.04            | 6,306.11            | 5,843.76            | 46.69           | 41.36       | -64.93                | -2,191.27                         | 1,065.84   | 3,034.95             | 2,959.67              | 75.28                   | 40.317            |                    |         |
| 8,100.00                   | 7,070.05            | 6,286.77            | 5,826.09            | 48.60           | 41.22       | -64.55                | -2,184.31                         | 1,062.09   | 3,066.54             | 2,990.01              | 76.53                   | 40.072            |                    |         |
| 8,200.00                   | 7,070.05            | 6,267.42            | 5,808.43            | 50.59           | 41.09       | -64.18                | -2,177.36                         | 1,058.34   | 3,100.91             | 3,023.11              | 77.80                   | 39.858            |                    |         |
| 8,300.00                   | 7,070.06            | 8,772.37            | 7,125.89            | 52.66           | 57.75       | -91.03                | -2,687.21                         | -158.62    | 3,116.94             | 3,008.86              | 108.08                  | 28.839            |                    |         |
| 8,400.00                   | 7,070.07            | 8,872.37            | 7,126.71            | 54.81           | 59.51       | -91.04                | -2,686.94                         | -258.61    | 3,116.65             | 3,004.38              | 112.26                  | 27.762            |                    |         |
| 8,500.00                   | 7,070.08            | 8,972.37            | 7,127.52            | 57.02           | 61.39       | -91.06                | -2,686.67                         | -358.60    | 3,116.35             | 2,999.78              | 116.57                  | 26.733            |                    |         |
| 8,600.00                   | 7,070.09            | 9,072.36            | 7,128.33            | 59.28           | 63.37       | -91.07                | -2,686.39                         | -458.60    | 3,116.06             | 2,995.06              | 121.00                  | 25.752            |                    |         |
| 8,700.00                   | 7,070.10            | 9,172.36            | 7,129.15            | 61.60           | 65.43       | -91.09                | -2,686.12                         | -558.59    | 3,115.77             | 2,990.23              | 125.53                  | 24.820            |                    |         |
| 8,800.00                   | 7,070.11            | 9,272.36            | 7,129.96            | 63.95           | 67.56       | -91.10                | -2,685.84                         | -658.58    | 3,115.47             | 2,985.31              | 130.16                  | 23.936            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00   | 7,070.12            | 9,372.35            | 7,130.77            | 66.35           | 69.76       | -91.12                | -2,685.57                         | -758.57    | 3,115.18             | 2,980.31              | 134.87                  | 23.098            |                    |         |
| 9,000.00   | 7,070.13            | 9,472.35            | 7,131.59            | 68.79           | 72.02       | -91.13                | -2,685.29                         | -858.57    | 3,114.89             | 2,975.23              | 139.65                  | 22.305            |                    |         |
| 9,100.00   | 7,070.13            | 9,572.34            | 7,132.40            | 71.25           | 74.32       | -91.15                | -2,685.02                         | -958.56    | 3,114.59             | 2,970.09              | 144.50                  | 21.554            |                    |         |
| 9,200.00   | 7,070.14            | 9,672.34            | 7,133.22            | 73.74           | 76.67       | -91.16                | -2,684.74                         | -1,058.55  | 3,114.30             | 2,964.89              | 149.42                  | 20.843            |                    |         |
| 9,300.00   | 7,070.15            | 9,772.34            | 7,134.03            | 76.26           | 79.06       | -91.18                | -2,684.47                         | -1,158.55  | 3,114.01             | 2,959.62              | 154.39                  | 20.170            |                    |         |
| 9,400.00   | 7,070.16            | 9,872.33            | 7,134.84            | 78.80           | 81.48       | -91.19                | -2,684.19                         | -1,258.54  | 3,113.72             | 2,954.31              | 159.40                  | 19.533            |                    |         |
| 9,500.00   | 7,070.17            | 9,972.33            | 7,135.66            | 81.37           | 83.94       | -91.21                | -2,683.92                         | -1,358.53  | 3,113.43             | 2,949.96              | 164.47                  | 18.930            |                    |         |
| 9,600.00   | 7,070.18            | 10,072.33           | 7,136.47            | 83.95           | 86.42       | -91.22                | -2,683.64                         | -1,458.52  | 3,113.14             | 2,945.56              | 169.57                  | 18.359            |                    |         |
| 9,700.00   | 7,070.19            | 10,172.32           | 7,137.28            | 86.55           | 88.92       | -91.24                | -2,683.37                         | -1,558.52  | 3,112.85             | 2,938.13              | 174.72                  | 17.816            |                    |         |
| 9,800.00   | 7,070.20            | 10,272.32           | 7,138.10            | 89.17           | 91.45       | -91.25                | -2,683.09                         | -1,658.51  | 3,112.55             | 2,932.66              | 179.90                  | 17.302            |                    |         |
| 9,900.00   | 7,070.21            | 10,372.31           | 7,138.91            | 91.80           | 94.00       | -91.26                | -2,682.82                         | -1,758.50  | 3,112.26             | 2,927.16              | 185.11                  | 16.813            |                    |         |
| 10,000.00  | 7,070.21            | 10,472.31           | 7,139.72            | 94.44           | 96.57       | -91.28                | -2,682.55                         | -1,858.49  | 3,111.97             | 2,921.63              | 190.34                  | 16.349            |                    |         |
| 10,100.00  | 7,070.22            | 10,572.31           | 7,140.54            | 97.10           | 99.16       | -91.29                | -2,682.27                         | -1,958.49  | 3,111.68             | 2,916.07              | 195.61                  | 15.908            |                    |         |
| 10,200.00  | 7,070.23            | 10,672.30           | 7,141.35            | 99.77           | 101.76      | -91.31                | -2,682.00                         | -2,058.48  | 3,111.39             | 2,910.49              | 200.90                  | 15.487            |                    |         |
| 10,300.00  | 7,070.24            | 10,772.30           | 7,142.17            | 102.44          | 104.38      | -91.32                | -2,681.72                         | -2,158.47  | 3,111.10             | 2,904.89              | 206.21                  | 15.087            |                    |         |
| 10,400.00  | 7,070.25            | 10,872.30           | 7,142.98            | 105.13          | 107.01      | -91.34                | -2,681.45                         | -2,258.46  | 3,110.81             | 2,899.27              | 211.55                  | 14.705            |                    |         |
| 10,500.00  | 7,070.26            | 10,972.29           | 7,143.79            | 107.83          | 109.65      | -91.35                | -2,681.17                         | -2,358.46  | 3,110.52             | 2,893.62              | 216.90                  | 14.341            |                    |         |
| 10,600.00  | 7,070.27            | 11,072.29           | 7,144.61            | 110.53          | 112.30      | -91.37                | -2,680.90                         | -2,458.45  | 3,110.24             | 2,887.96              | 222.27                  | 13.993            |                    |         |
| 10,700.00  | 7,070.28            | 11,172.28           | 7,145.42            | 113.24          | 114.97      | -91.38                | -2,680.62                         | -2,558.44  | 3,109.95             | 2,882.29              | 227.66                  | 13.661            |                    |         |
| 10,800.00  | 7,070.28            | 11,272.28           | 7,146.23            | 115.96          | 117.64      | -91.40                | -2,680.35                         | -2,658.43  | 3,109.66             | 2,876.59              | 233.06                  | 13.343            |                    |         |
| 10,900.00  | 7,070.29            | 11,372.28           | 7,147.05            | 118.69          | 120.32      | -91.41                | -2,680.07                         | -2,758.43  | 3,109.37             | 2,870.89              | 238.48                  | 13.038            |                    |         |
| 11,000.00  | 7,070.30            | 11,472.27           | 7,147.86            | 121.42          | 123.02      | -91.43                | -2,679.80                         | -2,858.42  | 3,109.08             | 2,865.17              | 243.91                  | 12.747            |                    |         |
| 11,100.00  | 7,070.31            | 11,572.27           | 7,148.67            | 124.16          | 125.72      | -91.44                | -2,679.52                         | -2,958.41  | 3,108.79             | 2,859.43              | 249.36                  | 12.467            |                    |         |
| 11,200.00  | 7,070.32            | 11,672.27           | 7,149.49            | 126.90          | 128.42      | -91.46                | -2,679.25                         | -3,058.40  | 3,108.50             | 2,853.69              | 254.81                  | 12.199            |                    |         |
| 11,300.00  | 7,070.33            | 11,772.26           | 7,150.30            | 129.65          | 131.13      | -91.47                | -2,678.98                         | -3,158.40  | 3,108.22             | 2,847.94              | 260.28                  | 11.942            |                    |         |
| 11,400.00  | 7,070.34            | 11,872.26           | 7,151.12            | 132.40          | 133.85      | -91.49                | -2,678.70                         | -3,258.39  | 3,107.93             | 2,842.17              | 265.76                  | 11.695            |                    |         |
| 11,500.00  | 7,070.35            | 11,972.26           | 7,151.93            | 135.16          | 136.58      | -91.50                | -2,678.43                         | -3,358.38  | 3,107.64             | 2,836.40              | 271.25                  | 11.457            |                    |         |
| 11,600.00  | 7,070.36            | 12,072.25           | 7,152.74            | 137.92          | 139.31      | -91.52                | -2,678.15                         | -3,458.38  | 3,107.36             | 2,830.61              | 276.74                  | 11.228            |                    |         |
| 11,700.00  | 7,070.36            | 12,172.25           | 7,153.56            | 140.69          | 142.05      | -91.53                | -2,677.88                         | -3,558.37  | 3,107.07             | 2,824.82              | 282.25                  | 11.008            |                    |         |
| 11,800.00  | 7,070.37            | 12,272.24           | 7,154.37            | 143.46          | 144.79      | -91.55                | -2,677.60                         | -3,658.36  | 3,106.78             | 2,819.02              | 287.76                  | 10.796            |                    |         |
| 11,900.00  | 7,070.38            | 12,372.24           | 7,155.18            | 146.23          | 147.53      | -91.56                | -2,677.33                         | -3,758.35  | 3,106.50             | 2,813.21              | 293.28                  | 10.592            |                    |         |
| 12,000.00  | 7,070.39            | 12,472.24           | 7,156.00            | 149.01          | 150.28      | -91.58                | -2,677.05                         | -3,858.35  | 3,106.21             | 2,807.40              | 298.81                  | 10.395            |                    |         |
| 12,100.00  | 7,070.40            | 12,572.23           | 7,156.81            | 151.79          | 153.04      | -91.59                | -2,676.78                         | -3,958.34  | 3,105.92             | 2,801.58              | 304.35                  | 10.205            |                    |         |
| 12,200.00  | 7,070.41            | 12,672.23           | 7,157.62            | 154.57          | 155.80      | -91.61                | -2,676.50                         | -4,058.33  | 3,105.64             | 2,795.75              | 309.89                  | 10.022            |                    |         |
| 12,300.00  | 7,070.42            | 12,772.23           | 7,158.44            | 157.35          | 158.56      | -91.62                | -2,676.23                         | -4,158.32  | 3,105.35             | 2,789.91              | 315.44                  | 9.845             |                    |         |
| 12,400.00  | 7,070.43            | 12,872.22           | 7,159.25            | 160.14          | 161.33      | -91.64                | -2,675.95                         | -4,258.32  | 3,105.07             | 2,784.08              | 320.99                  | 9.673             |                    |         |
| 12,500.00  | 7,070.44            | 12,972.22           | 7,160.07            | 162.93          | 164.09      | -91.65                | -2,675.68                         | -4,358.31  | 3,104.78             | 2,778.23              | 326.55                  | 9.508             |                    |         |
| 12,600.00  | 7,070.44            | 13,072.21           | 7,160.88            | 165.72          | 166.87      | -91.67                | -2,675.40                         | -4,458.30  | 3,104.50             | 2,772.38              | 332.11                  | 9.348             |                    |         |
| 12,700.00  | 7,070.45            | 13,172.21           | 7,161.69            | 168.52          | 169.64      | -91.68                | -2,675.13                         | -4,558.29  | 3,104.21             | 2,766.53              | 337.68                  | 9.193             |                    |         |
| 12,747.85  | 7,070.46            | 13,220.06           | 7,162.08            | 169.86          | 170.97      | -91.69                | -2,675.00                         | -4,606.14  | 3,104.08             | 2,763.73              | 340.35                  | 9.120             |                    |         |
| 12,800.00  | 7,070.46            | 13,210.89           | 7,162.01            | 171.32          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,104.53             | 2,763.16              | 341.38                  | 9.094             |                    |         |
| 12,900.00  | 7,070.47            | 13,210.89           | 7,162.01            | 174.11          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,107.83             | 2,764.23              | 343.61                  | 9.045             |                    |         |
| 13,000.00  | 7,070.48            | 13,210.89           | 7,162.01            | 176.92          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,114.34             | 2,768.84              | 345.50                  | 9.014             |                    |         |
| 13,100.00  | 7,070.49            | 13,210.89           | 7,162.01            | 179.72          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,124.04             | 2,776.99              | 347.05                  | 9.002 SF          |                    |         |
| 13,200.00  | 7,070.50            | 13,210.89           | 7,162.01            | 182.52          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,136.90             | 2,788.64              | 348.26                  | 9.007             |                    |         |
| 13,300.00  | 7,070.51            | 13,210.89           | 7,162.01            | 185.33          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,152.87             | 2,803.74              | 349.13                  | 9.031             |                    |         |
| 13,400.00  | 7,070.52            | 13,210.89           | 7,162.01            | 188.14          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,171.93             | 2,822.25              | 349.68                  | 9.071             |                    |         |
| 13,500.00  | 7,070.52            | 13,210.89           | 7,162.01            | 190.95          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,194.00             | 2,844.09              | 349.91                  | 9.128             |                    |         |
| 13,600.00  | 7,070.53            | 13,210.89           | 7,162.01            | 193.76          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,219.02             | 2,869.20              | 349.83                  | 9.202             |                    |         |
| 13,700.00  | 7,070.54            | 13,210.89           | 7,162.01            | 196.57          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,246.94             | 2,897.48              | 349.46                  | 9.291             |                    |         |
| 13,800.00  | 7,070.55            | 13,210.89           | 7,162.01            | 199.38          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,277.67             | 2,928.86              | 348.81                  | 9.397             |                    |         |
| 13,900.00  | 7,070.56            | 13,210.89           | 7,162.01            | 202.20          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,311.13             | 2,963.23              | 347.91                  | 9.517             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                     |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00  | 7,070.57            | 13,210.89           | 7,162.01            | 205.01          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,347.25             | 3,000.49              | 346.77                  | 9.653             |                    |         |
| 14,100.00  | 7,070.58            | 13,210.89           | 7,162.01            | 207.83          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,385.94             | 3,040.54              | 345.40                  | 9.803             |                    |         |
| 14,200.00  | 7,070.59            | 13,210.89           | 7,162.01            | 210.65          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,427.11             | 3,083.28              | 343.84                  | 9.967             |                    |         |
| 14,300.00  | 7,070.60            | 13,210.89           | 7,162.01            | 213.47          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,470.68             | 3,128.59              | 342.09                  | 10.145            |                    |         |
| 14,400.00  | 7,070.60            | 13,210.89           | 7,162.01            | 216.29          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,516.55             | 3,176.37              | 340.18                  | 10.337            |                    |         |
| 14,500.00  | 7,070.61            | 13,210.89           | 7,162.01            | 219.11          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,564.63             | 3,226.51              | 338.12                  | 10.542            |                    |         |
| 14,600.00  | 7,070.62            | 13,210.89           | 7,162.01            | 221.94          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,614.84             | 3,278.90              | 335.94                  | 10.760            |                    |         |
| 14,700.00  | 7,070.63            | 13,210.89           | 7,162.01            | 224.76          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,667.10             | 3,333.45              | 333.65                  | 10.991            |                    |         |
| 14,800.00  | 7,070.64            | 13,210.89           | 7,162.01            | 227.58          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,721.30             | 3,390.05              | 331.26                  | 11.234            |                    |         |
| 14,900.00  | 7,070.65            | 13,210.89           | 7,162.01            | 230.41          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,777.38             | 3,448.59              | 328.79                  | 11.489            |                    |         |
| 15,000.00  | 7,070.66            | 13,210.89           | 7,162.01            | 233.24          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,835.24             | 3,508.99              | 326.25                  | 11.755            |                    |         |
| 15,100.00  | 7,070.67            | 13,210.89           | 7,162.01            | 236.06          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,894.82             | 3,571.15              | 323.67                  | 12.033            |                    |         |
| 15,200.00  | 7,070.68            | 13,210.89           | 7,162.01            | 238.89          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 3,956.02             | 3,634.98              | 321.04                  | 12.322            |                    |         |
| 15,300.00  | 7,070.68            | 13,210.89           | 7,162.01            | 241.72          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,018.78             | 3,700.39              | 318.38                  | 12.622            |                    |         |
| 15,400.00  | 7,070.69            | 13,210.89           | 7,162.01            | 244.55          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,083.02             | 3,767.32              | 315.71                  | 12.933            |                    |         |
| 15,500.00  | 7,070.70            | 13,210.89           | 7,162.01            | 247.38          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,148.68             | 3,835.66              | 313.02                  | 13.254            |                    |         |
| 15,600.00  | 7,070.71            | 13,210.89           | 7,162.01            | 250.21          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,215.69             | 3,905.37              | 310.33                  | 13.585            |                    |         |
| 15,700.00  | 7,070.72            | 13,210.89           | 7,162.01            | 253.04          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,283.99             | 3,976.35              | 307.64                  | 13.925            |                    |         |
| 15,800.00  | 7,070.73            | 13,210.89           | 7,162.01            | 255.87          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,353.51             | 4,048.55              | 304.97                  | 14.275            |                    |         |
| 15,900.00  | 7,070.74            | 13,210.89           | 7,162.01            | 258.71          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,424.20             | 4,121.90              | 302.31                  | 14.635            |                    |         |
| 16,000.00  | 7,070.75            | 13,210.89           | 7,162.01            | 261.54          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,496.01             | 4,196.34              | 299.67                  | 15.003            |                    |         |
| 16,100.00  | 7,070.76            | 13,210.89           | 7,162.01            | 264.37          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,568.87             | 4,271.81              | 297.06                  | 15.380            |                    |         |
| 16,200.00  | 7,070.76            | 13,210.89           | 7,162.01            | 267.21          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,642.74             | 4,348.27              | 294.47                  | 15.766            |                    |         |
| 16,300.00  | 7,070.77            | 13,210.89           | 7,162.01            | 270.04          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,717.58             | 4,425.66              | 291.92                  | 16.160            |                    |         |
| 16,400.00  | 7,070.78            | 13,210.89           | 7,162.01            | 272.88          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,793.34             | 4,503.93              | 289.41                  | 16.563            |                    |         |
| 16,500.00  | 7,070.79            | 13,210.89           | 7,162.01            | 275.71          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,869.97             | 4,583.04              | 286.93                  | 16.973            |                    |         |
| 16,600.00  | 7,070.80            | 13,210.89           | 7,162.01            | 278.55          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 4,947.43             | 4,662.94              | 284.49                  | 17.391            |                    |         |
| 16,700.00  | 7,070.81            | 13,210.89           | 7,162.01            | 281.39          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,025.69             | 4,743.60              | 282.09                  | 17.816            |                    |         |
| 16,800.00  | 7,070.82            | 13,210.89           | 7,162.01            | 284.22          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,104.71             | 4,824.98              | 279.73                  | 18.249            |                    |         |
| 16,900.00  | 7,070.83            | 13,210.89           | 7,162.01            | 287.06          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,184.45             | 4,907.04              | 277.42                  | 18.688            |                    |         |
| 17,000.00  | 7,070.84            | 13,210.89           | 7,162.01            | 289.90          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,264.89             | 4,989.75              | 275.14                  | 19.135            |                    |         |
| 17,100.00  | 7,070.84            | 13,210.89           | 7,162.01            | 292.74          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,345.99             | 5,073.07              | 272.92                  | 19.588            |                    |         |
| 17,200.00  | 7,070.85            | 13,210.89           | 7,162.01            | 295.58          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,427.71             | 5,156.98              | 270.73                  | 20.048            |                    |         |
| 17,300.00  | 7,070.86            | 13,210.89           | 7,162.01            | 298.42          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,510.04             | 5,241.45              | 268.60                  | 20.514            |                    |         |
| 17,400.00  | 7,070.87            | 13,210.89           | 7,162.01            | 301.26          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,592.95             | 5,326.45              | 266.50                  | 20.987            |                    |         |
| 17,500.00  | 7,070.88            | 13,210.89           | 7,162.01            | 304.10          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,676.40             | 5,411.95              | 264.45                  | 21.465            |                    |         |
| 17,600.00  | 7,070.89            | 13,210.89           | 7,162.01            | 306.94          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,760.39             | 5,497.94              | 262.45                  | 21.949            |                    |         |
| 17,700.00  | 7,070.90            | 13,210.89           | 7,162.01            | 309.78          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,844.87             | 5,584.39              | 260.48                  | 22.439            |                    |         |
| 17,800.00  | 7,070.91            | 13,210.89           | 7,162.01            | 312.62          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 5,929.84             | 5,671.28              | 258.56                  | 22.934            |                    |         |
| 17,900.00  | 7,070.92            | 13,210.89           | 7,162.01            | 315.46          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,015.28             | 5,758.59              | 256.69                  | 23.434            |                    |         |
| 18,000.00  | 7,070.92            | 13,210.89           | 7,162.01            | 318.31          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,101.15             | 5,846.30              | 254.85                  | 23.940            |                    |         |
| 18,100.00  | 7,070.93            | 13,210.89           | 7,162.01            | 321.15          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,187.45             | 5,934.39              | 253.06                  | 24.451            |                    |         |
| 18,200.00  | 7,070.94            | 13,210.89           | 7,162.01            | 323.99          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,274.16             | 6,022.85              | 251.30                  | 24.967            |                    |         |
| 18,300.00  | 7,070.95            | 13,210.89           | 7,162.01            | 326.83          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,361.25             | 6,111.66              | 249.59                  | 25.487            |                    |         |
| 18,400.00  | 7,070.96            | 13,210.89           | 7,162.01            | 329.68          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,448.72             | 6,200.81              | 247.91                  | 26.012            |                    |         |
| 18,500.00  | 7,070.97            | 13,210.89           | 7,162.01            | 332.52          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,536.55             | 6,290.28              | 246.28                  | 26.541            |                    |         |
| 18,600.00  | 7,070.98            | 13,210.89           | 7,162.01            | 335.36          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,624.73             | 6,380.05              | 244.68                  | 27.075            |                    |         |
| 18,700.00  | 7,070.99            | 13,210.89           | 7,162.01            | 338.21          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,713.24             | 6,470.12              | 243.12                  | 27.613            |                    |         |
| 18,800.00  | 7,070.99            | 13,210.89           | 7,162.01            | 341.05          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,802.06             | 6,560.47              | 241.59                  | 28.155            |                    |         |
| 18,858.54  | 7,071.00            | 13,210.89           | 7,162.01            | 342.72          | 170.72      | -91.69                | -2,675.02                         | -4,596.97  | 6,854.20             | 6,613.49              | 240.72                  | 28.474            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00   | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -179.47               | -29.87                            | -0.28      | 29.87                |                       |                         |                   |                    |         |
| 100.00   | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -179.47               | -29.87                            | -0.28      | 29.87                | 23.30                 | 6.57                    | 4.547             |                    |         |
| 200.00   | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -179.47               | -29.87                            | -0.28      | 29.87                | 23.20                 | 6.67                    | 4.476             |                    |         |
| 209.71   | 209.71              | 209.71              | 209.71              | 3.35            | 3.35        | -179.47               | -29.87                            | -0.28      | 29.87                | 23.18                 | 6.69                    | 4.465 CC          |                    |         |
| 300.00   | 300.00              | 299.96              | 299.94              | 3.44            | 3.44        | 177.19                | -29.89                            | 1.47       | 29.93                | 23.04                 | 6.89                    | 4.345             |                    |         |
| 400.00   | 399.98              | 399.76              | 399.60              | 3.60            | 3.60        | 98.12                 | -29.96                            | 6.68       | 30.89                | 23.69                 | 7.20                    | 4.292             |                    |         |
| 500.00   | 499.84              | 499.43              | 498.88              | 3.80            | 3.80        | 92.24                 | -30.06                            | 15.35      | 33.33                | 25.73                 | 7.60                    | 4.384             |                    |         |
| 600.00   | 599.45              | 598.93              | 597.64              | 4.04            | 4.05        | 87.55                 | -30.21                            | 27.45      | 37.14                | 29.05                 | 8.09                    | 4.589             |                    |         |
| 700.00   | 698.70              | 698.25              | 695.74              | 4.32            | 4.33        | 84.14                 | -30.40                            | 42.94      | 42.20                | 33.54                 | 8.66                    | 4.874             |                    |         |
| 800.00   | 797.47              | 797.38              | 793.06              | 4.63            | 4.65        | 81.84                 | -30.64                            | 61.78      | 48.40                | 39.11                 | 9.29                    | 5.210             |                    |         |
| 900.00   | 895.62              | 896.72              | 889.96              | 4.97            | 5.01        | 80.77                 | -30.91                            | 83.64      | 55.48                | 45.50                 | 9.98                    | 5.561             |                    |         |
| 924.00   | 919.08              | 920.66              | 913.29              | 5.06            | 5.10        | 80.96                 | -30.98                            | 89.02      | 57.15                | 47.00                 | 10.15                   | 5.631             |                    |         |
| 1,000.00   | 993.28              | 996.47              | 987.17              | 5.34            | 5.40        | 81.88                 | -31.19                            | 106.05     | 62.41                | 51.69                 | 10.72                   | 5.822             |                    |         |
| 1,100.00   | 1,090.92            | 1,103.77            | 1,084.37            | 5.73            | 5.84        | 82.88                 | -31.46                            | 128.46     | 69.34                | 57.80                 | 11.54                   | 6.010             |                    |         |
| 1,200.00   | 1,188.56            | 1,195.98            | 1,181.57            | 6.15            | 6.24        | 83.70                 | -31.74                            | 150.87     | 76.29                | 63.96                 | 12.33                   | 6.187             |                    |         |
| 1,300.00   | 1,286.19            | 1,304.27            | 1,278.77            | 6.57            | 6.72        | 84.38                 | -32.02                            | 173.28     | 83.25                | 70.03                 | 13.22                   | 6.297             |                    |         |
| 1,400.00   | 1,383.83            | 1,404.52            | 1,375.97            | 7.01            | 7.18        | 84.95                 | -32.30                            | 195.69     | 90.22                | 76.12                 | 14.10                   | 6.398             |                    |         |
| 1,500.00   | 1,481.47            | 1,504.76            | 1,473.18            | 7.46            | 7.64        | 85.45                 | -32.58                            | 218.11     | 97.20                | 82.20                 | 15.00                   | 6.479             |                    |         |
| 1,600.00   | 1,579.10            | 1,605.01            | 1,570.38            | 7.91            | 8.11        | 85.87                 | -32.85                            | 240.52     | 104.18               | 88.27                 | 15.92                   | 6.545             |                    |         |
| 1,700.00   | 1,676.74            | 1,705.26            | 1,667.58            | 8.37            | 8.59        | 86.24                 | -33.13                            | 262.93     | 111.17               | 94.33                 | 16.85                   | 6.599             |                    |         |
| 1,800.00   | 1,774.38            | 1,805.50            | 1,764.78            | 8.84            | 9.08        | 86.57                 | -33.41                            | 285.34     | 118.17               | 100.38                | 17.79                   | 6.643             |                    |         |
| 1,900.00   | 1,872.02            | 1,905.75            | 1,861.99            | 9.31            | 9.57        | 86.86                 | -33.69                            | 307.75     | 125.16               | 106.42                | 18.74                   | 6.679             |                    |         |
| 2,000.00   | 1,969.65            | 2,006.00            | 1,959.19            | 9.79            | 10.06       | 87.13                 | -33.97                            | 330.16     | 132.17               | 112.47                | 19.70                   | 6.709             |                    |         |
| 2,100.00   | 2,067.29            | 2,106.24            | 2,056.39            | 10.27           | 10.56       | 87.36                 | -34.24                            | 352.57     | 139.17               | 118.50                | 20.67                   | 6.734             |                    |         |
| 2,200.00   | 2,164.93            | 2,206.49            | 2,153.59            | 10.75           | 11.06       | 87.57                 | -34.52                            | 374.99     | 146.17               | 124.53                | 21.64                   | 6.755             |                    |         |
| 2,300.00   | 2,262.56            | 2,306.74            | 2,250.80            | 11.24           | 11.56       | 87.77                 | -34.80                            | 397.40     | 153.18               | 130.56                | 22.62                   | 6.773             |                    |         |
| 2,400.00   | 2,360.20            | 2,406.99            | 2,348.00            | 11.73           | 12.07       | 87.94                 | -35.08                            | 419.81     | 160.19               | 136.59                | 23.60                   | 6.788             |                    |         |
| 2,500.00   | 2,457.84            | 2,507.23            | 2,445.20            | 12.22           | 12.57       | 88.10                 | -35.35                            | 442.22     | 167.20               | 142.61                | 24.59                   | 6.800             |                    |         |
| 2,600.00   | 2,555.48            | 2,607.48            | 2,542.40            | 12.71           | 13.08       | 88.25                 | -35.63                            | 464.63     | 174.21               | 148.63                | 25.58                   | 6.811             |                    |         |
| 2,700.00   | 2,653.11            | 2,707.73            | 2,639.61            | 13.20           | 13.59       | 88.39                 | -35.91                            | 487.04     | 181.22               | 154.65                | 26.57                   | 6.820             |                    |         |
| 2,800.00   | 2,750.75            | 2,807.97            | 2,736.81            | 13.70           | 14.10       | 88.51                 | -36.19                            | 509.45     | 188.24               | 160.67                | 27.57                   | 6.828             |                    |         |
| 2,900.00   | 2,848.39            | 2,908.22            | 2,834.01            | 14.19           | 14.62       | 88.63                 | -36.47                            | 531.87     | 195.25               | 166.68                | 28.57                   | 6.835             |                    |         |
| 3,000.00   | 2,946.02            | 3,008.47            | 2,931.21            | 14.69           | 15.13       | 88.74                 | -36.74                            | 554.28     | 202.26               | 172.69                | 29.57                   | 6.840             |                    |         |
| 3,100.00   | 3,043.66            | 3,108.72            | 3,028.42            | 15.19           | 15.64       | 88.84                 | -37.02                            | 576.69     | 209.28               | 178.71                | 30.57                   | 6.845             |                    |         |
| 3,200.00   | 3,141.30            | 3,208.96            | 3,125.62            | 15.69           | 16.16       | 88.94                 | -37.30                            | 599.10     | 216.30               | 184.72                | 31.58                   | 6.849             |                    |         |
| 3,300.00   | 3,238.94            | 3,309.21            | 3,222.82            | 16.19           | 16.68       | 89.03                 | -37.58                            | 621.51     | 223.31               | 190.73                | 32.59                   | 6.853             |                    |         |
| 3,400.00   | 3,336.57            | 3,409.46            | 3,320.02            | 16.69           | 17.19       | 89.11                 | -37.86                            | 643.92     | 230.33               | 196.73                | 33.60                   | 6.856             |                    |         |
| 3,500.00   | 3,434.21            | 3,509.70            | 3,417.22            | 17.19           | 17.71       | 89.19                 | -38.13                            | 666.33     | 237.35               | 202.74                | 34.61                   | 6.859             |                    |         |
| 3,600.00   | 3,531.85            | 3,609.95            | 3,514.43            | 17.69           | 18.23       | 89.26                 | -38.41                            | 688.75     | 244.37               | 208.75                | 35.62                   | 6.861             |                    |         |
| 3,700.00   | 3,629.48            | 3,689.80            | 3,611.63            | 18.20           | 18.64       | 89.34                 | -38.69                            | 711.16     | 251.38               | 214.86                | 36.53                   | 6.882             |                    |         |
| 3,800.00   | 3,727.12            | 3,789.56            | 3,708.83            | 18.70           | 19.16       | 89.40                 | -38.97                            | 733.57     | 258.40               | 220.86                | 37.54                   | 6.884             |                    |         |
| 3,900.00   | 3,824.76            | 3,889.31            | 3,806.03            | 19.21           | 19.67       | 89.46                 | -39.24                            | 755.98     | 265.42               | 226.87                | 38.55                   | 6.885             |                    |         |
| 4,000.00   | 3,922.40            | 3,989.06            | 3,903.24            | 19.71           | 20.19       | 89.52                 | -39.52                            | 778.39     | 272.44               | 232.88                | 39.56                   | 6.886             |                    |         |
| 4,100.00   | 4,020.03            | 4,088.81            | 4,000.44            | 20.21           | 20.71       | 89.58                 | -39.80                            | 800.80     | 279.46               | 238.88                | 40.58                   | 6.887             |                    |         |
| 4,200.00   | 4,117.67            | 4,188.57            | 4,097.64            | 20.72           | 21.23       | 89.63                 | -40.08                            | 823.21     | 286.48               | 244.89                | 41.59                   | 6.888             |                    |         |
| 4,300.00   | 4,215.31            | 4,288.32            | 4,194.84            | 21.23           | 21.75       | 89.69                 | -40.36                            | 845.63     | 293.50               | 250.89                | 42.61                   | 6.888             |                    |         |
| 4,400.00   | 4,312.94            | 4,388.07            | 4,292.05            | 21.73           | 22.27       | 89.74                 | -40.63                            | 868.04     | 300.52               | 256.90                | 43.63                   | 6.889             |                    |         |
| 4,500.00   | 4,410.58            | 4,487.83            | 4,389.25            | 22.24           | 22.79       | 89.78                 | -40.91                            | 890.45     | 307.54               | 262.90                | 44.64                   | 6.889             |                    |         |
| 4,600.00   | 4,508.22            | 4,587.58            | 4,486.45            | 22.75           | 23.31       | 89.83                 | -41.19                            | 912.86     | 314.56               | 268.90                | 45.66                   | 6.889             |                    |         |
| 4,700.00   | 4,605.86            | 4,687.33            | 4,583.65            | 23.25           | 23.83       | 89.87                 | -41.47                            | 935.27     | 321.58               | 274.91                | 46.68                   | 6.889             |                    |         |
| 4,800.00   | 4,703.49            | 4,787.09            | 4,680.86            | 23.76           | 24.35       | 89.91                 | -41.74                            | 957.68     | 328.60               | 280.91                | 47.70                   | 6.889             |                    |         |
| 4,900.00   | 4,801.13            | 4,886.84            | 4,778.06            | 24.27           | 24.87       | 89.95                 | -42.02                            | 980.09     | 335.63               | 286.91                | 48.72                   | 6.889             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00   | 4,898.77            | 4,986.59            | 4,875.26            | 24.77           | 25.39       | 89.99                 | -42.30                            | 1,002.51   | 342.65               | 292.91                | 49.74                   | 6.889             |                    |         |
| 5,100.00   | 4,996.40            | 5,086.34            | 4,972.46            | 25.28           | 25.91       | 90.02                 | -42.58                            | 1,024.92   | 349.67               | 298.91                | 50.76                   | 6.889             |                    |         |
| 5,200.00   | 5,094.04            | 5,186.10            | 5,069.66            | 25.79           | 26.43       | 90.06                 | -42.86                            | 1,047.33   | 356.69               | 304.91                | 51.78                   | 6.889             |                    |         |
| 5,300.00   | 5,191.68            | 5,285.85            | 5,166.87            | 26.30           | 26.95       | 90.09                 | -43.13                            | 1,069.74   | 363.71               | 310.91                | 52.80                   | 6.889             |                    |         |
| 5,400.00   | 5,289.32            | 5,385.60            | 5,264.07            | 26.81           | 27.47       | 90.12                 | -43.41                            | 1,092.15   | 370.73               | 316.92                | 53.82                   | 6.889             |                    |         |
| 5,500.00   | 5,386.95            | 5,485.36            | 5,361.27            | 27.32           | 27.99       | 90.15                 | -43.69                            | 1,114.56   | 377.76               | 322.92                | 54.84                   | 6.888             |                    |         |
| 5,600.00   | 5,484.59            | 5,585.20            | 5,458.57            | 27.83           | 28.51       | 90.18                 | -43.97                            | 1,136.99   | 384.78               | 328.91                | 55.86                   | 6.888             |                    |         |
| 5,700.00   | 5,582.23            | 5,689.20            | 5,560.32            | 28.33           | 29.04       | 90.49                 | -44.23                            | 1,158.43   | 391.23               | 334.31                | 56.92                   | 6.873             |                    |         |
| 5,800.00   | 5,679.87            | 5,793.06            | 5,662.66            | 28.84           | 29.54       | 91.30                 | -44.45                            | 1,176.15   | 396.66               | 338.69                | 57.97                   | 6.843             |                    |         |
| 5,900.00   | 5,777.50            | 5,896.52            | 5,765.17            | 29.35           | 30.01       | 92.61                 | -44.63                            | 1,190.09   | 401.19               | 342.19                | 58.99                   | 6.800             |                    |         |
| 6,000.00   | 5,875.14            | 5,999.31            | 5,867.45            | 29.86           | 30.45       | 94.38                 | -44.75                            | 1,200.27   | 405.06               | 345.05                | 60.00                   | 6.751             |                    |         |
| 6,100.00   | 5,972.78            | 6,101.17            | 5,969.10            | 30.37           | 30.86       | 96.59                 | -44.83                            | 1,206.73   | 408.57               | 347.58                | 60.99                   | 6.699             |                    |         |
| 6,200.00   | 6,070.41            | 6,201.87            | 6,069.75            | 30.88           | 31.25       | 99.22                 | -44.87                            | 1,209.56   | 412.12               | 350.17                | 61.95                   | 6.653             |                    |         |
| 6,300.00   | 6,168.05            | 6,300.17            | 6,168.05            | 31.39           | 31.61       | 102.09                | -44.87                            | 1,209.72   | 416.23               | 353.37                | 62.86                   | 6.622             |                    |         |
| 6,400.00   | 6,265.69            | 6,402.19            | 6,265.69            | 31.90           | 31.98       | 104.90                | -44.87                            | 1,209.72   | 421.39               | 357.63                | 63.76                   | 6.609             |                    |         |
| 6,439.09   | 6,303.85            | 6,435.97            | 6,303.85            | 32.10           | 32.10       | 105.98                | -44.87                            | 1,209.72   | 423.69               | 359.61                | 64.08                   | 6.612             |                    |         |
| 6,450.00   | 6,314.53            | 6,446.65            | 6,314.53            | 32.16           | 32.14       | 107.80                | -44.87                            | 1,209.72   | 424.36               | 360.19                | 64.17                   | 6.613             |                    |         |
| 6,500.00   | 6,363.83            | 6,504.05            | 6,363.83            | 32.39           | 32.35       | 120.51                | -44.87                            | 1,209.72   | 427.60               | 362.98                | 64.61                   | 6.618             |                    |         |
| 6,550.00   | 6,413.58            | 6,545.70            | 6,413.58            | 32.60           | 32.50       | 153.87                | -44.87                            | 1,209.72   | 430.93               | 365.96                | 64.97                   | 6.632             |                    |         |
| 6,600.00   | 6,463.45            | 6,604.42            | 6,463.45            | 32.79           | 32.72       | -145.04               | -44.87                            | 1,209.72   | 434.24               | 368.87                | 65.38                   | 6.642             |                    |         |
| 6,650.00   | 6,513.15            | 6,645.28            | 6,513.15            | 32.97           | 32.87       | -117.79               | -44.87                            | 1,209.72   | 437.52               | 371.81                | 65.71                   | 6.658             |                    |         |
| 6,700.00   | 6,562.37            | 6,694.49            | 6,562.37            | 33.15           | 33.05       | -108.53               | -44.87                            | 1,209.72   | 440.86               | 374.78                | 66.08                   | 6.671             |                    |         |
| 6,750.00   | 6,610.80            | 6,743.38            | 6,610.80            | 33.34           | 33.23       | -104.89               | -44.87                            | 1,209.68   | 444.45               | 377.99                | 66.45                   | 6.688             |                    |         |
| 6,800.00   | 6,658.14            | 6,795.50            | 6,658.14            | 33.53           | 33.41       | -103.52               | -44.73                            | 1,206.99   | 448.24               | 381.41                | 66.83                   | 6.707             |                    |         |
| 6,850.00   | 6,704.11            | 6,848.91            | 6,716.20            | 33.74           | 33.60       | -103.12               | -44.37                            | 1,199.84   | 452.11               | 384.90                | 67.21                   | 6.727             |                    |         |
| 6,900.00   | 6,748.42            | 6,903.67            | 6,789.63            | 33.97           | 33.80       | -103.26               | -43.76                            | 1,187.93   | 455.99               | 388.41                | 67.58                   | 6.747             |                    |         |
| 6,950.00   | 6,790.79            | 6,959.83            | 6,823.16            | 34.21           | 34.03       | -103.70               | -42.90                            | 1,171.00   | 459.82               | 391.89                | 67.94                   | 6.768             |                    |         |
| 7,000.00   | 6,830.97            | 7,017.45            | 6,876.29            | 34.48           | 34.28       | -104.32               | -41.78                            | 1,148.81   | 463.54               | 395.26                | 68.28                   | 6.789             |                    |         |
| 7,050.00   | 6,868.71            | 7,076.53            | 6,928.47            | 34.77           | 34.56       | -105.06               | -40.37                            | 1,121.17   | 467.06               | 398.46                | 68.61                   | 6.808             |                    |         |
| 7,100.00   | 6,903.77            | 7,137.08            | 6,979.05            | 35.09           | 34.87       | -105.84               | -38.69                            | 1,087.95   | 470.31               | 401.39                | 68.92                   | 6.824             |                    |         |
| 7,150.00   | 6,935.93            | 7,199.08            | 7,027.32            | 35.44           | 35.23       | -106.65               | -36.72                            | 1,049.14   | 473.20               | 403.95                | 69.24                   | 6.834             |                    |         |
| 7,200.00   | 6,965.01            | 7,262.46            | 7,072.52            | 35.83           | 35.65       | -107.44               | -34.47                            | 1,004.80   | 475.65               | 406.04                | 69.61                   | 6.833             |                    |         |
| 7,250.00   | 6,990.82            | 7,327.13            | 7,113.85            | 36.26           | 36.14       | -108.20               | -31.95                            | 955.17     | 477.57               | 407.53                | 70.04                   | 6.818             |                    |         |
| 7,300.00   | 7,013.20            | 7,392.95            | 7,150.53            | 36.72           | 36.69       | -108.90               | -29.18                            | 900.61     | 478.90               | 408.32                | 70.58                   | 6.785             |                    |         |
| 7,350.00   | 7,032.02            | 7,459.76            | 7,181.79            | 37.23           | 37.32       | -109.53               | -26.18                            | 841.69     | 479.57               | 408.30                | 71.27                   | 6.729             |                    |         |
| 7,400.00   | 7,047.15            | 7,527.34            | 7,206.95            | 37.77           | 38.04       | -110.08               | -23.01                            | 779.08     | 479.52               | 407.37                | 72.16                   | 6.646             |                    |         |
| 7,450.00   | 7,058.51            | 7,595.45            | 7,225.44            | 38.34           | 38.82       | -110.52               | -19.68                            | 713.64     | 478.71               | 405.48                | 73.23                   | 6.537             |                    |         |
| 7,500.00   | 7,066.02            | 7,663.84            | 7,236.86            | 38.95           | 39.66       | -110.86               | -16.27                            | 646.33     | 477.13               | 402.61                | 74.52                   | 6.403             |                    |         |
| 7,550.00   | 7,069.64            | 7,732.24            | 7,240.99            | 39.58           | 40.54       | -111.09               | -12.81                            | 578.18     | 474.76               | 398.78                | 75.98                   | 6.248             |                    |         |
| 7,571.20   | 7,070.00            | 7,754.27            | 7,241.03            | 39.85           | 40.84       | -111.19               | -11.69                            | 556.18     | 473.66               | 397.13                | 76.53                   | 6.190             |                    |         |
| 7,600.00   | 7,070.00            | 7,783.03            | 7,241.08            | 40.23           | 41.24       | -111.26               | -10.23                            | 527.45     | 472.31               | 395.08                | 77.23                   | 6.116             |                    |         |
| 7,700.00   | 7,070.01            | 7,882.90            | 7,241.24            | 41.64           | 42.71       | -111.51               | -5.17                             | 427.71     | 467.61               | 387.75                | 79.86                   | 5.855             |                    |         |
| 7,800.00   | 7,070.02            | 7,982.77            | 7,241.41            | 43.20           | 44.31       | -111.76               | -0.10                             | 327.97     | 462.92               | 380.18                | 82.74                   | 5.595             |                    |         |
| 7,900.00   | 7,070.03            | 8,082.64            | 7,241.58            | 44.89           | 46.04       | -112.01               | 4.96                              | 228.23     | 458.24               | 372.41                | 85.84                   | 5.338             |                    |         |
| 8,000.00   | 7,070.04            | 8,182.51            | 7,241.74            | 46.69           | 47.88       | -112.27               | 10.02                             | 128.49     | 453.57               | 364.45                | 89.13                   | 5.089             |                    |         |
| 8,100.00   | 7,070.05            | 8,282.38            | 7,241.91            | 48.60           | 49.81       | -112.54               | 15.09                             | 28.75      | 448.92               | 356.33                | 92.59                   | 4.849             |                    |         |
| 8,200.00   | 7,070.05            | 8,382.25            | 7,242.08            | 50.59           | 51.83       | -112.81               | 20.15                             | -71.00     | 444.27               | 348.07                | 96.19                   | 4.619             |                    |         |
| 8,300.00   | 7,070.06            | 8,482.12            | 7,242.24            | 52.66           | 53.93       | -113.08               | 25.21                             | -170.74    | 439.63               | 339.70                | 99.92                   | 4.400             |                    |         |
| 8,400.00   | 7,070.07            | 8,581.99            | 7,242.41            | 54.81           | 56.10       | -113.37               | 30.28                             | -270.48    | 435.00               | 331.24                | 103.76                  | 4.192             |                    |         |
| 8,500.00   | 7,070.08            | 8,681.86            | 7,242.57            | 57.02           | 58.33       | -113.65               | 35.34                             | -370.22    | 430.38               | 322.69                | 107.69                  | 3.996             |                    |         |
| 8,600.00   | 7,070.09            | 8,781.73            | 7,242.74            | 59.28           | 60.61       | -113.95               | 40.40                             | -469.96    | 425.77               | 314.07                | 111.70                  | 3.812             |                    |         |
| 8,700.00   | 7,070.10            | 8,881.60            | 7,242.91            | 61.60           | 62.94       | -114.25               | 45.47                             | -569.70    | 421.18               | 305.40                | 115.78                  | 3.638             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00   | 7,070.11            | 8,981.47            | 7,243.07            | 63.95           | 65.31       | -114.56               | 50.53                             | -669.44    | 416.59               | 296.69                | 119.91                  | 3.474             |                    |         |
| 8,900.00   | 7,070.12            | 9,081.34            | 7,243.24            | 66.35           | 67.72       | -114.87               | 55.59                             | -769.18    | 412.02               | 287.94                | 124.08                  | 3.321             |                    |         |
| 9,000.00   | 7,070.13            | 9,181.20            | 7,243.41            | 68.79           | 70.17       | -115.20               | 60.66                             | -868.92    | 407.46               | 279.17                | 128.29                  | 3.176             |                    |         |
| 9,100.00   | 7,070.13            | 9,281.07            | 7,243.57            | 71.25           | 72.65       | -115.52               | 65.72                             | -968.66    | 402.92               | 270.39                | 132.52                  | 3.040             |                    |         |
| 9,200.00   | 7,070.14            | 9,380.94            | 7,243.74            | 73.74           | 75.15       | -115.86               | 70.79                             | -1,068.40  | 398.38               | 261.61                | 136.78                  | 2.913             |                    |         |
| 9,300.00   | 7,070.15            | 9,480.81            | 7,243.90            | 76.26           | 77.68       | -116.21               | 75.85                             | -1,168.15  | 393.86               | 252.82                | 141.04                  | 2.793             |                    |         |
| 9,400.00   | 7,070.16            | 9,580.68            | 7,244.07            | 78.80           | 80.24       | -116.56               | 80.91                             | -1,267.89  | 389.36               | 244.05                | 145.32                  | 2.679             |                    |         |
| 9,500.00   | 7,070.17            | 9,680.55            | 7,244.24            | 81.37           | 82.81       | -116.92               | 85.98                             | -1,367.63  | 384.87               | 235.28                | 149.59                  | 2.573             |                    |         |
| 9,600.00   | 7,070.18            | 9,780.42            | 7,244.40            | 83.95           | 85.40       | -117.29               | 91.04                             | -1,467.37  | 380.40               | 226.55                | 153.85                  | 2.472             |                    |         |
| 9,700.00   | 7,070.19            | 9,880.29            | 7,244.57            | 86.55           | 88.01       | -117.67               | 96.10                             | -1,567.11  | 375.94               | 217.83                | 158.11                  | 2.378             |                    |         |
| 9,800.00   | 7,070.20            | 9,980.16            | 7,244.74            | 89.17           | 90.64       | -118.05               | 101.17                            | -1,666.85  | 371.50               | 209.15                | 162.35                  | 2.288             |                    |         |
| 9,900.00   | 7,070.21            | 10,080.03           | 7,244.90            | 91.80           | 93.28       | -118.45               | 106.23                            | -1,766.59  | 367.08               | 200.51                | 166.57                  | 2.204             |                    |         |
| 10,000.00  | 7,070.21            | 10,179.90           | 7,245.07            | 94.44           | 95.93       | -118.85               | 111.29                            | -1,866.33  | 362.68               | 191.92                | 170.76                  | 2.124             |                    |         |
| 10,100.00  | 7,070.22            | 10,279.77           | 7,245.23            | 97.10           | 98.60       | -119.27               | 116.36                            | -1,966.07  | 358.29               | 183.37                | 174.92                  | 2.048             |                    |         |
| 10,200.00  | 7,070.23            | 10,379.64           | 7,245.40            | 99.77           | 101.27      | -119.70               | 121.42                            | -2,065.81  | 353.92               | 174.88                | 179.04                  | 1.977             |                    |         |
| 10,300.00  | 7,070.24            | 10,479.51           | 7,245.57            | 102.44          | 103.96      | -120.13               | 126.49                            | -2,165.56  | 349.58               | 166.45                | 183.13                  | 1.909             |                    |         |
| 10,400.00  | 7,070.25            | 10,579.38           | 7,245.73            | 105.13          | 106.65      | -120.58               | 131.55                            | -2,265.30  | 345.25               | 158.08                | 187.17                  | 1.845             |                    |         |
| 10,500.00  | 7,070.26            | 10,679.25           | 7,245.90            | 107.83          | 109.36      | -121.04               | 136.61                            | -2,365.04  | 340.94               | 149.79                | 191.16                  | 1.784             |                    |         |
| 10,600.00  | 7,070.27            | 10,779.12           | 7,246.07            | 110.53          | 112.07      | -121.51               | 141.68                            | -2,464.78  | 336.66               | 141.57                | 195.10                  | 1.726             |                    |         |
| 10,700.00  | 7,070.28            | 10,878.99           | 7,246.23            | 113.24          | 114.79      | -121.99               | 146.74                            | -2,564.52  | 332.40               | 133.43                | 198.97                  | 1.671             |                    |         |
| 10,800.00  | 7,070.28            | 10,978.86           | 7,246.40            | 115.96          | 117.52      | -122.49               | 151.80                            | -2,664.26  | 328.17               | 125.38                | 202.79                  | 1.618             |                    |         |
| 10,900.00  | 7,070.29            | 11,078.73           | 7,246.56            | 118.69          | 120.26      | -123.00               | 156.87                            | -2,764.00  | 323.96               | 117.43                | 206.53                  | 1.569             |                    |         |
| 11,000.00  | 7,070.30            | 11,178.60           | 7,246.73            | 121.42          | 123.00      | -123.52               | 161.93                            | -2,863.74  | 319.78               | 109.58                | 210.20                  | 1.521             |                    |         |
| 11,100.00  | 7,070.31            | 11,278.47           | 7,246.90            | 124.16          | 125.74      | -124.05               | 166.99                            | -2,963.48  | 315.62               | 101.83                | 213.79                  | 1.476 Level 3     |                    |         |
| 11,200.00  | 7,070.32            | 11,375.21           | 7,247.06            | 126.90          | 128.41      | -124.56               | 171.69                            | -3,063.11  | 311.68               | 94.41                 | 217.27                  | 1.435 Level 3     |                    |         |
| 11,300.00  | 7,070.33            | 11,466.99           | 7,247.22            | 129.65          | 130.93      | -124.81               | 173.75                            | -3,151.86  | 309.89               | 88.88                 | 221.01                  | 1.402 Level 3     |                    |         |
| 11,317.75  | 7,070.33            | 11,483.29           | 7,247.24            | 130.14          | 131.38      | -124.82               | 173.81                            | -3,168.17  | 309.85               | 88.12                 | 221.73                  | 1.397 Level 3     |                    |         |
| 11,400.00  | 7,070.34            | 11,558.81           | 7,247.38            | 132.40          | 133.45      | -124.74               | 172.88                            | -3,243.67  | 310.74               | 85.45                 | 225.29                  | 1.379 Level 3     |                    |         |
| 11,500.00  | 7,070.35            | 11,656.31           | 7,247.56            | 135.16          | 136.11      | -124.43               | 169.59                            | -3,341.12  | 313.59               | 83.11                 | 230.48                  | 1.361 Level 3     |                    |         |
| 11,600.00  | 7,070.36            | 11,756.24           | 7,247.74            | 137.92          | 138.85      | -124.10               | 166.09                            | -3,440.99  | 316.56               | 80.64                 | 235.91                  | 1.342 Level 3     |                    |         |
| 11,700.00  | 7,070.36            | 11,856.18           | 7,247.92            | 140.69          | 141.59      | -123.77               | 162.58                            | -3,540.87  | 319.53               | 78.17                 | 241.36                  | 1.324 Level 3     |                    |         |
| 11,800.00  | 7,070.37            | 11,956.12           | 7,248.10            | 143.46          | 144.33      | -123.46               | 159.08                            | -3,640.75  | 322.52               | 75.70                 | 246.83                  | 1.307 Level 3     |                    |         |
| 11,900.00  | 7,070.38            | 12,056.06           | 7,248.29            | 146.23          | 147.08      | -123.15               | 155.57                            | -3,740.63  | 325.52               | 73.21                 | 252.31                  | 1.290 Level 3     |                    |         |
| 12,000.00  | 7,070.39            | 12,156.00           | 7,248.47            | 149.01          | 149.83      | -122.84               | 152.07                            | -3,840.51  | 328.53               | 70.73                 | 257.80                  | 1.274 Level 3     |                    |         |
| 12,100.00  | 7,070.40            | 12,255.94           | 7,248.65            | 151.79          | 152.58      | -122.54               | 148.56                            | -3,940.38  | 331.55               | 68.24                 | 263.31                  | 1.259 Level 3     |                    |         |
| 12,200.00  | 7,070.41            | 12,355.88           | 7,248.83            | 154.57          | 155.34      | -122.24               | 145.06                            | -4,040.26  | 334.57               | 65.74                 | 268.83                  | 1.245 Level 2     |                    |         |
| 12,300.00  | 7,070.42            | 12,455.82           | 7,249.02            | 157.35          | 158.10      | -121.96               | 141.55                            | -4,140.14  | 337.61               | 63.24                 | 274.37                  | 1.231 Level 2     |                    |         |
| 12,400.00  | 7,070.43            | 12,555.76           | 7,249.20            | 160.14          | 160.86      | -121.67               | 138.05                            | -4,240.02  | 340.65               | 60.74                 | 279.91                  | 1.217 Level 2     |                    |         |
| 12,500.00  | 7,070.44            | 12,655.70           | 7,249.38            | 162.93          | 163.63      | -121.39               | 134.54                            | -4,339.90  | 343.71               | 58.24                 | 285.47                  | 1.204 Level 2     |                    |         |
| 12,600.00  | 7,070.44            | 12,755.64           | 7,249.56            | 165.72          | 166.40      | -121.12               | 131.04                            | -4,439.77  | 346.76               | 55.73                 | 291.03                  | 1.191 Level 2     |                    |         |
| 12,700.00  | 7,070.45            | 12,855.58           | 7,249.74            | 168.52          | 169.17      | -120.85               | 127.53                            | -4,539.65  | 349.83               | 53.22                 | 296.61                  | 1.179 Level 2     |                    |         |
| 12,800.00  | 7,070.46            | 12,955.52           | 7,249.93            | 171.32          | 171.94      | -120.58               | 124.03                            | -4,639.53  | 352.91               | 50.71                 | 302.20                  | 1.168 Level 2     |                    |         |
| 12,900.00  | 7,070.47            | 13,055.46           | 7,250.11            | 174.11          | 174.72      | -120.32               | 120.52                            | -4,739.41  | 355.99               | 48.20                 | 307.79                  | 1.157 Level 2     |                    |         |
| 13,000.00  | 7,070.48            | 13,155.40           | 7,250.29            | 176.92          | 177.50      | -120.07               | 117.02                            | -4,839.28  | 359.08               | 45.69                 | 313.39                  | 1.146 Level 2     |                    |         |
| 13,100.00  | 7,070.49            | 13,255.34           | 7,250.47            | 179.72          | 180.28      | -119.81               | 113.51                            | -4,939.16  | 362.18               | 43.17                 | 319.01                  | 1.135 Level 2     |                    |         |
| 13,200.00  | 7,070.50            | 13,355.28           | 7,250.66            | 182.52          | 183.06      | -119.57               | 110.01                            | -5,039.04  | 365.28               | 40.66                 | 324.63                  | 1.125 Level 2     |                    |         |
| 13,300.00  | 7,070.51            | 13,455.22           | 7,250.84            | 185.33          | 185.85      | -119.32               | 106.50                            | -5,138.92  | 368.39               | 38.14                 | 330.25                  | 1.115 Level 2     |                    |         |
| 13,400.00  | 7,070.52            | 13,555.16           | 7,251.02            | 188.14          | 188.63      | -119.09               | 103.00                            | -5,238.80  | 371.51               | 35.62                 | 335.88                  | 1.106 Level 2     |                    |         |
| 13,500.00  | 7,070.52            | 13,655.10           | 7,251.20            | 190.95          | 191.42      | -118.85               | 99.49                             | -5,338.67  | 374.63               | 33.11                 | 341.52                  | 1.097 Level 2     |                    |         |
| 13,600.00  | 7,070.53            | 13,755.03           | 7,251.39            | 193.76          | 194.21      | -118.62               | 95.99                             | -5,438.55  | 377.76               | 30.59                 | 347.17                  | 1.088 Level 2     |                    |         |
| 13,700.00  | 7,070.54            | 13,854.97           | 7,251.57            | 196.57          | 197.00      | -118.39               | 92.48                             | -5,538.43  | 380.90               | 28.07                 | 352.82                  | 1.080 Level 2     |                    |         |
| 13,800.00  | 7,070.55            | 13,954.91           | 7,251.75            | 199.38          | 199.79      | -118.17               | 88.98                             | -5,638.31  | 384.04               | 25.56                 | 358.48                  | 1.071 Level 2     |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                  | 7,070.56            | 14,054.85           | 7,251.93            | 202.20          | 202.59      | -117.95               | 85.47                             | -5,738.19  | 387.19               | 23.04                 | 364.14                  | 1.063             | Level 2            |         |
| 14,000.00                  | 7,070.57            | 14,154.79           | 7,252.11            | 205.01          | 205.38      | -117.73               | 81.97                             | -5,838.06  | 390.34               | 20.53                 | 369.81                  | 1.056             | Level 2            |         |
| 14,100.00                  | 7,070.58            | 14,254.73           | 7,252.30            | 207.83          | 208.18      | -117.52               | 78.46                             | -5,937.94  | 393.50               | 18.01                 | 375.49                  | 1.048             | Level 2            |         |
| 14,200.00                  | 7,070.59            | 14,354.67           | 7,252.48            | 210.65          | 210.98      | -117.31               | 74.96                             | -6,037.82  | 396.66               | 15.50                 | 381.16                  | 1.041             | Level 2            |         |
| 14,300.00                  | 7,070.60            | 14,454.61           | 7,252.66            | 213.47          | 213.78      | -117.10               | 71.45                             | -6,137.70  | 399.83               | 12.98                 | 386.85                  | 1.034             | Level 2            |         |
| 14,400.00                  | 7,070.60            | 14,554.55           | 7,252.84            | 216.29          | 216.58      | -116.90               | 67.95                             | -6,237.57  | 403.00               | 10.47                 | 392.53                  | 1.027             | Level 2            |         |
| 14,500.00                  | 7,070.61            | 14,654.49           | 7,253.03            | 219.11          | 219.38      | -116.70               | 64.44                             | -6,337.45  | 406.18               | 7.96                  | 398.22                  | 1.020             | Level 2            |         |
| 14,600.00                  | 7,070.62            | 14,754.43           | 7,253.21            | 221.94          | 222.19      | -116.50               | 60.94                             | -6,437.33  | 409.37               | 5.45                  | 403.92                  | 1.013             | Level 2            |         |
| 14,700.00                  | 7,070.63            | 14,854.37           | 7,253.39            | 224.76          | 224.99      | -116.31               | 57.43                             | -6,537.21  | 412.55               | 2.94                  | 409.62                  | 1.007             | Level 2            |         |
| 14,800.00                  | 7,070.64            | 14,954.31           | 7,253.57            | 227.58          | 227.80      | -116.12               | 53.93                             | -6,637.09  | 415.75               | 0.43                  | 415.32                  | 1.001             | Level 2            |         |
| 14,900.00                  | 7,070.65            | 15,054.25           | 7,253.76            | 230.41          | 230.60      | -115.93               | 50.42                             | -6,736.96  | 418.95               | -2.08                 | 421.02                  | 0.995             | Level 1            |         |
| 15,000.00                  | 7,070.66            | 15,154.19           | 7,253.94            | 233.24          | 233.41      | -115.75               | 46.92                             | -6,836.84  | 422.15               | -4.58                 | 426.73                  | 0.989             | Level 1            |         |
| 15,100.00                  | 7,070.67            | 15,254.13           | 7,254.12            | 236.06          | 236.22      | -115.56               | 43.41                             | -6,936.72  | 425.35               | -7.09                 | 432.44                  | 0.984             | Level 1            |         |
| 15,200.00                  | 7,070.68            | 15,354.07           | 7,254.30            | 238.89          | 239.03      | -115.38               | 39.91                             | -7,036.60  | 428.56               | -9.59                 | 438.15                  | 0.978             | Level 1            |         |
| 15,300.00                  | 7,070.68            | 15,454.01           | 7,254.48            | 241.72          | 241.84      | -115.21               | 36.40                             | -7,136.48  | 431.78               | -12.09                | 443.87                  | 0.973             | Level 1            |         |
| 15,400.00                  | 7,070.69            | 15,553.95           | 7,254.67            | 244.55          | 244.65      | -115.03               | 32.90                             | -7,236.35  | 435.00               | -14.59                | 449.59                  | 0.968             | Level 1            |         |
| 15,500.00                  | 7,070.70            | 15,653.89           | 7,254.85            | 247.38          | 247.46      | -114.86               | 29.39                             | -7,336.23  | 438.22               | -17.09                | 455.31                  | 0.962             | Level 1            |         |
| 15,600.00                  | 7,070.71            | 15,753.83           | 7,255.03            | 250.21          | 250.27      | -114.69               | 25.89                             | -7,436.11  | 441.45               | -19.59                | 461.03                  | 0.958             | Level 1            |         |
| 15,700.00                  | 7,070.72            | 15,853.76           | 7,255.21            | 253.04          | 253.09      | -114.53               | 22.38                             | -7,535.99  | 444.68               | -22.08                | 466.76                  | 0.953             | Level 1            |         |
| 15,800.00                  | 7,070.73            | 15,953.70           | 7,255.40            | 255.87          | 255.90      | -114.36               | 18.88                             | -7,635.86  | 447.91               | -24.58                | 472.49                  | 0.948             | Level 1            |         |
| 15,900.00                  | 7,070.74            | 16,053.64           | 7,255.58            | 258.71          | 258.71      | -114.20               | 15.37                             | -7,735.74  | 451.15               | -27.07                | 478.22                  | 0.943             | Level 1            |         |
| 16,000.00                  | 7,070.75            | 16,153.58           | 7,255.76            | 261.54          | 261.53      | -114.04               | 11.87                             | -7,835.62  | 454.39               | -29.56                | 483.95                  | 0.939             | Level 1            |         |
| 16,100.00                  | 7,070.76            | 16,253.52           | 7,255.94            | 264.37          | 264.35      | -113.88               | 8.36                              | -7,935.50  | 457.64               | -32.05                | 489.68                  | 0.935             | Level 1            |         |
| 16,200.00                  | 7,070.76            | 16,353.46           | 7,256.13            | 267.21          | 267.16      | -113.73               | 4.86                              | -8,035.38  | 460.88               | -34.53                | 495.42                  | 0.930             | Level 1            |         |
| 16,300.00                  | 7,070.77            | 16,453.40           | 7,256.31            | 270.04          | 269.98      | -113.58               | 1.35                              | -8,135.25  | 464.14               | -37.02                | 501.16                  | 0.926             | Level 1            |         |
| 16,400.00                  | 7,070.78            | 16,553.34           | 7,256.49            | 272.88          | 272.80      | -113.42               | -2.15                             | -8,235.13  | 467.39               | -39.50                | 506.89                  | 0.922             | Level 1            |         |
| 16,500.00                  | 7,070.79            | 16,653.28           | 7,256.67            | 275.71          | 275.61      | -113.28               | -5.66                             | -8,335.01  | 470.65               | -41.99                | 512.63                  | 0.918             | Level 1            |         |
| 16,600.00                  | 7,070.80            | 16,753.22           | 7,256.85            | 278.55          | 278.43      | -113.13               | -9.16                             | -8,434.89  | 473.91               | -44.47                | 518.38                  | 0.914             | Level 1            |         |
| 16,700.00                  | 7,070.81            | 16,853.16           | 7,257.04            | 281.39          | 281.25      | -112.98               | -12.67                            | -8,534.77  | 477.17               | -46.94                | 524.12                  | 0.910             | Level 1            |         |
| 16,800.00                  | 7,070.82            | 16,953.10           | 7,257.22            | 284.22          | 284.07      | -112.84               | -16.17                            | -8,634.64  | 480.44               | -49.42                | 529.86                  | 0.907             | Level 1            |         |
| 16,900.00                  | 7,070.83            | 17,053.04           | 7,257.40            | 287.06          | 286.89      | -112.70               | -19.68                            | -8,734.52  | 483.71               | -51.89                | 535.61                  | 0.903             | Level 1            |         |
| 17,000.00                  | 7,070.84            | 17,152.98           | 7,257.58            | 289.90          | 289.71      | -112.56               | -23.18                            | -8,834.40  | 486.98               | -54.37                | 541.35                  | 0.900             | Level 1            |         |
| 17,100.00                  | 7,070.84            | 17,252.92           | 7,257.77            | 292.74          | 292.54      | -112.43               | -26.69                            | -8,934.28  | 490.26               | -56.84                | 547.10                  | 0.896             | Level 1            |         |
| 17,200.00                  | 7,070.85            | 17,352.86           | 7,257.95            | 295.58          | 295.36      | -112.29               | -30.19                            | -9,034.15  | 493.54               | -59.31                | 552.85                  | 0.893             | Level 1            |         |
| 17,300.00                  | 7,070.86            | 17,452.80           | 7,258.13            | 298.42          | 298.18      | -112.16               | -33.70                            | -9,134.03  | 496.82               | -61.78                | 558.60                  | 0.889             | Level 1            |         |
| 17,400.00                  | 7,070.87            | 17,552.74           | 7,258.31            | 301.26          | 301.00      | -112.03               | -37.20                            | -9,233.91  | 500.10               | -64.24                | 564.35                  | 0.886             | Level 1            |         |
| 17,500.00                  | 7,070.88            | 17,652.68           | 7,258.50            | 304.10          | 303.83      | -111.90               | -40.71                            | -9,333.79  | 503.39               | -66.71                | 570.10                  | 0.883             | Level 1            |         |
| 17,600.00                  | 7,070.89            | 17,752.62           | 7,258.68            | 306.94          | 306.65      | -111.77               | -44.21                            | -9,433.67  | 506.68               | -69.17                | 575.85                  | 0.880             | Level 1            |         |
| 17,700.00                  | 7,070.90            | 17,852.55           | 7,258.86            | 309.78          | 309.47      | -111.64               | -47.72                            | -9,533.54  | 509.97               | -71.63                | 581.60                  | 0.877             | Level 1            |         |
| 17,800.00                  | 7,070.91            | 17,952.49           | 7,259.04            | 312.62          | 312.30      | -111.52               | -51.22                            | -9,633.42  | 513.27               | -74.09                | 587.35                  | 0.874             | Level 1            |         |
| 17,900.00                  | 7,070.92            | 18,052.43           | 7,259.22            | 315.46          | 315.12      | -111.39               | -54.73                            | -9,733.30  | 516.56               | -76.54                | 593.11                  | 0.871             | Level 1            |         |
| 18,000.00                  | 7,070.92            | 18,152.37           | 7,259.41            | 318.31          | 317.95      | -111.27               | -58.23                            | -9,833.18  | 519.86               | -79.00                | 598.86                  | 0.868             | Level 1            |         |
| 18,100.00                  | 7,070.93            | 18,252.31           | 7,259.59            | 321.15          | 320.77      | -111.15               | -61.74                            | -9,933.06  | 523.16               | -81.45                | 604.61                  | 0.865             | Level 1            |         |
| 18,200.00                  | 7,070.94            | 18,352.25           | 7,259.77            | 323.99          | 323.60      | -111.03               | -65.24                            | -10,032.93 | 526.47               | -83.90                | 610.37                  | 0.863             | Level 1            |         |
| 18,300.00                  | 7,070.95            | 18,452.19           | 7,259.95            | 326.83          | 326.43      | -110.91               | -68.75                            | -10,132.81 | 529.77               | -86.35                | 616.12                  | 0.860             | Level 1            |         |
| 18,400.00                  | 7,070.96            | 18,552.13           | 7,260.14            | 329.68          | 329.25      | -110.80               | -72.25                            | -10,232.69 | 533.08               | -88.80                | 621.88                  | 0.857             | Level 1            |         |
| 18,500.00                  | 7,070.97            | 18,652.07           | 7,260.32            | 332.52          | 332.08      | -110.68               | -75.76                            | -10,332.57 | 536.39               | -91.25                | 627.64                  | 0.855             | Level 1            |         |
| 18,600.00                  | 7,070.98            | 18,752.01           | 7,260.50            | 335.36          | 334.91      | -110.57               | -79.26                            | -10,432.44 | 539.70               | -93.69                | 633.39                  | 0.852             | Level 1            |         |
| 18,700.00                  | 7,070.99            | 18,851.95           | 7,260.68            | 338.21          | 337.74      | -110.46               | -82.77                            | -10,532.32 | 543.02               | -96.13                | 639.15                  | 0.850             | Level 1            |         |
| 18,800.00                  | 7,070.99            | 18,951.89           | 7,260.87            | 341.05          | 340.56      | -110.35               | -86.27                            | -10,632.20 | 546.33               | -98.58                | 644.91                  | 0.847             | Level 1            |         |
| 18,858.54                  | 7,071.00            | 19,010.39           | 7,260.97            | 342.72          | 342.22      | -110.28               | -88.32                            | -10,690.67 | 548.27               | -100.00               | 648.28                  | 0.846             | Level 1, ES, SF    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00  | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -178.93               | -14.94                            | -0.28      | 14.94                |                       |                         |                   |                    |         |
| 100.00  | 100.00              | 100.00              | 100.00              | 3.28            | 3.28        | -178.93               | -14.94                            | -0.28      | 14.94                | 8.37                  | 6.57                    | 2.274             |                    |         |
| 200.00  | 200.00              | 200.00              | 200.00              | 3.34            | 3.34        | -178.93               | -14.94                            | -0.28      | 14.94                | 8.27                  | 6.67                    | 2.238             |                    |         |
| 300.00  | 300.00              | 300.06              | 300.04              | 3.44            | 3.44        | 174.37                | -14.63                            | 1.44       | 14.70                | 7.82                  | 6.89                    | 2.135             |                    |         |
| 320.74  | 320.74              | 320.79              | 320.75              | 3.47            | 3.47        | 99.05                 | -14.49                            | 2.23       | 14.68                | 7.73                  | 6.94                    | 2.113 CC          |                    |         |
| 400.00  | 399.98              | 399.98              | 399.81              | 3.60            | 3.60        | 88.40                 | -13.73                            | 6.59       | 15.08                | 7.88                  | 7.20                    | 2.094             |                    |         |
| 500.00  | 499.84              | 499.77              | 499.22              | 3.80            | 3.81        | 76.69                 | -12.22                            | 15.15      | 16.66                | 9.05                  | 7.61                    | 2.190             |                    |         |
| 600.00  | 599.45              | 599.43              | 598.14              | 4.04            | 4.05        | 67.94                 | -10.11                            | 27.10      | 19.20                | 11.10                 | 8.11                    | 2.369             |                    |         |
| 700.00  | 698.70              | 698.96              | 696.44              | 4.32            | 4.34        | 61.98                 | -7.41                             | 42.41      | 22.47                | 13.79                 | 8.68                    | 2.589             |                    |         |
| 800.00  | 797.47              | 801.56              | 794.10              | 4.63            | 4.67        | 58.20                 | -4.13                             | 61.03      | 26.24                | 16.92                 | 9.32                    | 2.815             |                    |         |
| 900.00  | 895.62              | 901.61              | 891.97              | 4.97            | 5.02        | 59.12                 | -0.60                             | 81.00      | 29.06                | 19.07                 | 9.99                    | 2.909             |                    |         |
| 924.00  | 919.08              | 922.38              | 915.47              | 5.06            | 5.10        | 60.18                 | 0.24                              | 85.80      | 29.48                | 19.33                 | 10.14                   | 2.906             |                    |         |
| 1,000.00  | 993.28              | 998.35              | 989.85              | 5.34            | 5.39        | 63.91                 | 2.92                              | 100.98     | 30.72                | 20.02                 | 10.70                   | 2.871             |                    |         |
| 1,100.00  | 1,090.92            | 1,101.70            | 1,087.72            | 5.73            | 5.80        | 68.36                 | 6.44                              | 120.96     | 32.53                | 21.04                 | 11.49                   | 2.832             |                    |         |
| 1,200.00  | 1,188.56            | 1,201.75            | 1,185.60            | 6.15            | 6.22        | 72.32                 | 9.96                              | 140.94     | 34.52                | 22.21                 | 12.30                   | 2.806             |                    |         |
| 1,300.00  | 1,286.19            | 1,301.79            | 1,283.47            | 6.57            | 6.65        | 75.83                 | 13.49                             | 160.92     | 36.65                | 23.50                 | 13.15                   | 2.787             |                    |         |
| 1,400.00  | 1,383.83            | 1,401.84            | 1,381.34            | 7.01            | 7.08        | 78.95                 | 17.01                             | 180.90     | 38.91                | 24.88                 | 14.03                   | 2.774             |                    |         |
| 1,500.00  | 1,481.47            | 1,501.89            | 1,479.22            | 7.46            | 7.53        | 81.72                 | 20.53                             | 200.87     | 41.26                | 26.34                 | 14.92                   | 2.765             |                    |         |
| 1,600.00  | 1,579.10            | 1,601.93            | 1,577.09            | 7.91            | 7.98        | 84.18                 | 24.05                             | 220.85     | 43.71                | 27.87                 | 15.84                   | 2.760             |                    |         |
| 1,700.00  | 1,676.74            | 1,698.02            | 1,674.96            | 8.37            | 8.43        | 86.38                 | 27.58                             | 240.83     | 46.23                | 29.48                 | 16.75                   | 2.760             |                    |         |
| 1,800.00  | 1,774.38            | 1,802.03            | 1,772.83            | 8.84            | 8.91        | 88.35                 | 31.10                             | 260.81     | 48.80                | 31.10                 | 17.70                   | 2.757             |                    |         |
| 1,900.00  | 1,872.02            | 1,902.07            | 1,870.71            | 9.31            | 9.38        | 90.12                 | 34.62                             | 280.79     | 51.43                | 32.78                 | 18.65                   | 2.758             |                    |         |
| 2,000.00  | 1,969.65            | 2,002.12            | 1,968.58            | 9.79            | 9.85        | 91.72                 | 38.15                             | 300.76     | 54.11                | 34.50                 | 19.61                   | 2.760             |                    |         |
| 2,100.00  | 2,067.29            | 2,102.17            | 2,066.45            | 10.27           | 10.33       | 93.16                 | 41.67                             | 320.74     | 56.82                | 36.25                 | 20.57                   | 2.762             |                    |         |
| 2,200.00  | 2,164.93            | 2,202.21            | 2,164.33            | 10.75           | 10.81       | 94.48                 | 45.19                             | 340.72     | 59.56                | 38.03                 | 21.54                   | 2.766             |                    |         |
| 2,300.00  | 2,262.56            | 2,302.26            | 2,262.20            | 11.24           | 11.29       | 95.67                 | 48.71                             | 360.70     | 62.33                | 39.83                 | 22.51                   | 2.770             |                    |         |
| 2,400.00  | 2,360.20            | 2,402.31            | 2,360.07            | 11.73           | 11.77       | 96.77                 | 52.24                             | 380.68     | 65.13                | 41.65                 | 23.48                   | 2.774             |                    |         |
| 2,500.00  | 2,457.84            | 2,502.35            | 2,457.95            | 12.22           | 12.26       | 97.77                 | 55.76                             | 400.66     | 67.95                | 43.49                 | 24.46                   | 2.778             |                    |         |
| 2,600.00  | 2,555.48            | 2,602.40            | 2,555.82            | 12.71           | 12.74       | 98.70                 | 59.28                             | 420.63     | 70.79                | 45.35                 | 25.44                   | 2.782             |                    |         |
| 2,700.00  | 2,653.11            | 2,702.44            | 2,653.69            | 13.20           | 13.23       | 99.55                 | 62.80                             | 440.61     | 73.65                | 47.22                 | 26.43                   | 2.787             |                    |         |
| 2,800.00  | 2,750.75            | 2,802.49            | 2,751.57            | 13.70           | 13.72       | 100.34                | 66.33                             | 460.59     | 76.52                | 49.10                 | 27.41                   | 2.791             |                    |         |
| 2,900.00  | 2,848.39            | 2,902.54            | 2,849.44            | 14.19           | 14.21       | 101.07                | 69.85                             | 480.57     | 79.40                | 51.00                 | 28.40                   | 2.796             |                    |         |
| 3,000.00  | 2,946.02            | 3,002.58            | 2,947.31            | 14.69           | 14.70       | 101.75                | 73.37                             | 500.55     | 82.30                | 52.91                 | 29.39                   | 2.800             |                    |         |
| 3,100.00  | 3,043.66            | 3,102.63            | 3,045.19            | 15.19           | 15.19       | 102.38                | 76.89                             | 520.52     | 85.21                | 54.82                 | 30.38                   | 2.804             |                    |         |
| 3,200.00  | 3,141.30            | 3,202.68            | 3,143.06            | 15.69           | 15.69       | 102.97                | 80.42                             | 540.50     | 88.12                | 56.75                 | 31.38                   | 2.809             |                    |         |
| 3,300.00  | 3,238.94            | 3,302.72            | 3,240.93            | 16.19           | 16.18       | 103.53                | 83.94                             | 560.48     | 91.05                | 58.68                 | 32.37                   | 2.813             |                    |         |
| 3,400.00  | 3,336.57            | 3,402.77            | 3,338.81            | 16.69           | 16.68       | 104.05                | 87.46                             | 580.46     | 93.98                | 60.62                 | 33.37                   | 2.817             |                    |         |
| 3,500.00  | 3,434.21            | 3,502.82            | 3,436.68            | 17.19           | 17.17       | 104.53                | 90.99                             | 600.44     | 96.92                | 62.56                 | 34.36                   | 2.821             |                    |         |
| 3,600.00  | 3,531.85            | 3,602.86            | 3,534.55            | 17.69           | 17.67       | 104.99                | 94.51                             | 620.42     | 99.87                | 64.51                 | 35.36                   | 2.824             |                    |         |
| 3,700.00  | 3,629.48            | 3,702.91            | 3,632.42            | 18.20           | 18.16       | 105.43                | 98.03                             | 640.39     | 102.82               | 66.47                 | 36.36                   | 2.828             |                    |         |
| 3,800.00  | 3,727.12            | 3,802.96            | 3,730.30            | 18.70           | 18.66       | 105.83                | 101.55                            | 660.37     | 105.78               | 68.43                 | 37.36                   | 2.832             |                    |         |
| 3,900.00  | 3,824.76            | 3,903.00            | 3,828.17            | 19.21           | 19.16       | 106.22                | 105.08                            | 680.35     | 108.75               | 70.39                 | 38.36                   | 2.835             |                    |         |
| 4,000.00  | 3,922.40            | 4,003.05            | 3,926.04            | 19.71           | 19.66       | 106.59                | 108.60                            | 700.33     | 111.72               | 72.36                 | 39.36                   | 2.838             |                    |         |
| 4,100.00  | 4,020.03            | 4,103.10            | 4,023.92            | 20.21           | 20.16       | 106.93                | 112.12                            | 720.31     | 114.69               | 74.33                 | 40.36                   | 2.842             |                    |         |
| 4,200.00  | 4,117.67            | 4,203.14            | 4,121.79            | 20.72           | 20.66       | 107.26                | 115.64                            | 740.28     | 117.67               | 76.31                 | 41.36                   | 2.845             |                    |         |
| 4,300.00  | 4,215.31            | 4,303.19            | 4,219.66            | 21.23           | 21.15       | 107.58                | 119.17                            | 760.26     | 120.65               | 78.28                 | 42.36                   | 2.848             |                    |         |
| 4,400.00  | 4,312.94            | 4,403.24            | 4,317.54            | 21.73           | 21.65       | 107.87                | 122.69                            | 780.24     | 123.63               | 80.27                 | 43.36                   | 2.851             |                    |         |
| 4,500.00  | 4,410.58            | 4,503.28            | 4,415.41            | 22.24           | 22.15       | 108.16                | 126.21                            | 800.22     | 126.62               | 82.25                 | 44.37                   | 2.854             |                    |         |
| 4,600.00  | 4,508.22            | 4,603.33            | 4,513.28            | 22.75           | 22.65       | 108.43                | 129.74                            | 820.20     | 129.61               | 84.24                 | 45.37                   | 2.857             |                    |         |
| 4,700.00  | 4,605.86            | 4,703.38            | 4,611.16            | 23.25           | 23.15       | 108.69                | 133.26                            | 840.18     | 132.60               | 86.23                 | 46.38                   | 2.859             |                    |         |
| 4,800.00  | 4,703.49            | 4,803.42            | 4,709.03            | 23.76           | 23.65       | 108.93                | 136.78                            | 860.15     | 135.60               | 88.22                 | 47.38                   | 2.862             |                    |         |
| 4,900.00  | 4,801.13            | 4,903.47            | 4,806.90            | 24.27           | 24.16       | 109.17                | 140.30                            | 880.13     | 138.59               | 90.21                 | 48.38                   | 2.864             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design              |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                   | 4,898.77            | 5,003.52            | 4,904.78            | 24.77           | 24.66       | 109.40                | 143.83                            | 900.11     | 141.60               | 92.21                 | 49.39                   | 2.867             |                    |         |
| 5,100.00                   | 4,996.40            | 5,096.44            | 5,002.65            | 25.28           | 25.12       | 109.61                | 147.35                            | 920.09     | 144.60               | 94.24                 | 50.36                   | 2.871             |                    |         |
| 5,200.00                   | 5,094.04            | 5,203.61            | 5,100.52            | 25.79           | 25.66       | 109.82                | 150.87                            | 940.07     | 147.60               | 96.20                 | 51.40                   | 2.872             |                    |         |
| 5,300.00                   | 5,191.68            | 5,303.66            | 5,198.40            | 26.30           | 26.16       | 110.02                | 154.39                            | 960.04     | 150.61               | 98.20                 | 52.41                   | 2.874             |                    |         |
| 5,400.00                   | 5,289.32            | 5,403.70            | 5,296.27            | 26.81           | 26.66       | 110.21                | 157.92                            | 980.02     | 153.62               | 100.20                | 53.41                   | 2.876             |                    |         |
| 5,500.00                   | 5,386.95            | 5,503.75            | 5,394.14            | 27.32           | 27.16       | 110.40                | 161.44                            | 1,000.00   | 156.63               | 102.21                | 54.42                   | 2.878             |                    |         |
| 5,600.00                   | 5,484.59            | 5,603.79            | 5,492.01            | 27.83           | 27.67       | 110.58                | 164.96                            | 1,019.98   | 159.64               | 104.21                | 55.43                   | 2.880             |                    |         |
| 5,700.00                   | 5,582.23            | 5,703.84            | 5,589.89            | 28.33           | 28.17       | 110.75                | 168.48                            | 1,039.96   | 162.65               | 106.22                | 56.43                   | 2.882             |                    |         |
| 5,800.00                   | 5,679.87            | 5,803.89            | 5,687.76            | 28.84           | 28.67       | 110.91                | 172.01                            | 1,059.93   | 165.66               | 108.23                | 57.44                   | 2.884             |                    |         |
| 5,900.00                   | 5,777.50            | 5,903.93            | 5,785.63            | 29.35           | 29.17       | 111.07                | 175.53                            | 1,079.91   | 168.68               | 110.23                | 58.45                   | 2.886             |                    |         |
| 6,000.00                   | 5,875.14            | 6,003.98            | 5,883.51            | 29.86           | 29.68       | 111.22                | 179.05                            | 1,099.89   | 171.70               | 112.24                | 59.45                   | 2.888             |                    |         |
| 6,100.00                   | 5,972.78            | 6,104.03            | 5,981.38            | 30.37           | 30.18       | 111.37                | 182.58                            | 1,119.87   | 174.71               | 114.25                | 60.46                   | 2.890             |                    |         |
| 6,200.00                   | 6,070.41            | 6,204.07            | 6,079.25            | 30.88           | 30.68       | 111.52                | 186.10                            | 1,139.85   | 177.73               | 116.27                | 61.47                   | 2.891             |                    |         |
| 6,300.00                   | 6,168.05            | 6,304.12            | 6,177.13            | 31.39           | 31.18       | 111.65                | 189.62                            | 1,159.83   | 180.75               | 118.28                | 62.48                   | 2.893             |                    |         |
| 6,400.00                   | 6,265.69            | 6,404.17            | 6,275.00            | 31.90           | 31.69       | 111.79                | 193.14                            | 1,179.80   | 183.78               | 120.29                | 63.48                   | 2.895             |                    |         |
| 6,439.09                   | 6,303.85            | 6,434.90            | 6,313.25            | 32.10           | 31.84       | 111.84                | 194.52                            | 1,187.61   | 184.96               | 121.12                | 63.84                   | 2.897             |                    |         |
| 6,450.00                   | 6,314.53            | 6,445.81            | 6,323.94            | 32.16           | 31.90       | 113.33                | 194.91                            | 1,189.79   | 185.28               | 121.33                | 63.95                   | 2.897             |                    |         |
| 6,500.00                   | 6,363.83            | 6,495.65            | 6,372.74            | 32.39           | 32.15       | 124.07                | 196.66                            | 1,199.73   | 186.61               | 122.17                | 64.45                   | 2.896             |                    |         |
| 6,550.00                   | 6,413.58            | 6,545.04            | 6,421.51            | 32.60           | 32.38       | 155.52                | 198.47                            | 1,207.29   | 187.88               | 122.96                | 64.91                   | 2.894             |                    |         |
| 6,600.00                   | 6,463.45            | 6,594.75            | 6,471.02            | 32.79           | 32.59       | -144.78               | 200.38                            | 1,211.05   | 189.15               | 123.82                | 65.33                   | 2.895             |                    |         |
| 6,650.00                   | 6,513.15            | 6,644.78            | 6,521.01            | 32.97           | 32.78       | -118.40               | 202.39                            | 1,210.93   | 190.43               | 124.71                | 65.72                   | 2.898             |                    |         |
| 6,700.00                   | 6,562.37            | 6,695.15            | 6,571.15            | 33.15           | 32.96       | -109.51               | 204.49                            | 1,206.83   | 191.70               | 125.60                | 66.10                   | 2.900             |                    |         |
| 6,750.00                   | 6,610.80            | 6,745.85            | 6,621.13            | 33.34           | 33.14       | -105.78               | 206.67                            | 1,198.72   | 192.95               | 126.48                | 66.47                   | 2.903             |                    |         |
| 6,800.00                   | 6,658.14            | 6,796.88            | 6,670.63            | 33.53           | 33.33       | -104.07               | 208.91                            | 1,186.57   | 194.17               | 127.32                | 66.85                   | 2.905             |                    |         |
| 6,850.00                   | 6,704.11            | 6,848.26            | 6,719.32            | 33.74           | 33.54       | -103.32               | 211.20                            | 1,170.36   | 195.35               | 128.12                | 67.23                   | 2.906             |                    |         |
| 6,900.00                   | 6,748.42            | 6,899.96            | 6,766.83            | 33.97           | 33.76       | -103.08               | 213.53                            | 1,150.14   | 196.46               | 128.85                | 67.61                   | 2.906             |                    |         |
| 6,950.00                   | 6,790.79            | 6,951.99            | 6,812.83            | 34.21           | 33.99       | -103.15               | 215.87                            | 1,125.96   | 197.51               | 129.51                | 68.00                   | 2.904             |                    |         |
| 7,000.00                   | 6,830.97            | 7,004.34            | 6,856.96            | 34.48           | 34.25       | -103.40               | 218.23                            | 1,097.93   | 198.46               | 130.06                | 68.40                   | 2.901             |                    |         |
| 7,050.00                   | 6,868.71            | 7,057.00            | 6,898.87            | 34.77           | 34.54       | -103.76               | 220.57                            | 1,066.16   | 199.31               | 130.49                | 68.82                   | 2.896             |                    |         |
| 7,100.00                   | 6,903.77            | 7,109.95            | 6,938.22            | 35.09           | 34.86       | -104.18               | 222.88                            | 1,030.83   | 200.04               | 130.77                | 69.28                   | 2.888             |                    |         |
| 7,150.00                   | 6,935.93            | 7,163.17            | 6,974.68            | 35.44           | 35.21       | -104.63               | 225.14                            | 992.14     | 200.64               | 130.87                | 69.77                   | 2.876             |                    |         |
| 7,200.00                   | 6,965.01            | 7,216.65            | 7,007.93            | 35.83           | 35.60       | -105.09               | 227.34                            | 950.34     | 201.08               | 130.76                | 70.32                   | 2.860             |                    |         |
| 7,250.00                   | 6,990.82            | 7,270.36            | 7,037.67            | 36.26           | 36.04       | -105.53               | 229.45                            | 905.69     | 201.36               | 130.42                | 70.94                   | 2.838             |                    |         |
| 7,300.00                   | 7,013.20            | 7,324.27            | 7,063.64            | 36.72           | 36.52       | -105.96               | 231.47                            | 858.51     | 201.48               | 129.83                | 71.65                   | 2.812             |                    |         |
| 7,350.00                   | 7,032.02            | 7,378.35            | 7,085.59            | 37.23           | 37.05       | -106.36               | 233.37                            | 809.13     | 201.41               | 128.95                | 72.46                   | 2.780             |                    |         |
| 7,400.00                   | 7,047.15            | 7,432.58            | 7,103.31            | 37.77           | 37.62       | -106.71               | 235.14                            | 757.93     | 201.15               | 127.77                | 73.37                   | 2.741             |                    |         |
| 7,450.00                   | 7,058.51            | 7,486.92            | 7,116.64            | 38.34           | 38.24       | -107.03               | 236.76                            | 705.29     | 200.69               | 126.29                | 74.40                   | 2.698             |                    |         |
| 7,500.00                   | 7,066.02            | 7,541.33            | 7,125.43            | 38.95           | 38.89       | -107.29               | 238.22                            | 651.63     | 200.04               | 124.51                | 75.53                   | 2.648             |                    |         |
| 7,550.00                   | 7,069.64            | 7,595.79            | 7,129.62            | 39.58           | 39.57       | -107.50               | 239.50                            | 597.36     | 199.20               | 122.44                | 76.76                   | 2.595             |                    |         |
| 7,571.20                   | 7,070.00            | 7,618.88            | 7,130.00            | 39.85           | 39.86       | -107.57               | 239.99                            | 574.28     | 198.78               | 121.47                | 77.31                   | 2.571             |                    |         |
| 7,600.00                   | 7,070.00            | 7,647.48            | 7,130.06            | 40.23           | 40.25       | -107.64               | 240.59                            | 545.70     | 198.22               | 120.19                | 78.03                   | 2.540             |                    |         |
| 7,700.00                   | 7,070.01            | 7,747.45            | 7,130.25            | 41.64           | 41.67       | -107.88               | 242.65                            | 445.74     | 196.27               | 115.58                | 80.69                   | 2.432             |                    |         |
| 7,800.00                   | 7,070.02            | 7,847.43            | 7,130.45            | 43.20           | 43.23       | -108.12               | 244.72                            | 345.78     | 194.33               | 110.72                | 83.61                   | 2.324             |                    |         |
| 7,900.00                   | 7,070.03            | 7,947.41            | 7,130.64            | 44.89           | 44.92       | -108.37               | 246.79                            | 245.83     | 192.39               | 105.63                | 86.76                   | 2.218             |                    |         |
| 8,000.00                   | 7,070.04            | 8,047.39            | 7,130.83            | 46.69           | 46.72       | -108.62               | 248.86                            | 145.87     | 190.46               | 100.34                | 90.12                   | 2.113             |                    |         |
| 8,100.00                   | 7,070.05            | 8,147.36            | 7,131.03            | 48.60           | 48.63       | -108.88               | 250.92                            | 45.92      | 188.53               | 94.88                 | 93.65                   | 2.013             |                    |         |
| 8,200.00                   | 7,070.05            | 8,247.34            | 7,131.22            | 50.59           | 50.62       | -109.14               | 252.99                            | -54.04     | 186.60               | 89.26                 | 97.34                   | 1.917             |                    |         |
| 8,300.00                   | 7,070.06            | 8,347.32            | 7,131.42            | 52.66           | 52.70       | -109.41               | 255.06                            | -154.00    | 184.68               | 83.51                 | 101.17                  | 1.825             |                    |         |
| 8,400.00                   | 7,070.07            | 8,447.30            | 7,131.61            | 54.81           | 54.84       | -109.68               | 257.13                            | -253.95    | 182.76               | 77.65                 | 105.11                  | 1.739             |                    |         |
| 8,500.00                   | 7,070.08            | 8,547.27            | 7,131.80            | 57.02           | 57.05       | -109.96               | 259.20                            | -353.91    | 180.84               | 71.69                 | 109.16                  | 1.657             |                    |         |
| 8,600.00                   | 7,070.09            | 8,647.25            | 7,132.00            | 59.28           | 59.32       | -110.25               | 261.26                            | -453.87    | 178.93               | 65.65                 | 113.29                  | 1.579             |                    |         |
| 8,700.00                   | 7,070.10            | 8,747.23            | 7,132.19            | 61.60           | 61.64       | -110.54               | 263.33                            | -553.82    | 177.03               | 59.54                 | 117.49                  | 1.507             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00  | 7,070.11            | 8,847.21            | 7,132.38            | 63.95           | 64.00       | -110.83               | 265.40                            | -653.78    | 175.13               | 53.37                 | 121.76                  | 1.438             | Level 3            |         |
| 8,900.00  | 7,070.12            | 8,947.19            | 7,132.58            | 66.35           | 66.40       | -111.14               | 267.47                            | -753.73    | 173.23               | 47.15                 | 126.08                  | 1.374             | Level 3            |         |
| 9,000.00  | 7,070.13            | 9,047.16            | 7,132.77            | 68.79           | 68.83       | -111.45               | 269.53                            | -853.69    | 171.34               | 40.90                 | 130.44                  | 1.314             | Level 3            |         |
| 9,100.00  | 7,070.13            | 9,147.14            | 7,132.97            | 71.25           | 71.30       | -111.77               | 271.60                            | -953.65    | 169.45               | 34.62                 | 134.83                  | 1.257             | Level 3            |         |
| 9,200.00  | 7,070.14            | 9,247.12            | 7,133.16            | 73.74           | 73.80       | -112.09               | 273.67                            | -1,053.60  | 167.57               | 28.32                 | 139.25                  | 1.203             | Level 2            |         |
| 9,300.00  | 7,070.15            | 9,347.10            | 7,133.35            | 76.26           | 76.32       | -112.43               | 275.74                            | -1,153.56  | 165.70               | 22.00                 | 143.69                  | 1.153             | Level 2            |         |
| 9,400.00  | 7,070.16            | 9,447.07            | 7,133.55            | 78.80           | 78.87       | -112.77               | 277.81                            | -1,253.51  | 163.83               | 15.68                 | 148.14                  | 1.106             | Level 2            |         |
| 9,500.00  | 7,070.17            | 9,547.05            | 7,133.74            | 81.37           | 81.43       | -113.11               | 279.87                            | -1,353.47  | 161.96               | 9.36                  | 152.61                  | 1.061             | Level 2            |         |
| 9,600.00  | 7,070.18            | 9,647.03            | 7,133.93            | 83.95           | 84.02       | -113.47               | 281.94                            | -1,453.43  | 160.10               | 3.04                  | 157.07                  | 1.019             | Level 2            |         |
| 9,700.00  | 7,070.19            | 9,747.01            | 7,134.13            | 86.55           | 86.63       | -113.84               | 284.01                            | -1,553.38  | 158.25               | -3.27                 | 161.53                  | 0.980             | Level 1            |         |
| 9,800.00  | 7,070.20            | 9,846.99            | 7,134.32            | 89.17           | 89.25       | -114.21               | 286.08                            | -1,653.34  | 156.41               | -9.57                 | 165.98                  | 0.942             | Level 1            |         |
| 9,900.00  | 7,070.21            | 9,946.96            | 7,134.52            | 91.80           | 91.88       | -114.59               | 288.15                            | -1,753.30  | 154.57               | -15.84                | 170.41                  | 0.907             | Level 1            |         |
| 10,000.00   | 7,070.21            | 10,046.94           | 7,134.71            | 94.44           | 94.53       | -114.98               | 290.21                            | -1,853.25  | 152.74               | -22.09                | 174.83                  | 0.874             | Level 1            |         |
| 10,100.00   | 7,070.22            | 10,146.92           | 7,134.90            | 97.10           | 97.19       | -115.38               | 292.28                            | -1,953.21  | 150.92               | -28.31                | 179.23                  | 0.842             | Level 1            |         |
| 10,200.00   | 7,070.23            | 10,246.90           | 7,135.10            | 99.77           | 99.86       | -115.79               | 294.35                            | -2,053.16  | 149.10               | -34.50                | 183.60                  | 0.812             | Level 1            |         |
| 10,300.00   | 7,070.24            | 10,346.87           | 7,135.29            | 102.44          | 102.54      | -116.21               | 296.42                            | -2,153.12  | 147.29               | -40.64                | 187.93                  | 0.784             | Level 1            |         |
| 10,400.00   | 7,070.25            | 10,446.85           | 7,135.49            | 105.13          | 105.24      | -116.64               | 298.48                            | -2,253.08  | 145.49               | -46.75                | 192.24                  | 0.757             | Level 1            |         |
| 10,500.00   | 7,070.26            | 10,546.83           | 7,135.68            | 107.83          | 107.94      | -117.09               | 300.55                            | -2,353.03  | 143.70               | -52.80                | 196.50                  | 0.731             | Level 1            |         |
| 10,600.00   | 7,070.27            | 10,646.81           | 7,135.87            | 110.53          | 110.65      | -117.54               | 302.62                            | -2,452.99  | 141.92               | -58.80                | 200.72                  | 0.707             | Level 1            |         |
| 10,700.00   | 7,070.28            | 10,746.79           | 7,136.07            | 113.24          | 113.36      | -118.00               | 304.69                            | -2,552.94  | 140.14               | -64.74                | 204.89                  | 0.684             | Level 1            |         |
| 10,800.00   | 7,070.28            | 10,846.76           | 7,136.26            | 115.96          | 116.09      | -118.48               | 306.76                            | -2,652.90  | 138.38               | -70.62                | 209.00                  | 0.662             | Level 1            |         |
| 10,900.00   | 7,070.29            | 10,946.74           | 7,136.45            | 118.69          | 118.82      | -118.97               | 308.82                            | -2,752.86  | 136.62               | -76.43                | 213.06                  | 0.641             | Level 1            |         |
| 11,000.00   | 7,070.30            | 11,046.72           | 7,136.65            | 121.42          | 121.56      | -119.47               | 310.89                            | -2,852.81  | 134.88               | -82.17                | 217.05                  | 0.621             | Level 1            |         |
| 11,100.00   | 7,070.31            | 11,146.70           | 7,136.84            | 124.16          | 124.30      | -119.98               | 312.96                            | -2,952.77  | 133.15               | -87.83                | 220.98                  | 0.603             | Level 1            |         |
| 11,200.00   | 7,070.32            | 11,246.67           | 7,137.04            | 126.90          | 127.05      | -120.51               | 315.03                            | -3,052.73  | 131.42               | -93.41                | 224.83                  | 0.585             | Level 1            |         |
| 11,300.00   | 7,070.33            | 11,346.65           | 7,137.23            | 129.65          | 129.80      | -121.05               | 317.10                            | -3,152.68  | 129.71               | -98.89                | 228.60                  | 0.567             | Level 1            |         |
| 11,400.00   | 7,070.34            | 11,446.63           | 7,137.42            | 132.40          | 132.56      | -121.61               | 319.16                            | -3,252.64  | 128.01               | -104.28               | 232.29                  | 0.551             | Level 1            |         |
| 11,500.00   | 7,070.35            | 11,546.61           | 7,137.62            | 135.16          | 135.32      | -122.18               | 321.23                            | -3,352.59  | 126.33               | -109.57               | 235.89                  | 0.536             | Level 1            |         |
| 11,600.00   | 7,070.36            | 11,646.58           | 7,137.81            | 137.92          | 138.09      | -122.77               | 323.30                            | -3,452.55  | 124.65               | -114.74               | 239.40                  | 0.521             | Level 1            |         |
| 11,700.00   | 7,070.36            | 11,746.56           | 7,138.01            | 140.69          | 140.86      | -123.37               | 325.37                            | -3,552.51  | 122.99               | -119.81               | 242.80                  | 0.507             | Level 1            |         |
| 11,800.00   | 7,070.37            | 11,846.54           | 7,138.20            | 143.46          | 143.63      | -123.99               | 327.43                            | -3,652.46  | 121.34               | -124.74               | 246.09                  | 0.493             | Level 1            |         |
| 11,900.00   | 7,070.38            | 11,946.52           | 7,138.39            | 146.23          | 146.41      | -124.62               | 329.50                            | -3,752.42  | 119.71               | -129.55               | 249.27                  | 0.480             | Level 1            |         |
| 12,000.00   | 7,070.39            | 12,046.50           | 7,138.59            | 149.01          | 149.19      | -125.28               | 331.57                            | -3,852.38  | 118.10               | -134.22               | 252.32                  | 0.468             | Level 1            |         |
| 12,100.00   | 7,070.40            | 12,146.47           | 7,138.78            | 151.79          | 151.98      | -125.95               | 333.64                            | -3,952.33  | 116.49               | -138.75               | 255.24                  | 0.456             | Level 1            |         |
| 12,200.00   | 7,070.41            | 12,246.45           | 7,138.97            | 154.57          | 154.76      | -126.64               | 335.71                            | -4,052.29  | 114.91               | -143.12               | 258.02                  | 0.445             | Level 1            |         |
| 12,300.00   | 7,070.42            | 12,346.43           | 7,139.17            | 157.35          | 157.55      | -127.35               | 337.77                            | -4,152.24  | 113.34               | -147.32               | 260.66                  | 0.435             | Level 1            |         |
| 12,400.00   | 7,070.43            | 12,446.41           | 7,139.36            | 160.14          | 160.35      | -128.08               | 339.84                            | -4,252.20  | 111.79               | -151.35               | 263.15                  | 0.425             | Level 1            |         |
| 12,500.00   | 7,070.44            | 12,546.38           | 7,139.56            | 162.93          | 163.14      | -128.83               | 341.91                            | -4,352.16  | 110.26               | -155.20               | 265.46                  | 0.415             | Level 1            |         |
| 12,600.00   | 7,070.44            | 12,646.36           | 7,139.75            | 165.72          | 165.94      | -129.60               | 343.98                            | -4,452.11  | 108.75               | -158.86               | 267.61                  | 0.406             | Level 1            |         |
| 12,700.00   | 7,070.45            | 12,746.34           | 7,139.94            | 168.52          | 168.74      | -130.39               | 346.05                            | -4,552.07  | 107.26               | -162.32               | 269.57                  | 0.398             | Level 1            |         |
| 12,800.00   | 7,070.46            | 12,846.32           | 7,140.14            | 171.32          | 171.54      | -131.20               | 348.11                            | -4,652.02  | 105.79               | -165.56               | 271.35                  | 0.390             | Level 1            |         |
| 12,900.00   | 7,070.47            | 12,946.30           | 7,140.33            | 174.11          | 174.35      | -132.04               | 350.18                            | -4,751.98  | 104.34               | -168.58               | 272.92                  | 0.382             | Level 1            |         |
| 13,000.00   | 7,070.48            | 13,046.27           | 7,140.53            | 176.92          | 177.15      | -132.90               | 352.25                            | -4,851.94  | 102.91               | -171.36               | 274.27                  | 0.375             | Level 1            |         |
| 13,100.00   | 7,070.49            | 13,146.25           | 7,140.72            | 179.72          | 179.96      | -133.78               | 354.32                            | -4,951.89  | 101.51               | -173.90               | 275.41                  | 0.369             | Level 1            |         |
| 13,200.00   | 7,070.50            | 13,246.23           | 7,140.91            | 182.52          | 182.77      | -134.69               | 356.38                            | -5,051.85  | 100.13               | -176.18               | 276.31                  | 0.362             | Level 1            |         |
| 13,300.00   | 7,070.51            | 13,346.21           | 7,141.11            | 185.33          | 185.58      | -135.62               | 358.45                            | -5,151.81  | 98.78                | -178.19               | 276.97                  | 0.357             | Level 1            |         |
| 13,400.00   | 7,070.52            | 13,446.18           | 7,141.30            | 188.14          | 188.40      | -136.58               | 360.52                            | -5,251.76  | 97.46                | -179.91               | 277.37                  | 0.351             | Level 1            |         |
| 13,500.00   | 7,070.52            | 13,546.16           | 7,141.49            | 190.95          | 191.21      | -137.57               | 362.59                            | -5,351.72  | 96.16                | -181.35               | 277.51                  | 0.347             | Level 1            |         |
| 13,600.00   | 7,070.53            | 13,646.14           | 7,141.69            | 193.76          | 194.03      | -138.58               | 364.66                            | -5,451.67  | 94.89                | -182.48               | 277.37                  | 0.342             | Level 1            |         |
| 13,700.00   | 7,070.54            | 13,746.12           | 7,141.88            | 196.57          | 196.84      | -139.62               | 366.72                            | -5,551.63  | 93.66                | -183.29               | 276.95                  | 0.338             | Level 1            |         |
| 13,800.00   | 7,070.55            | 13,846.09           | 7,142.08            | 199.38          | 199.66      | -140.69               | 368.79                            | -5,651.59  | 92.45                | -183.77               | 276.23                  | 0.335             | Level 1            |         |
| 13,900.00   | 7,070.56            | 13,946.07           | 7,142.27            | 202.20          | 202.48      | -141.78               | 370.86                            | -5,751.54  | 91.28                | -183.92               | 275.20                  | 0.332             | Level 1            |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00   | 7,070.57            | 14,046.05           | 7,142.46            | 205.01          | 205.31      | -142.90               | 372.93                            | -5,851.50  | 90.14                | -183.73               | 273.87                  | 0.329             | Level 1            |         |
| 14,100.00   | 7,070.58            | 14,146.03           | 7,142.66            | 207.83          | 208.13      | -144.05               | 374.99                            | -5,951.45  | 89.04                | -183.18               | 272.22                  | 0.327             | Level 1            |         |
| 14,200.00   | 7,070.59            | 14,246.01           | 7,142.85            | 210.65          | 210.95      | -145.23               | 377.06                            | -6,051.41  | 87.97                | -182.27               | 270.24                  | 0.326             | Level 1            |         |
| 14,300.00   | 7,070.60            | 14,345.98           | 7,143.05            | 213.47          | 213.78      | -146.44               | 379.13                            | -6,151.37  | 86.95                | -180.99               | 267.94                  | 0.324             | Level 1            |         |
| 14,400.00   | 7,070.60            | 14,445.96           | 7,143.24            | 216.29          | 216.60      | -147.68               | 381.20                            | -6,251.32  | 85.96                | -179.35               | 265.31                  | 0.324             | Level 1            |         |
| 14,500.00   | 7,070.61            | 14,545.94           | 7,143.43            | 219.11          | 219.43      | -148.94               | 383.27                            | -6,351.28  | 85.01                | -177.35               | 262.36                  | 0.324             | Level 1            |         |
| 14,600.00   | 7,070.62            | 14,645.92           | 7,143.63            | 221.94          | 222.26      | -150.23               | 385.33                            | -6,451.24  | 84.11                | -174.98               | 259.08                  | 0.325             | Level 1            |         |
| 14,700.00   | 7,070.63            | 14,745.89           | 7,143.82            | 224.76          | 225.09      | -151.55               | 387.40                            | -6,551.19  | 83.25                | -172.25               | 255.50                  | 0.326             | Level 1            |         |
| 14,800.00   | 7,070.64            | 14,845.77           | 7,144.01            | 227.58          | 227.91      | -152.89               | 389.46                            | -6,651.05  | 82.43                | -169.20               | 251.63                  | 0.328             | Level 1            |         |
| 14,842.78   | 7,070.64            | 14,888.01           | 7,144.10            | 228.79          | 229.11      | -153.20               | 389.91                            | -6,693.28  | 82.29                | -168.91               | 251.20                  | 0.328             | Level 1            |         |
| 14,900.00   | 7,070.65            | 14,944.49           | 7,144.21            | 230.41          | 230.70      | -153.02               | 389.54                            | -6,749.76  | 82.55                | -171.24               | 253.78                  | 0.325             | Level 1            |         |
| 15,000.00   | 7,070.66            | 15,043.31           | 7,144.40            | 233.24          | 233.48      | -151.11               | 386.26                            | -6,848.52  | 84.25                | -182.62               | 266.87                  | 0.316             | Level 1            |         |
| 15,100.00   | 7,070.67            | 15,143.20           | 7,144.60            | 236.06          | 236.28      | -148.56               | 381.72                            | -6,948.31  | 86.68                | -197.29               | 283.97                  | 0.305             | Level 1            |         |
| 15,200.00   | 7,070.68            | 15,243.10           | 7,144.79            | 238.89          | 239.08      | -146.15               | 377.18                            | -7,048.11  | 89.28                | -211.26               | 300.54                  | 0.297             | Level 1            |         |
| 15,300.00   | 7,070.68            | 15,343.00           | 7,144.99            | 241.72          | 241.88      | -143.89               | 372.64                            | -7,147.90  | 92.02                | -224.49               | 316.51                  | 0.291             | Level 1            |         |
| 15,400.00   | 7,070.69            | 15,442.90           | 7,145.19            | 244.55          | 244.69      | -141.75               | 368.10                            | -7,247.70  | 94.90                | -236.96               | 331.86                  | 0.286             | Level 1            |         |
| 15,500.00   | 7,070.70            | 15,542.80           | 7,145.38            | 247.38          | 247.49      | -139.75               | 363.56                            | -7,347.49  | 97.90                | -248.68               | 346.57                  | 0.282             | Level 1            |         |
| 15,600.00   | 7,070.71            | 15,642.69           | 7,145.58            | 250.21          | 250.30      | -137.87               | 359.02                            | -7,447.28  | 101.01               | -259.65               | 360.66                  | 0.280             | Level 1            |         |
| 15,700.00   | 7,070.72            | 15,742.59           | 7,145.78            | 253.04          | 253.10      | -136.10               | 354.48                            | -7,547.08  | 104.23               | -269.93               | 374.16                  | 0.279             | Level 1            |         |
| 15,800.00   | 7,070.73            | 15,842.49           | 7,145.97            | 255.87          | 255.91      | -134.43               | 349.94                            | -7,646.87  | 107.54               | -279.54               | 387.08                  | 0.278             | Level 1            |         |
| 15,900.00   | 7,070.74            | 15,942.39           | 7,146.17            | 258.71          | 258.72      | -132.87               | 345.41                            | -7,746.67  | 110.93               | -288.53               | 399.46                  | 0.278             | Level 1, SF        |         |
| 16,000.00   | 7,070.75            | 16,042.29           | 7,146.37            | 261.54          | 261.52      | -131.41               | 340.87                            | -7,846.46  | 114.41               | -296.94               | 411.35                  | 0.278             | Level 1            |         |
| 16,100.00   | 7,070.76            | 16,142.18           | 7,146.56            | 264.37          | 264.33      | -130.03               | 336.33                            | -7,946.26  | 117.95               | -304.82               | 422.77                  | 0.279             | Level 1            |         |
| 16,200.00   | 7,070.76            | 16,242.08           | 7,146.76            | 267.21          | 267.14      | -128.73               | 331.79                            | -8,046.05  | 121.56               | -312.21               | 433.76                  | 0.280             | Level 1            |         |
| 16,300.00   | 7,070.77            | 16,341.98           | 7,146.96            | 270.04          | 269.95      | -127.50               | 327.25                            | -8,145.85  | 125.22               | -319.14               | 444.37                  | 0.282             | Level 1            |         |
| 16,400.00   | 7,070.78            | 16,441.88           | 7,147.15            | 272.88          | 272.76      | -126.35               | 322.71                            | -8,245.64  | 128.94               | -325.66               | 454.60                  | 0.284             | Level 1            |         |
| 16,500.00   | 7,070.79            | 16,541.78           | 7,147.35            | 275.71          | 275.57      | -125.26               | 318.17                            | -8,345.44  | 132.71               | -331.80               | 464.51                  | 0.286             | Level 1            |         |
| 16,600.00   | 7,070.80            | 16,641.67           | 7,147.55            | 278.55          | 278.39      | -124.23               | 313.63                            | -8,445.23  | 136.53               | -337.59               | 474.11                  | 0.288             | Level 1            |         |
| 16,700.00   | 7,070.81            | 16,741.57           | 7,147.74            | 281.39          | 281.20      | -123.26               | 309.09                            | -8,545.03  | 140.38               | -343.05               | 483.44                  | 0.290             | Level 1            |         |
| 16,800.00   | 7,070.82            | 16,841.47           | 7,147.94            | 284.22          | 284.01      | -122.34               | 304.55                            | -8,644.82  | 144.28               | -348.23               | 492.50                  | 0.293             | Level 1            |         |
| 16,900.00   | 7,070.83            | 16,941.37           | 7,148.13            | 287.06          | 286.83      | -121.47               | 300.01                            | -8,744.61  | 148.21               | -353.13               | 501.34                  | 0.296             | Level 1            |         |
| 17,000.00   | 7,070.84            | 17,041.27           | 7,148.33            | 289.90          | 289.64      | -120.64               | 295.47                            | -8,844.41  | 152.17               | -357.79               | 509.96                  | 0.298             | Level 1            |         |
| 17,100.00   | 7,070.84            | 17,141.16           | 7,148.53            | 292.74          | 292.45      | -119.86               | 290.93                            | -8,944.20  | 156.16               | -362.22               | 518.38                  | 0.301             | Level 1            |         |
| 17,200.00   | 7,070.85            | 17,241.06           | 7,148.72            | 295.58          | 295.27      | -119.11               | 286.39                            | -9,044.00  | 160.18               | -366.45               | 526.63                  | 0.304             | Level 1            |         |
| 17,300.00   | 7,070.86            | 17,340.96           | 7,148.92            | 298.42          | 298.09      | -118.41               | 281.85                            | -9,143.79  | 164.23               | -370.48               | 534.71                  | 0.307             | Level 1            |         |
| 17,400.00   | 7,070.87            | 17,440.86           | 7,149.12            | 301.26          | 300.90      | -117.73               | 277.31                            | -9,243.59  | 168.30               | -374.33               | 542.63                  | 0.310             | Level 1            |         |
| 17,500.00   | 7,070.88            | 17,540.76           | 7,149.31            | 304.10          | 303.72      | -117.09               | 272.77                            | -9,343.38  | 172.39               | -378.03               | 550.42                  | 0.313             | Level 1            |         |
| 17,600.00   | 7,070.89            | 17,640.65           | 7,149.51            | 306.94          | 306.54      | -116.48               | 268.23                            | -9,443.18  | 176.50               | -381.57               | 558.07                  | 0.316             | Level 1            |         |
| 17,700.00   | 7,070.90            | 17,740.55           | 7,149.71            | 309.78          | 309.35      | -115.89               | 263.69                            | -9,542.97  | 180.63               | -384.98               | 565.61                  | 0.319             | Level 1            |         |
| 17,800.00   | 7,070.91            | 17,840.45           | 7,149.90            | 312.62          | 312.17      | -115.33               | 259.15                            | -9,642.77  | 184.78               | -388.26               | 573.04                  | 0.322             | Level 1            |         |
| 17,900.00   | 7,070.92            | 17,940.35           | 7,150.10            | 315.46          | 314.99      | -114.80               | 254.61                            | -9,742.56  | 188.95               | -391.42               | 580.37                  | 0.326             | Level 1            |         |
| 18,000.00   | 7,070.92            | 18,040.25           | 7,150.30            | 318.31          | 317.81      | -114.29               | 250.07                            | -9,842.36  | 193.13               | -394.47               | 587.60                  | 0.329             | Level 1            |         |
| 18,100.00   | 7,070.93            | 18,140.14           | 7,150.49            | 321.15          | 320.63      | -113.80               | 245.53                            | -9,942.15  | 197.33               | -397.42               | 594.75                  | 0.332             | Level 1            |         |
| 18,200.00   | 7,070.94            | 18,240.04           | 7,150.69            | 323.99          | 323.45      | -113.33               | 240.99                            | -10,041.95 | 201.54               | -400.28               | 601.81                  | 0.335             | Level 1            |         |
| 18,300.00   | 7,070.95            | 18,339.94           | 7,150.89            | 326.83          | 326.27      | -112.88               | 236.45                            | -10,141.74 | 205.76               | -403.04               | 608.80                  | 0.338             | Level 1            |         |
| 18,400.00   | 7,070.96            | 18,439.84           | 7,151.08            | 329.68          | 329.09      | -112.45               | 231.91                            | -10,241.53 | 209.99               | -405.73               | 615.72                  | 0.341             | Level 1            |         |
| 18,500.00   | 7,070.97            | 18,539.74           | 7,151.28            | 332.52          | 331.91      | -112.04               | 227.37                            | -10,341.33 | 214.24               | -408.34               | 622.58                  | 0.344             | Level 1            |         |
| 18,600.00   | 7,070.98            | 18,639.63           | 7,151.48            | 335.36          | 334.73      | -111.64               | 222.83                            | -10,441.12 | 218.50               | -410.88               | 629.38                  | 0.347             | Level 1            |         |
| 18,700.00   | 7,070.99            | 18,739.53           | 7,151.67            | 338.21          | 337.55      | -111.26               | 218.29                            | -10,540.92 | 222.77               | -413.35               | 636.12                  | 0.350             | Level 1            |         |
| 18,800.00   | 7,070.99            | 18,839.43           | 7,151.87            | 341.05          | 340.37      | -110.89               | 213.75                            | -10,640.71 | 227.04               | -415.76               | 642.80                  | 0.353             | Level 1            |         |
| 18,858.54   | 7,071.00            | 18,897.91           | 7,151.98            | 342.72          | 342.02      | -110.68               | 211.10                            | -10,699.13 | 229.55               | -417.15               | 646.70                  | 0.355             | Level 1, ES        |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 4.00                | -4.00               | 3.28            | 3.28        | -49.96                | 1,427.04                          | -1,698.24  | 2,218.21             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 104.00              | 96.00               | 3.28            | 3.78        | -49.96                | 1,427.04                          | -1,698.24  | 2,218.21             | 2,211.15              | 7.07                    | 313.846           |                    |         |
| 200.00                                  | 200.00              | 204.00              | 196.00              | 3.34            | 6.30        | -49.96                | 1,427.04                          | -1,698.24  | 2,218.21             | 2,208.58              | 9.63                    | 230.230           |                    |         |
| 300.00                                  | 300.00              | 304.00              | 296.00              | 3.44            | 9.45        | -49.96                | 1,427.04                          | -1,698.24  | 2,218.21             | 2,205.31              | 12.90                   | 171.964           |                    |         |
| 400.00                                  | 399.98              | 404.02              | 395.98              | 3.60            | 12.79       | -122.48               | 1,427.04                          | -1,698.24  | 2,219.15             | 2,202.76              | 16.39                   | 135.418           |                    |         |
| 500.00                                  | 499.84              | 504.16              | 495.84              | 3.80            | 16.19       | -122.55               | 1,427.04                          | -1,698.24  | 2,221.97             | 2,201.98              | 19.99                   | 111.153           |                    |         |
| 600.00                                  | 599.45              | 604.55              | 595.45              | 4.04            | 19.64       | -122.66               | 1,427.04                          | -1,698.24  | 2,226.68             | 2,203.00              | 23.67                   | 94.057            |                    |         |
| 700.00                                  | 698.70              | 705.30              | 694.70              | 4.32            | 23.11       | -122.81               | 1,427.04                          | -1,698.24  | 2,233.30             | 2,205.88              | 27.42                   | 81.440            |                    |         |
| 800.00                                  | 797.47              | 806.53              | 793.47              | 4.63            | 26.61       | -123.00               | 1,427.04                          | -1,698.24  | 2,241.87             | 2,210.64              | 31.23                   | 71.783            |                    |         |
| 900.00                                  | 895.62              | 908.38              | 891.62              | 4.97            | 30.14       | -123.22               | 1,427.04                          | -1,698.24  | 2,252.43             | 2,217.33              | 35.10                   | 64.177            |                    |         |
| 924.00                                  | 919.08              | 915.08              | 915.08              | 5.06            | 30.38       | -123.28               | 1,427.04                          | -1,698.24  | 2,255.27             | 2,219.85              | 35.42                   | 63.681            |                    |         |
| 1,000.00                                | 993.28              | 989.28              | 989.28              | 5.34            | 32.95       | -123.62               | 1,427.04                          | -1,698.24  | 2,264.47             | 2,226.20              | 38.27                   | 59.178            |                    |         |
| 1,100.00                                | 1,090.92            | 1,086.92            | 1,086.92            | 5.73            | 36.35       | -124.07               | 1,427.04                          | -1,698.24  | 2,276.70             | 2,234.67              | 42.04                   | 54.161            |                    |         |
| 1,200.00                                | 1,188.56            | 1,184.56            | 1,184.56            | 6.15            | 39.74       | -124.51               | 1,427.04                          | -1,698.24  | 2,289.08             | 2,243.25              | 45.82                   | 49.953            |                    |         |
| 1,300.00                                | 1,286.19            | 1,282.19            | 1,282.19            | 6.57            | 43.14       | -124.94               | 1,427.04                          | -1,698.24  | 2,301.59             | 2,251.96              | 49.63                   | 46.376            |                    |         |
| 1,400.00                                | 1,383.83            | 1,379.83            | 1,379.83            | 7.01            | 46.54       | -125.38               | 1,427.04                          | -1,698.24  | 2,314.23             | 2,260.78              | 53.45                   | 43.301            |                    |         |
| 1,500.00                                | 1,481.47            | 1,477.47            | 1,477.47            | 7.46            | 49.94       | -125.80               | 1,427.04                          | -1,698.24  | 2,327.00             | 2,269.73              | 57.27                   | 40.631            |                    |         |
| 1,600.00                                | 1,579.10            | 1,575.10            | 1,575.10            | 7.91            | 53.34       | -126.23               | 1,427.04                          | -1,698.24  | 2,339.91             | 2,278.80              | 61.11                   | 38.293            |                    |         |
| 1,700.00                                | 1,676.74            | 1,672.74            | 1,672.74            | 8.37            | 56.74       | -126.64               | 1,427.04                          | -1,698.24  | 2,352.94             | 2,288.00              | 64.95                   | 36.229            |                    |         |
| 1,800.00                                | 1,774.38            | 1,770.38            | 1,770.38            | 8.84            | 60.15       | -127.06               | 1,427.04                          | -1,698.24  | 2,366.10             | 2,297.31              | 68.79                   | 34.395            |                    |         |
| 1,900.00                                | 1,872.02            | 1,868.02            | 1,868.02            | 9.31            | 63.55       | -127.47               | 1,427.04                          | -1,698.24  | 2,379.38             | 2,306.74              | 72.64                   | 32.754            |                    |         |
| 2,000.00                                | 1,969.65            | 1,965.65            | 1,965.65            | 9.79            | 66.96       | -127.87               | 1,427.04                          | -1,698.24  | 2,392.78             | 2,316.29              | 76.50                   | 31.279            |                    |         |
| 2,100.00                                | 2,067.29            | 2,063.29            | 2,063.29            | 10.27           | 70.36       | -128.27               | 1,427.04                          | -1,698.24  | 2,406.31             | 2,325.95              | 80.36                   | 29.945            |                    |         |
| 2,200.00                                | 2,164.93            | 2,160.93            | 2,160.93            | 10.75           | 73.77       | -128.67               | 1,427.04                          | -1,698.24  | 2,419.95             | 2,335.73              | 84.22                   | 28.735            |                    |         |
| 2,300.00                                | 2,262.56            | 2,258.56            | 2,258.56            | 11.24           | 77.17       | -129.06               | 1,427.04                          | -1,698.24  | 2,433.70             | 2,345.62              | 88.08                   | 27.630            |                    |         |
| 2,400.00                                | 2,360.20            | 2,356.20            | 2,356.20            | 11.73           | 80.58       | -129.45               | 1,427.04                          | -1,698.24  | 2,447.57             | 2,355.63              | 91.95                   | 26.620            |                    |         |
| 2,500.00                                | 2,457.84            | 2,453.84            | 2,453.84            | 12.22           | 83.98       | -129.83               | 1,427.04                          | -1,698.24  | 2,461.55             | 2,365.74              | 95.81                   | 25.691            |                    |         |
| 2,600.00                                | 2,555.48            | 2,551.48            | 2,551.48            | 12.71           | 87.39       | -130.21               | 1,427.04                          | -1,698.24  | 2,475.64             | 2,375.96              | 99.68                   | 24.836            |                    |         |
| 2,700.00                                | 2,653.11            | 2,649.11            | 2,649.11            | 13.20           | 90.79       | -130.58               | 1,427.04                          | -1,698.24  | 2,489.84             | 2,386.29              | 103.55                  | 24.045            |                    |         |
| 2,800.00                                | 2,750.75            | 2,746.75            | 2,746.75            | 13.70           | 94.20       | -130.95               | 1,427.04                          | -1,698.24  | 2,504.14             | 2,396.72              | 107.42                  | 23.311            |                    |         |
| 2,900.00                                | 2,848.39            | 2,844.39            | 2,844.39            | 14.19           | 97.61       | -131.32               | 1,427.04                          | -1,698.24  | 2,518.55             | 2,407.26              | 111.29                  | 22.630            |                    |         |
| 3,000.00                                | 2,946.02            | 2,942.02            | 2,942.02            | 14.69           | 101.01      | -131.68               | 1,427.04                          | -1,698.24  | 2,533.06             | 2,417.90              | 115.17                  | 21.995            |                    |         |
| 3,100.00                                | 3,043.66            | 3,039.66            | 3,039.66            | 15.19           | 104.42      | -132.04               | 1,427.04                          | -1,698.24  | 2,547.67             | 2,428.64              | 119.04                  | 21.402            |                    |         |
| 3,200.00                                | 3,141.30            | 3,137.30            | 3,137.30            | 15.69           | 107.83      | -132.39               | 1,427.04                          | -1,698.24  | 2,562.38             | 2,439.47              | 122.91                  | 20.847            |                    |         |
| 3,300.00                                | 3,238.94            | 3,234.94            | 3,234.94            | 16.19           | 111.23      | -132.74               | 1,427.04                          | -1,698.24  | 2,577.19             | 2,450.41              | 126.79                  | 20.327            |                    |         |
| 3,400.00                                | 3,336.57            | 3,332.57            | 3,332.57            | 16.69           | 114.64      | -133.09               | 1,427.04                          | -1,698.24  | 2,592.09             | 2,461.43              | 130.66                  | 19.838            |                    |         |
| 3,500.00                                | 3,434.21            | 3,430.21            | 3,430.21            | 17.19           | 118.05      | -133.43               | 1,427.04                          | -1,698.24  | 2,607.09             | 2,472.56              | 134.53                  | 19.379            |                    |         |
| 3,600.00                                | 3,531.85            | 3,527.85            | 3,527.85            | 17.69           | 121.46      | -133.77               | 1,427.04                          | -1,698.24  | 2,622.18             | 2,483.77              | 138.41                  | 18.945            |                    |         |
| 3,700.00                                | 3,629.48            | 3,625.48            | 3,625.48            | 18.20           | 124.86      | -134.11               | 1,427.04                          | -1,698.24  | 2,637.36             | 2,495.08              | 142.29                  | 18.536            |                    |         |
| 3,800.00                                | 3,727.12            | 3,723.12            | 3,723.12            | 18.70           | 128.27      | -134.44               | 1,427.04                          | -1,698.24  | 2,652.63             | 2,506.47              | 146.16                  | 18.149            |                    |         |
| 3,900.00                                | 3,824.76            | 3,820.76            | 3,820.76            | 19.21           | 131.68      | -134.77               | 1,427.04                          | -1,698.24  | 2,667.99             | 2,517.95              | 150.04                  | 17.782            |                    |         |
| 4,000.00                                | 3,922.40            | 3,918.40            | 3,918.40            | 19.71           | 135.09      | -135.09               | 1,427.04                          | -1,698.24  | 2,683.43             | 2,529.52              | 153.91                  | 17.435            |                    |         |
| 4,100.00                                | 4,020.03            | 4,016.03            | 4,016.03            | 20.21           | 138.49      | -135.41               | 1,427.04                          | -1,698.24  | 2,698.96             | 2,541.17              | 157.79                  | 17.105            |                    |         |
| 4,200.00                                | 4,117.67            | 4,113.67            | 4,113.67            | 20.72           | 141.90      | -135.73               | 1,427.04                          | -1,698.24  | 2,714.57             | 2,552.90              | 161.66                  | 16.792            |                    |         |
| 4,300.00                                | 4,215.31            | 4,211.31            | 4,211.31            | 21.23           | 145.31      | -136.04               | 1,427.04                          | -1,698.24  | 2,730.26             | 2,564.72              | 165.54                  | 16.493            |                    |         |
| 4,400.00                                | 4,312.94            | 4,308.94            | 4,308.94            | 21.73           | 148.72      | -136.35               | 1,427.04                          | -1,698.24  | 2,746.03             | 2,576.62              | 169.41                  | 16.209            |                    |         |
| 4,500.00                                | 4,410.58            | 4,406.58            | 4,406.58            | 22.24           | 152.12      | -136.65               | 1,427.04                          | -1,698.24  | 2,761.89             | 2,588.59              | 173.29                  | 15.938            |                    |         |
| 4,600.00                                | 4,508.22            | 4,504.22            | 4,504.22            | 22.75           | 155.53      | -136.96               | 1,427.04                          | -1,698.24  | 2,777.82             | 2,600.65              | 177.17                  | 15.679            |                    |         |
| 4,700.00                                | 4,605.86            | 4,601.86            | 4,601.86            | 23.25           | 158.94      | -137.26               | 1,427.04                          | -1,698.24  | 2,793.82             | 2,612.78              | 181.04                  | 15.432            |                    |         |
| 4,800.00                                | 4,703.49            | 4,700.51            | 4,699.49            | 23.76           | 162.38      | -137.55               | 1,427.04                          | -1,698.24  | 2,809.90             | 2,624.95              | 184.95                  | 15.192            |                    |         |
| 4,900.00                                | 4,801.13            | 4,802.87            | 4,797.13            | 24.27           | 165.96      | -137.84               | 1,427.04                          | -1,698.24  | 2,826.06             | 2,637.06              | 188.99                  | 14.953            |                    |         |
| 5,000.00                                | 4,898.77            | 4,905.23            | 4,894.77            | 24.77           | 169.53      | -138.13               | 1,427.04                          | -1,698.24  | 2,842.28             | 2,649.25              | 193.04                  | 14.724            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,007.60            | 4,992.40            | 25.28           | 173.10      | -138.42               | 1,427.04                          | -1,698.24  | 2,858.58             | 2,661.51              | 197.08                  | 14.505            |                    |         |
| 5,200.00                                | 5,094.04            | 5,109.96            | 5,090.04            | 25.79           | 176.67      | -138.70               | 1,427.04                          | -1,698.24  | 2,874.95             | 2,673.83              | 201.12                  | 14.295            |                    |         |
| 5,300.00                                | 5,191.68            | 5,187.68            | 5,187.68            | 26.30           | 179.39      | -138.98               | 1,427.04                          | -1,698.24  | 2,891.39             | 2,687.09              | 204.30                  | 14.153            |                    |         |
| 5,400.00                                | 5,289.32            | 5,285.32            | 5,285.32            | 26.81           | 182.79      | -139.26               | 1,427.04                          | -1,698.24  | 2,907.89             | 2,699.72              | 208.17                  | 13.969            |                    |         |
| 5,500.00                                | 5,386.95            | 5,382.95            | 5,382.95            | 27.32           | 186.20      | -139.53               | 1,427.04                          | -1,698.24  | 2,924.47             | 2,712.42              | 212.05                  | 13.792            |                    |         |
| 5,600.00                                | 5,484.59            | 5,480.59            | 5,480.59            | 27.83           | 189.61      | -139.80               | 1,427.04                          | -1,698.24  | 2,941.10             | 2,725.18              | 215.92                  | 13.621            |                    |         |
| 5,700.00                                | 5,582.23            | 5,578.23            | 5,578.23            | 28.33           | 193.02      | -140.07               | 1,427.04                          | -1,698.24  | 2,957.80             | 2,738.01              | 219.80                  | 13.457            |                    |         |
| 5,800.00                                | 5,679.87            | 5,675.87            | 5,675.87            | 28.84           | 196.43      | -140.34               | 1,427.04                          | -1,698.24  | 2,974.57             | 2,750.89              | 223.67                  | 13.299            |                    |         |
| 5,900.00                                | 5,777.50            | 5,773.50            | 5,773.50            | 29.35           | 199.83      | -140.60               | 1,427.04                          | -1,698.24  | 2,991.39             | 2,763.85              | 227.55                  | 13.146            |                    |         |
| 6,000.00                                | 5,875.14            | 5,871.14            | 5,871.14            | 29.86           | 203.24      | -140.86               | 1,427.04                          | -1,698.24  | 3,008.28             | 2,776.86              | 231.42                  | 12.999            |                    |         |
| 6,100.00                                | 5,972.78            | 5,968.78            | 5,968.78            | 30.37           | 206.65      | -141.11               | 1,427.04                          | -1,698.24  | 3,025.23             | 2,789.93              | 235.30                  | 12.857            |                    |         |
| 6,200.00                                | 6,070.41            | 6,066.41            | 6,066.41            | 30.88           | 210.06      | -141.37               | 1,427.04                          | -1,698.24  | 3,042.24             | 2,803.06              | 239.17                  | 12.720            |                    |         |
| 6,300.00                                | 6,168.05            | 6,164.05            | 6,164.05            | 31.39           | 213.47      | -141.62               | 1,427.04                          | -1,698.24  | 3,059.30             | 2,816.25              | 243.05                  | 12.587            |                    |         |
| 6,400.00                                | 6,265.69            | 6,261.69            | 6,261.69            | 31.90           | 216.88      | -141.86               | 1,427.04                          | -1,698.24  | 3,076.42             | 2,829.50              | 246.92                  | 12.459            |                    |         |
| 6,439.09                                | 6,303.85            | 6,300.15            | 6,299.85            | 32.10           | 218.22      | -141.96               | 1,427.04                          | -1,698.24  | 3,083.13             | 2,834.68              | 248.45                  | 12.410            |                    |         |
| 6,450.00                                | 6,314.53            | 6,310.53            | 6,310.53            | 32.16           | 218.58      | -140.57               | 1,427.04                          | -1,698.24  | 3,084.92             | 2,836.06              | 248.86                  | 12.396            |                    |         |
| 6,500.00                                | 6,363.83            | 6,359.83            | 6,359.83            | 32.39           | 220.30      | -129.45               | 1,427.04                          | -1,698.24  | 3,090.89             | 2,840.09              | 250.80                  | 12.324            |                    |         |
| 6,550.00                                | 6,413.58            | 6,409.58            | 6,409.58            | 32.60           | 222.04      | -97.02                | 1,427.04                          | -1,698.24  | 3,093.19             | 2,840.44              | 252.75                  | 12.238            |                    |         |
| 6,600.00                                | 6,463.45            | 6,459.45            | 6,459.45            | 32.79           | 223.78      | -36.20                | 1,427.04                          | -1,698.24  | 3,091.80             | 2,837.12              | 254.68                  | 12.140            |                    |         |
| 6,650.00                                | 6,513.15            | 6,509.15            | 6,509.15            | 32.97           | 225.51      | -8.57                 | 1,427.04                          | -1,698.24  | 3,086.72             | 2,830.14              | 256.58                  | 12.030            |                    |         |
| 6,700.00                                | 6,562.37            | 6,558.37            | 6,558.37            | 33.15           | 227.23      | 1.70                  | 1,427.04                          | -1,698.24  | 3,077.98             | 2,819.53              | 258.45                  | 11.909            |                    |         |
| 6,750.00                                | 6,610.80            | 6,606.80            | 6,606.80            | 33.34           | 228.92      | 6.94                  | 1,427.04                          | -1,698.24  | 3,065.64             | 2,805.35              | 260.29                  | 11.778            |                    |         |
| 6,800.00                                | 6,658.14            | 6,654.14            | 6,654.14            | 33.53           | 230.57      | 10.30                 | 1,427.04                          | -1,698.24  | 3,049.77             | 2,787.70              | 262.07                  | 11.637            |                    |         |
| 6,850.00                                | 6,704.11            | 6,700.11            | 6,700.11            | 33.74           | 232.18      | 12.86                 | 1,427.04                          | -1,698.24  | 3,030.47             | 2,766.68              | 263.79                  | 11.488            |                    |         |
| 6,900.00                                | 6,748.42            | 6,744.42            | 6,744.42            | 33.97           | 233.73      | 15.07                 | 1,427.04                          | -1,698.24  | 3,007.87             | 2,742.43              | 265.44                  | 11.331            |                    |         |
| 6,950.00                                | 6,790.79            | 6,786.79            | 6,786.79            | 34.21           | 235.20      | 17.19                 | 1,427.04                          | -1,698.24  | 2,982.12             | 2,715.10              | 267.02                  | 11.168            |                    |         |
| 7,000.00                                | 6,830.97            | 6,826.97            | 6,826.97            | 34.48           | 236.61      | 19.37                 | 1,427.04                          | -1,698.24  | 2,953.37             | 2,684.86              | 268.51                  | 10.999            |                    |         |
| 7,050.00                                | 6,868.71            | 6,864.71            | 6,864.71            | 34.77           | 237.92      | 21.74                 | 1,427.04                          | -1,698.24  | 2,921.83             | 2,651.91              | 269.92                  | 10.825            |                    |         |
| 7,100.00                                | 6,903.77            | 6,900.24            | 6,899.77            | 35.09           | 239.16      | 24.42                 | 1,427.04                          | -1,698.24  | 2,887.68             | 2,616.44              | 271.24                  | 10.646            |                    |         |
| 7,150.00                                | 6,935.93            | 6,931.93            | 6,931.93            | 35.44           | 240.27      | 27.54                 | 1,427.04                          | -1,698.24  | 2,851.17             | 2,578.74              | 272.42                  | 10.466            |                    |         |
| 7,200.00                                | 6,965.01            | 6,961.01            | 6,961.01            | 35.83           | 241.29      | 31.25                 | 1,427.04                          | -1,698.24  | 2,812.52             | 2,539.00              | 273.52                  | 10.283            |                    |         |
| 7,250.00                                | 6,990.82            | 6,986.82            | 6,986.82            | 36.26           | 242.19      | 35.71                 | 1,427.04                          | -1,698.24  | 2,771.99             | 2,497.48              | 274.51                  | 10.098            |                    |         |
| 7,300.00                                | 7,013.20            | 7,009.20            | 7,009.20            | 36.72           | 242.97      | 41.14                 | 1,427.04                          | -1,698.24  | 2,729.85             | 2,454.47              | 275.38                  | 9.913             |                    |         |
| 7,350.00                                | 7,032.02            | 7,028.02            | 7,028.02            | 37.23           | 243.63      | 47.73                 | 1,427.04                          | -1,698.24  | 2,686.38             | 2,410.23              | 276.14                  | 9.728             |                    |         |
| 7,400.00                                | 7,047.15            | 7,043.15            | 7,043.15            | 37.77           | 244.15      | 55.63                 | 1,427.04                          | -1,698.24  | 2,641.85             | 2,365.07              | 276.79                  | 9.545             |                    |         |
| 7,450.00                                | 7,058.51            | 7,054.51            | 7,054.51            | 38.34           | 244.55      | 64.83                 | 1,427.04                          | -1,698.24  | 2,596.57             | 2,319.26              | 277.32                  | 9.363             |                    |         |
| 7,500.00                                | 7,066.02            | 7,062.02            | 7,062.02            | 38.95           | 244.81      | 75.03                 | 1,427.04                          | -1,698.24  | 2,550.84             | 2,273.11              | 277.73                  | 9.185             |                    |         |
| 7,550.00                                | 7,069.64            | 7,065.64            | 7,065.64            | 39.58           | 244.94      | 85.59                 | 1,427.04                          | -1,698.24  | 2,504.94             | 2,226.92              | 278.03                  | 9.010             |                    |         |
| 7,571.20                                | 7,070.00            | 7,066.00            | 7,066.00            | 39.85           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 2,485.51             | 2,207.39              | 278.12                  | 8.937             |                    |         |
| 7,600.00                                | 7,070.00            | 7,066.00            | 7,066.00            | 40.23           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 2,459.16             | 2,180.93              | 278.23                  | 8.839             |                    |         |
| 7,700.00                                | 7,070.01            | 7,066.01            | 7,066.01            | 41.64           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 2,368.12             | 2,089.43              | 278.69                  | 8.497             |                    |         |
| 7,800.00                                | 7,070.02            | 7,066.02            | 7,066.02            | 43.20           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 2,277.83             | 1,998.58              | 279.25                  | 8.157             |                    |         |
| 7,900.00                                | 7,070.03            | 7,066.03            | 7,066.03            | 44.89           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 2,188.39             | 1,908.46              | 279.93                  | 7.818             |                    |         |
| 8,000.00                                | 7,070.04            | 7,066.04            | 7,066.04            | 46.69           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 2,099.89             | 1,819.14              | 280.75                  | 7.480             |                    |         |
| 8,100.00                                | 7,070.05            | 7,066.05            | 7,066.05            | 48.60           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 2,012.48             | 1,730.75              | 281.73                  | 7.143             |                    |         |
| 8,200.00                                | 7,070.05            | 7,066.05            | 7,066.05            | 50.59           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 1,926.29             | 1,643.40              | 282.89                  | 6.809             |                    |         |
| 8,300.00                                | 7,070.06            | 7,066.06            | 7,066.06            | 52.66           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 1,841.50             | 1,557.25              | 284.25                  | 6.478             |                    |         |
| 8,400.00                                | 7,070.07            | 7,066.07            | 7,066.07            | 54.81           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 1,758.31             | 1,472.46              | 285.85                  | 6.151             |                    |         |
| 8,500.00                                | 7,070.08            | 7,066.08            | 7,066.08            | 57.02           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 1,676.95             | 1,389.25              | 287.70                  | 5.829             |                    |         |
| 8,600.00                                | 7,070.09            | 7,066.09            | 7,066.09            | 59.28           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 1,597.71             | 1,307.88              | 289.84                  | 5.512             |                    |         |
| 8,700.00                                | 7,070.10            | 7,066.10            | 7,066.10            | 61.60           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 1,520.92             | 1,228.65              | 292.28                  | 5.204             |                    |         |
| 8,800.00                                | 7,070.11            | 7,066.11            | 7,066.11            | 63.95           | 244.95      | 89.99                 | 1,427.04                          | -1,698.24  | 1,446.97             | 1,151.92              | 295.05                  | 4.904             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,066.12            | 7,066.12            | 66.35           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,376.32             | 1,078.15              | 298.17                  | 4.616             |                    |         |
| 9,000.00                                | 7,070.13            | 7,066.13            | 7,066.13            | 68.79           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,309.49             | 1,007.87              | 301.63                  | 4.341             |                    |         |
| 9,100.00                                | 7,070.13            | 7,066.13            | 7,066.13            | 71.25           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,247.11             | 941.69                | 305.42                  | 4.083             |                    |         |
| 9,200.00                                | 7,070.14            | 7,066.14            | 7,066.14            | 73.74           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,189.88             | 880.36                | 309.52                  | 3.844             |                    |         |
| 9,300.00                                | 7,070.15            | 7,066.15            | 7,066.15            | 76.26           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,138.57             | 824.73                | 313.84                  | 3.628             |                    |         |
| 9,400.00                                | 7,070.16            | 7,066.16            | 7,066.16            | 78.80           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,094.01             | 775.72                | 318.29                  | 3.437             |                    |         |
| 9,500.00                                | 7,070.17            | 7,066.17            | 7,066.17            | 81.37           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,057.06             | 734.34                | 322.72                  | 3.275             |                    |         |
| 9,600.00                                | 7,070.18            | 7,066.18            | 7,066.18            | 83.95           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,028.55             | 701.59                | 326.96                  | 3.146             |                    |         |
| 9,700.00                                | 7,070.19            | 7,066.19            | 7,066.19            | 86.55           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,009.17             | 678.37                | 330.80                  | 3.051             |                    |         |
| 9,800.00                                | 7,070.20            | 7,066.20            | 7,066.20            | 89.17           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 999.47               | 665.41                | 334.07                  | 2.992             |                    |         |
| 9,847.39                                | 7,070.20            | 7,066.20            | 7,066.20            | 90.41           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 998.35               | 662.98                | 335.37                  | 2.977 CC, ES      |                    |         |
| 9,900.00                                | 7,070.21            | 7,066.21            | 7,066.21            | 91.80           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 999.74               | 663.13                | 336.61                  | 2.970 SF          |                    |         |
| 10,000.00                               | 7,070.21            | 7,066.21            | 7,066.21            | 94.44           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,009.95             | 671.61                | 338.33                  | 2.985             |                    |         |
| 10,100.00                               | 7,070.22            | 7,066.22            | 7,066.22            | 97.10           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,029.81             | 690.57                | 339.24                  | 3.036             |                    |         |
| 10,200.00                               | 7,070.23            | 7,066.23            | 7,066.23            | 99.77           | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,058.79             | 719.39                | 339.40                  | 3.120             |                    |         |
| 10,300.00                               | 7,070.24            | 7,066.24            | 7,066.24            | 102.44          | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,096.16             | 757.25                | 338.90                  | 3.234             |                    |         |
| 10,400.00                               | 7,070.25            | 7,066.25            | 7,066.25            | 105.13          | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,141.09             | 803.19                | 337.90                  | 3.377             |                    |         |
| 10,500.00                               | 7,070.26            | 7,066.26            | 7,066.26            | 107.83          | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,192.73             | 856.21                | 336.52                  | 3.544             |                    |         |
| 10,600.00                               | 7,070.27            | 7,066.27            | 7,066.27            | 110.53          | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,250.25             | 915.36                | 334.89                  | 3.733             |                    |         |
| 10,700.00                               | 7,070.28            | 7,066.28            | 7,066.28            | 113.24          | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,312.88             | 979.77                | 333.11                  | 3.941             |                    |         |
| 10,800.00                               | 7,070.28            | 7,066.28            | 7,066.28            | 115.96          | 244.96      | 90.00                 | 1,427.04                          | -1,698.24  | 1,379.92             | 1,048.66              | 331.26                  | 4.166             |                    |         |
| 10,900.00                               | 7,070.29            | 7,066.29            | 7,066.29            | 118.69          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 1,450.75             | 1,121.35              | 329.40                  | 4.404             |                    |         |
| 11,000.00                               | 7,070.30            | 7,066.30            | 7,066.30            | 121.42          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 1,524.86             | 1,197.29              | 327.58                  | 4.655             |                    |         |
| 11,100.00                               | 7,070.31            | 7,066.31            | 7,066.31            | 124.16          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 1,601.79             | 1,275.98              | 325.81                  | 4.916             |                    |         |
| 11,200.00                               | 7,070.32            | 7,066.32            | 7,066.32            | 126.90          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 1,681.15             | 1,357.03              | 324.12                  | 5.187             |                    |         |
| 11,300.00                               | 7,070.33            | 7,066.33            | 7,066.33            | 129.65          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 1,762.61             | 1,440.09              | 322.51                  | 5.465             |                    |         |
| 11,400.00                               | 7,070.34            | 7,066.34            | 7,066.34            | 132.40          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 1,845.89             | 1,524.89              | 320.99                  | 5.751             |                    |         |
| 11,500.00                               | 7,070.35            | 7,066.35            | 7,066.35            | 135.16          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 1,930.76             | 1,611.19              | 319.57                  | 6.042             |                    |         |
| 11,600.00                               | 7,070.36            | 7,066.36            | 7,066.36            | 137.92          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 2,017.01             | 1,698.78              | 318.23                  | 6.338             |                    |         |
| 11,700.00                               | 7,070.36            | 7,066.36            | 7,066.36            | 140.69          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 2,104.49             | 1,787.51              | 316.98                  | 6.639             |                    |         |
| 11,800.00                               | 7,070.37            | 7,066.37            | 7,066.37            | 143.46          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 2,193.03             | 1,877.23              | 315.80                  | 6.944             |                    |         |
| 11,900.00                               | 7,070.38            | 7,066.38            | 7,066.38            | 146.23          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 2,282.52             | 1,967.82              | 314.71                  | 7.253             |                    |         |
| 12,000.00                               | 7,070.39            | 7,066.39            | 7,066.39            | 149.01          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 2,372.85             | 2,059.17              | 313.68                  | 7.565             |                    |         |
| 12,100.00                               | 7,070.40            | 7,066.40            | 7,066.40            | 151.79          | 244.96      | 90.01                 | 1,427.04                          | -1,698.24  | 2,463.93             | 2,151.21              | 312.72                  | 7.879             |                    |         |
| 12,200.00                               | 7,070.41            | 7,066.41            | 7,066.41            | 154.57          | 244.97      | 90.01                 | 1,427.04                          | -1,698.24  | 2,555.67             | 2,243.85              | 311.83                  | 8.196             |                    |         |
| 12,300.00                               | 7,070.42            | 7,066.42            | 7,066.42            | 157.35          | 244.97      | 90.01                 | 1,427.04                          | -1,698.24  | 2,648.02             | 2,337.03              | 310.99                  | 8.515             |                    |         |
| 12,400.00                               | 7,070.43            | 7,066.43            | 7,066.43            | 160.14          | 244.97      | 90.01                 | 1,427.04                          | -1,698.24  | 2,740.90             | 2,430.70              | 310.20                  | 8.836             |                    |         |
| 12,500.00                               | 7,070.44            | 7,066.44            | 7,066.44            | 162.93          | 244.97      | 90.01                 | 1,427.04                          | -1,698.24  | 2,834.26             | 2,524.80              | 309.46                  | 9.159             |                    |         |
| 12,600.00                               | 7,070.44            | 7,066.44            | 7,066.44            | 165.72          | 244.97      | 90.01                 | 1,427.04                          | -1,698.24  | 2,928.06             | 2,619.29              | 308.77                  | 9.483             |                    |         |
| 12,700.00                               | 7,070.45            | 7,066.45            | 7,066.45            | 168.52          | 244.97      | 90.01                 | 1,427.04                          | -1,698.24  | 3,022.26             | 2,714.14              | 308.13                  | 9.809             |                    |         |
| 12,800.00                               | 7,070.46            | 7,066.46            | 7,066.46            | 171.32          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,116.83             | 2,809.31              | 307.52                  | 10.135            |                    |         |
| 12,900.00                               | 7,070.47            | 7,066.47            | 7,066.47            | 174.11          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,211.72             | 2,904.77              | 306.94                  | 10.463            |                    |         |
| 13,000.00                               | 7,070.48            | 7,066.48            | 7,066.48            | 176.92          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,306.91             | 3,000.50              | 306.41                  | 10.793            |                    |         |
| 13,100.00                               | 7,070.49            | 7,066.49            | 7,066.49            | 179.72          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,402.38             | 3,096.48              | 305.90                  | 11.123            |                    |         |
| 13,200.00                               | 7,070.50            | 7,066.50            | 7,066.50            | 182.52          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,498.10             | 3,192.68              | 305.42                  | 11.453            |                    |         |
| 13,300.00                               | 7,070.51            | 7,066.51            | 7,066.51            | 185.33          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,594.05             | 3,289.08              | 304.97                  | 11.785            |                    |         |
| 13,400.00                               | 7,070.52            | 7,066.52            | 7,066.52            | 188.14          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,690.22             | 3,385.67              | 304.55                  | 12.117            |                    |         |
| 13,500.00                               | 7,070.52            | 7,066.52            | 7,066.52            | 190.95          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,786.59             | 3,482.44              | 304.15                  | 12.450            |                    |         |
| 13,600.00                               | 7,070.53            | 7,066.53            | 7,066.53            | 193.76          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,883.14             | 3,579.37              | 303.77                  | 12.783            |                    |         |
| 13,700.00                               | 7,070.54            | 7,066.54            | 7,066.54            | 196.57          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 3,979.86             | 3,676.45              | 303.41                  | 13.117            |                    |         |
| 13,800.00                               | 7,070.55            | 7,066.55            | 7,066.55            | 199.38          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,076.74             | 3,773.67              | 303.07                  | 13.451            |                    |         |
| 13,900.00                               | 7,070.56            | 7,066.56            | 7,066.56            | 202.20          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,173.77             | 3,871.01              | 302.75                  | 13.786            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,066.57            | 7,066.57            | 205.01          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,270.93             | 3,968.48              | 302.45                  | 14.121            |                    |         |
| 14,100.00                               | 7,070.58            | 7,066.58            | 7,066.58            | 207.83          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,368.23             | 4,066.06              | 302.17                  | 14.456            |                    |         |
| 14,200.00                               | 7,070.59            | 7,066.59            | 7,066.59            | 210.65          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,465.64             | 4,163.74              | 301.90                  | 14.792            |                    |         |
| 14,300.00                               | 7,070.60            | 7,066.60            | 7,066.60            | 213.47          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,563.16             | 4,261.52              | 301.64                  | 15.128            |                    |         |
| 14,400.00                               | 7,070.60            | 7,066.60            | 7,066.60            | 216.29          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,660.79             | 4,359.39              | 301.40                  | 15.464            |                    |         |
| 14,500.00                               | 7,070.61            | 7,066.61            | 7,066.61            | 219.11          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,758.52             | 4,457.35              | 301.17                  | 15.800            |                    |         |
| 14,600.00                               | 7,070.62            | 7,066.62            | 7,066.62            | 221.94          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,856.34             | 4,555.39              | 300.95                  | 16.137            |                    |         |
| 14,700.00                               | 7,070.63            | 7,066.63            | 7,066.63            | 224.76          | 244.97      | 90.02                 | 1,427.04                          | -1,698.24  | 4,954.24             | 4,653.50              | 300.74                  | 16.473            |                    |         |
| 14,800.00                               | 7,070.64            | 7,066.64            | 7,066.64            | 227.58          | 244.97      | 90.03                 | 1,427.04                          | -1,698.24  | 5,052.23             | 4,751.69              | 300.55                  | 16.810            |                    |         |
| 14,900.00                               | 7,070.65            | 7,066.65            | 7,066.65            | 230.41          | 244.97      | 90.03                 | 1,427.04                          | -1,698.24  | 5,150.30             | 4,849.94              | 300.36                  | 17.147            |                    |         |
| 15,000.00                               | 7,070.66            | 7,066.66            | 7,066.66            | 233.24          | 244.97      | 90.03                 | 1,427.04                          | -1,698.24  | 5,248.44             | 4,948.25              | 300.19                  | 17.484            |                    |         |
| 15,100.00                               | 7,070.67            | 7,066.67            | 7,066.67            | 236.06          | 244.97      | 90.03                 | 1,427.04                          | -1,698.24  | 5,346.64             | 5,046.63              | 300.02                  | 17.821            |                    |         |
| 15,200.00                               | 7,070.68            | 7,066.68            | 7,066.68            | 238.89          | 244.97      | 90.03                 | 1,427.04                          | -1,698.24  | 5,444.92             | 5,145.06              | 299.86                  | 18.158            |                    |         |
| 15,300.00                               | 7,070.68            | 7,066.68            | 7,066.68            | 241.72          | 244.97      | 90.03                 | 1,427.04                          | -1,698.24  | 5,543.25             | 5,243.54              | 299.71                  | 18.495            |                    |         |
| 15,400.00                               | 7,070.69            | 7,066.69            | 7,066.69            | 244.55          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 5,641.65             | 5,342.07              | 299.57                  | 18.832            |                    |         |
| 15,500.00                               | 7,070.70            | 7,066.70            | 7,066.70            | 247.38          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 5,740.10             | 5,440.66              | 299.44                  | 19.170            |                    |         |
| 15,600.00                               | 7,070.71            | 7,066.71            | 7,066.71            | 250.21          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 5,838.60             | 5,539.28              | 299.31                  | 19.507            |                    |         |
| 15,700.00                               | 7,070.72            | 7,066.72            | 7,066.72            | 253.04          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 5,937.15             | 5,637.96              | 299.19                  | 19.844            |                    |         |
| 15,800.00                               | 7,070.73            | 7,066.73            | 7,066.73            | 255.87          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,035.75             | 5,736.67              | 299.08                  | 20.181            |                    |         |
| 15,900.00                               | 7,070.74            | 7,066.74            | 7,066.74            | 258.71          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,134.39             | 5,835.42              | 298.98                  | 20.518            |                    |         |
| 16,000.00                               | 7,070.75            | 7,066.75            | 7,066.75            | 261.54          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,233.08             | 5,934.21              | 298.88                  | 20.855            |                    |         |
| 16,100.00                               | 7,070.76            | 7,066.76            | 7,066.76            | 264.37          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,331.81             | 6,033.03              | 298.78                  | 21.192            |                    |         |
| 16,200.00                               | 7,070.76            | 7,066.76            | 7,066.76            | 267.21          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,430.58             | 6,131.88              | 298.69                  | 21.529            |                    |         |
| 16,300.00                               | 7,070.77            | 7,066.77            | 7,066.77            | 270.04          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,529.39             | 6,230.77              | 298.61                  | 21.866            |                    |         |
| 16,400.00                               | 7,070.78            | 7,066.78            | 7,066.78            | 272.88          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,628.23             | 6,329.69              | 298.53                  | 22.203            |                    |         |
| 16,500.00                               | 7,070.79            | 7,066.79            | 7,066.79            | 275.71          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,727.10             | 6,428.64              | 298.46                  | 22.539            |                    |         |
| 16,600.00                               | 7,070.80            | 7,066.80            | 7,066.80            | 278.55          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,826.01             | 6,527.62              | 298.39                  | 22.876            |                    |         |
| 16,700.00                               | 7,070.81            | 7,066.81            | 7,066.81            | 281.39          | 244.98      | 90.03                 | 1,427.04                          | -1,698.24  | 6,924.95             | 6,626.62              | 298.33                  | 23.212            |                    |         |
| 16,800.00                               | 7,070.82            | 7,066.82            | 7,066.82            | 284.22          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,023.92             | 6,725.65              | 298.27                  | 23.549            |                    |         |
| 16,900.00                               | 7,070.83            | 7,066.83            | 7,066.83            | 287.06          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,122.92             | 6,824.70              | 298.22                  | 23.885            |                    |         |
| 17,000.00                               | 7,070.84            | 7,066.84            | 7,066.84            | 289.90          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,221.95             | 6,923.78              | 298.17                  | 24.221            |                    |         |
| 17,100.00                               | 7,070.84            | 7,066.84            | 7,066.84            | 292.74          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,321.00             | 7,022.88              | 298.12                  | 24.557            |                    |         |
| 17,200.00                               | 7,070.85            | 7,066.85            | 7,066.85            | 295.58          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,420.08             | 7,122.00              | 298.08                  | 24.893            |                    |         |
| 17,300.00                               | 7,070.86            | 7,066.86            | 7,066.86            | 298.42          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,519.18             | 7,221.14              | 298.04                  | 25.229            |                    |         |
| 17,400.00                               | 7,070.87            | 7,066.87            | 7,066.87            | 301.26          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,618.31             | 7,320.30              | 298.01                  | 25.564            |                    |         |
| 17,500.00                               | 7,070.88            | 7,066.88            | 7,066.88            | 304.10          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,717.46             | 7,419.48              | 297.98                  | 25.900            |                    |         |
| 17,600.00                               | 7,070.89            | 7,066.89            | 7,066.89            | 306.94          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,816.63             | 7,518.68              | 297.95                  | 26.235            |                    |         |
| 17,700.00                               | 7,070.90            | 7,066.90            | 7,066.90            | 309.78          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 7,915.82             | 7,617.89              | 297.92                  | 26.570            |                    |         |
| 17,800.00                               | 7,070.91            | 7,066.91            | 7,066.91            | 312.62          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 8,015.03             | 7,717.13              | 297.90                  | 26.905            |                    |         |
| 17,900.00                               | 7,070.92            | 7,066.92            | 7,066.92            | 315.46          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 8,114.26             | 7,816.38              | 297.89                  | 27.240            |                    |         |
| 18,000.00                               | 7,070.92            | 7,066.92            | 7,066.92            | 318.31          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 8,213.51             | 7,915.64              | 297.87                  | 27.574            |                    |         |
| 18,100.00                               | 7,070.93            | 7,066.93            | 7,066.93            | 321.15          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 8,312.78             | 8,014.92              | 297.86                  | 27.909            |                    |         |
| 18,200.00                               | 7,070.94            | 7,066.94            | 7,066.94            | 323.99          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 8,412.06             | 8,114.21              | 297.85                  | 28.243            |                    |         |
| 18,300.00                               | 7,070.95            | 7,066.95            | 7,066.95            | 326.83          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 8,511.36             | 8,213.52              | 297.84                  | 28.577            |                    |         |
| 18,400.00                               | 7,070.96            | 7,066.96            | 7,066.96            | 329.68          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 8,610.68             | 8,312.84              | 297.84                  | 28.911            |                    |         |
| 18,500.00                               | 7,070.97            | 7,066.97            | 7,066.97            | 332.52          | 244.98      | 90.04                 | 1,427.04                          | -1,698.24  | 8,710.01             | 8,412.18              | 297.84                  | 29.244            |                    |         |
| 18,600.00                               | 7,070.98            | 7,066.98            | 7,066.98            | 335.36          | 244.99      | 90.04                 | 1,427.04                          | -1,698.24  | 8,809.36             | 8,511.52              | 297.84                  | 29.578            |                    |         |
| 18,700.00                               | 7,070.99            | 7,066.99            | 7,066.99            | 338.21          | 244.99      | 90.05                 | 1,427.04                          | -1,698.24  | 8,908.73             | 8,610.88              | 297.84                  | 29.911            |                    |         |
| 18,800.00                               | 7,070.99            | 7,066.99            | 7,066.99            | 341.05          | 244.99      | 90.05                 | 1,427.04                          | -1,698.24  | 9,008.10             | 8,710.26              | 297.85                  | 30.244            |                    |         |
| 18,858.54                               | 7,071.00            | 7,067.00            | 7,067.00            | 342.72          | 244.99      | 90.05                 | 1,427.04                          | -1,698.24  | 9,066.28             | 8,768.43              | 297.85                  | 30.439            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                    | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -107.11               | -2,198.64                         | -7,143.84  | 7,474.52             |                       |                         |                   |                    |         |
| 100.00                  | 100.00              | 85.40               | 85.40               | 3.28            | 3.29        | -107.11               | -2,198.86                         | -7,143.80  | 7,474.55             | 7,467.98              | 6.57                    | 1,137.667         |                    |         |
| 200.00                  | 200.00              | 174.53              | 174.53              | 3.34            | 3.31        | -107.11               | -2,199.52                         | -7,143.69  | 7,474.66             | 7,468.01              | 6.65                    | 1,124.469         |                    |         |
| 300.00                  | 300.00              | 258.40              | 258.39              | 3.44            | 3.38        | -107.12               | -2,200.36                         | -7,143.74  | 7,475.00             | 7,468.17              | 6.82                    | 1,095.285         |                    |         |
| 400.00                  | 399.98              | 356.92              | 356.91              | 3.60            | 3.51        | -179.63               | -2,201.48                         | -7,143.81  | 7,477.15             | 7,470.04              | 7.11                    | 1,051.568         |                    |         |
| 500.00                  | 499.84              | 448.54              | 448.52              | 3.80            | 3.67        | -179.63               | -2,202.13                         | -7,144.12  | 7,482.90             | 7,475.43              | 7.47                    | 1,001.321         |                    |         |
| 600.00                  | 599.45              | 552.14              | 552.12              | 4.04            | 3.89        | -179.63               | -2,202.55                         | -7,144.54  | 7,492.13             | 7,484.19              | 7.94                    | 943.866           |                    |         |
| 700.00                  | 698.70              | 637.20              | 637.18              | 4.32            | 4.11        | -179.63               | -2,203.16                         | -7,144.83  | 7,504.86             | 7,496.43              | 8.43                    | 890.697           |                    |         |
| 800.00                  | 797.47              | 708.88              | 708.86              | 4.63            | 4.30        | -179.64               | -2,203.60                         | -7,145.36  | 7,521.37             | 7,512.44              | 8.93                    | 842.626           |                    |         |
| 900.00                  | 895.62              | 793.22              | 793.19              | 4.97            | 4.55        | -179.63               | -2,203.95                         | -7,146.25  | 7,541.56             | 7,532.06              | 9.50                    | 793.858           |                    |         |
| 924.00                  | 919.08              | 815.05              | 815.01              | 5.06            | 4.61        | -179.63               | -2,204.05                         | -7,146.51  | 7,546.94             | 7,537.29              | 9.65                    | 781.836           |                    |         |
| 1,000.00                | 993.28              | 884.07              | 884.03              | 5.34            | 4.83        | -179.64               | -2,204.51                         | -7,147.29  | 7,564.31             | 7,554.18              | 10.13                   | 746.851           |                    |         |
| 1,100.00                | 1,090.92            | 974.69              | 974.65              | 5.73            | 5.13        | -179.64               | -2,205.08                         | -7,148.40  | 7,587.24             | 7,576.46              | 10.78                   | 703.791           |                    |         |
| 1,200.00                | 1,188.56            | 1,019.14            | 1,019.09            | 6.15            | 5.27        | -179.64               | -2,205.00                         | -7,149.25  | 7,610.57             | 7,599.27              | 11.30                   | 673.738           |                    |         |
| 1,300.00                | 1,286.19            | 1,061.00            | 1,060.93            | 6.57            | 5.42        | -179.63               | -2,204.53                         | -7,150.45  | 7,634.54             | 7,622.73              | 11.82                   | 646.127           |                    |         |
| 1,400.00                | 1,383.83            | 1,108.45            | 1,108.33            | 7.01            | 5.58        | -179.62               | -2,203.58                         | -7,152.27  | 7,659.18             | 7,646.82              | 12.36                   | 619.484           |                    |         |
| 1,500.00                | 1,481.47            | 1,153.00            | 1,152.81            | 7.46            | 5.73        | -179.61               | -2,202.31                         | -7,154.44  | 7,684.50             | 7,671.59              | 12.91                   | 595.224           |                    |         |
| 1,600.00                | 1,579.10            | 1,195.60            | 1,195.30            | 7.91            | 5.88        | -179.59               | -2,200.71                         | -7,156.95  | 7,710.49             | 7,697.03              | 13.46                   | 572.945           |                    |         |
| 1,700.00                | 1,676.74            | 1,248.00            | 1,247.51            | 8.37            | 6.07        | -179.56               | -2,198.14                         | -7,160.61  | 7,737.15             | 7,723.10              | 14.05                   | 550.808           |                    |         |
| 1,800.00                | 1,774.38            | 1,248.00            | 1,247.51            | 8.84            | 6.07        | -179.56               | -2,198.14                         | -7,160.61  | 7,764.61             | 7,750.17              | 14.44                   | 537.561           |                    |         |
| 1,900.00                | 1,872.02            | 1,304.63            | 1,303.84            | 9.31            | 6.28        | -179.53               | -2,194.80                         | -7,165.42  | 7,792.63             | 7,777.57              | 15.06                   | 517.463           |                    |         |
| 2,000.00                | 1,969.65            | 1,343.00            | 1,341.94            | 9.79            | 6.42        | -179.50               | -2,192.31                         | -7,169.25  | 7,821.59             | 7,805.98              | 15.61                   | 501.144           |                    |         |
| 2,100.00                | 2,067.29            | 1,381.19            | 1,379.80            | 10.27           | 6.57        | -179.47               | -2,189.62                         | -7,173.41  | 7,851.25             | 7,835.09              | 16.16                   | 485.874           |                    |         |
| 2,200.00                | 2,164.93            | 1,438.00            | 1,436.04            | 10.75           | 6.79        | -179.43               | -2,185.15                         | -7,180.06  | 7,881.48             | 7,864.69              | 16.79                   | 469.428           |                    |         |
| 2,300.00                | 2,262.56            | 1,503.42            | 1,500.72            | 11.24           | 7.06        | -179.37               | -2,179.57                         | -7,188.15  | 7,912.15             | 7,894.68              | 17.46                   | 453.056           |                    |         |
| 2,400.00                | 2,360.20            | 1,589.66            | 1,585.93            | 11.73           | 7.42        | -179.29               | -2,171.92                         | -7,199.04  | 7,943.01             | 7,924.78              | 18.24                   | 435.537           |                    |         |
| 2,500.00                | 2,457.84            | 1,667.82            | 1,663.15            | 12.22           | 7.76        | -179.22               | -2,165.08                         | -7,208.95  | 7,973.99             | 7,955.00              | 18.98                   | 420.032           |                    |         |
| 2,600.00                | 2,555.48            | 1,765.46            | 1,759.69            | 12.71           | 8.19        | -179.14               | -2,157.38                         | -7,221.37  | 8,005.23             | 7,985.40              | 19.83                   | 403.731           |                    |         |
| 2,700.00                | 2,653.11            | 1,866.25            | 1,859.45            | 13.20           | 8.65        | -179.06               | -2,149.84                         | -7,233.68  | 8,036.11             | 8,015.42              | 20.69                   | 388.319           |                    |         |
| 2,800.00                | 2,750.75            | 1,965.30            | 1,947.63            | 13.70           | 9.05        | -179.00               | -2,144.04                         | -7,244.58  | 8,067.29             | 8,045.78              | 21.51                   | 375.033           |                    |         |
| 2,900.00                | 2,848.39            | 2,074.26            | 2,065.54            | 14.19           | 9.60        | -178.92               | -2,136.74                         | -7,258.61  | 8,098.16             | 8,075.68              | 22.48                   | 360.305           |                    |         |
| 3,000.00                | 2,946.02            | 2,161.92            | 2,152.35            | 14.69           | 10.02       | -178.86               | -2,130.63                         | -7,269.12  | 8,129.02             | 8,105.72              | 23.30                   | 348.916           |                    |         |
| 3,100.00                | 3,043.66            | 2,277.51            | 2,266.74            | 15.19           | 10.57       | -178.77               | -2,121.82                         | -7,283.19  | 8,159.90             | 8,135.63              | 24.26                   | 336.283           |                    |         |
| 3,200.00                | 3,141.30            | 2,424.40            | 2,412.17            | 15.69           | 11.28       | -178.66               | -2,110.32                         | -7,300.39  | 8,190.29             | 8,164.90              | 25.40                   | 322.489           |                    |         |
| 3,300.00                | 3,238.94            | 2,546.61            | 2,533.21            | 16.19           | 11.87       | -178.57               | -2,100.54                         | -7,314.07  | 8,220.18             | 8,193.76              | 26.41                   | 311.228           |                    |         |
| 3,400.00                | 3,336.57            | 2,635.02            | 2,620.76            | 16.69           | 12.30       | -178.50               | -2,093.15                         | -7,323.95  | 8,249.98             | 8,222.72              | 27.26                   | 302.652           |                    |         |
| 3,500.00                | 3,434.21            | 2,707.73            | 2,692.79            | 17.19           | 12.65       | -178.45               | -2,087.48                         | -7,332.10  | 8,279.97             | 8,251.94              | 28.03                   | 295.434           |                    |         |
| 3,600.00                | 3,531.85            | 2,767.00            | 2,751.49            | 17.69           | 12.95       | -178.40               | -2,082.95                         | -7,338.91  | 8,310.29             | 8,281.57              | 28.72                   | 289.313           |                    |         |
| 3,700.00                | 3,629.48            | 2,838.99            | 2,822.75            | 18.20           | 13.30       | -178.35               | -2,077.39                         | -7,347.47  | 8,340.95             | 8,311.46              | 29.49                   | 282.842           |                    |         |
| 3,800.00                | 3,727.12            | 2,917.90            | 2,900.81            | 18.70           | 13.70       | -178.29               | -2,071.08                         | -7,357.16  | 8,371.90             | 8,341.60              | 30.29                   | 276.354           |                    |         |
| 3,900.00                | 3,824.76            | 3,032.69            | 3,014.36            | 19.21           | 14.28       | -178.21               | -2,061.91                         | -7,371.27  | 8,402.88             | 8,371.59              | 31.29                   | 268.543           |                    |         |
| 4,000.00                | 3,922.40            | 3,146.77            | 3,127.32            | 19.71           | 14.85       | -178.13               | -2,053.36                         | -7,384.76  | 8,433.56             | 8,401.28              | 32.28                   | 261.234           |                    |         |
| 4,100.00                | 4,020.03            | 3,199.30            | 3,179.30            | 20.21           | 15.11       | -178.09               | -2,049.28                         | -7,391.10  | 8,464.40             | 8,431.45              | 32.95                   | 256.890           |                    |         |
| 4,200.00                | 4,117.67            | 3,286.89            | 3,265.95            | 20.72           | 15.56       | -178.03               | -2,042.63                         | -7,402.04  | 8,495.67             | 8,461.87              | 33.80                   | 251.331           |                    |         |
| 4,300.00                | 4,215.31            | 3,300.00            | 3,463.91            | 21.23           | 20.56       | -177.91               | -2,030.61                         | -7,424.73  | 8,526.40             | 8,487.38              | 39.02                   | 218.508           |                    |         |
| 4,400.00                | 4,312.94            | 3,680.63            | 3,656.61            | 21.73           | 17.50       | -177.80               | -2,017.64                         | -7,444.21  | 8,555.47             | 8,518.81              | 36.66                   | 233.361           |                    |         |
| 4,500.00                | 4,410.58            | 3,783.84            | 3,758.99            | 22.24           | 18.01       | -177.73               | -2,009.54                         | -7,454.39  | 8,584.30             | 8,546.70              | 37.60                   | 228.292           |                    |         |
| 4,600.00                | 4,508.22            | 3,936.07            | 3,910.00            | 22.75           | 18.76       | -177.63               | -1,996.89                         | -7,468.87  | 8,612.63             | 8,573.82              | 38.81                   | 221.920           |                    |         |
| 4,700.00                | 4,605.86            | 4,002.00            | 3,975.35            | 23.25           | 19.09       | -177.58               | -1,990.97                         | -7,475.36  | 8,641.13             | 8,601.57              | 39.56                   | 218.448           |                    |         |
| 4,800.00                | 4,703.49            | 4,039.97            | 4,012.96            | 23.76           | 19.29       | -177.56               | -1,987.53                         | -7,479.30  | 8,670.07             | 8,629.92              | 40.15                   | 215.930           |                    |         |
| 4,900.00                | 4,801.13            | 4,099.15            | 4,071.53            | 24.27           | 19.59       | -177.51               | -1,982.00                         | -7,485.71  | 8,699.47             | 8,658.61              | 40.86                   | 212.896           |                    |         |
| 5,000.00                | 4,898.77            | 4,234.88            | 4,205.84            | 24.77           | 20.28       | -177.41               | -1,968.94                         | -7,500.25  | 8,728.65             | 8,686.65              | 42.00                   | 207.821           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                | 4,996.40            | 4,317.02            | 4,287.24            | 25.28           | 20.69       | -177.35               | -1,962.04                         | -7,508.82  | 8,757.92             | 8,715.09              | 42.84                   | 204.451           |                    |         |
| 5,200.00                | 5,094.04            | 4,413.29            | 4,382.73            | 25.79           | 21.18       | -177.29               | -1,954.81                         | -7,518.64  | 8,787.21             | 8,743.47              | 43.74                   | 200.876           |                    |         |
| 5,300.00                | 5,191.68            | 4,592.11            | 4,560.43            | 26.30           | 22.05       | -177.21               | -1,944.19                         | -7,535.50  | 8,816.26             | 8,771.18              | 45.09                   | 195.542           |                    |         |
| 5,400.00                | 5,289.32            | 4,649.50            | 4,617.56            | 26.81           | 22.32       | -177.19               | -1,941.87                         | -7,540.42  | 8,844.89             | 8,799.12              | 45.77                   | 193.251           |                    |         |
| 5,500.00                | 5,386.95            | 5,252.31            | 5,219.25            | 27.32           | 24.95       | -177.11               | -1,931.27                         | -7,571.58  | 8,870.52             | 8,821.40              | 49.12                   | 180.595           |                    |         |
| 5,600.00                | 5,484.59            | 5,341.94            | 5,308.86            | 27.83           | 25.31       | -177.11               | -1,930.72                         | -7,573.42  | 8,893.88             | 8,843.94              | 49.95                   | 178.067           |                    |         |
| 5,700.00                | 5,582.23            | 5,450.77            | 5,417.67            | 28.33           | 25.76       | -177.11               | -1,930.16                         | -7,575.60  | 8,917.24             | 8,866.37              | 50.86                   | 175.316           |                    |         |
| 5,800.00                | 5,679.87            | 5,557.11            | 5,524.00            | 28.84           | 26.19       | -177.12               | -1,930.21                         | -7,577.38  | 8,940.41             | 8,888.64              | 51.77                   | 172.707           |                    |         |
| 5,900.00                | 5,777.50            | 5,644.52            | 5,611.39            | 29.35           | 26.54       | -177.12               | -1,930.48                         | -7,578.86  | 8,963.65             | 8,911.07              | 52.58                   | 170.474           |                    |         |
| 6,000.00                | 5,875.14            | 5,743.69            | 5,710.55            | 29.86           | 26.94       | -177.12               | -1,930.32                         | -7,580.68  | 8,986.93             | 8,933.47              | 53.45                   | 168.128           |                    |         |
| 6,100.00                | 5,972.78            | 5,848.73            | 5,815.57            | 30.37           | 27.37       | -177.13               | -1,930.20                         | -7,582.54  | 9,010.15             | 8,955.80              | 54.35                   | 165.766           |                    |         |
| 6,200.00                | 6,070.41            | 5,940.48            | 5,907.30            | 30.88           | 27.75       | -177.13               | -1,929.97                         | -7,584.13  | 9,033.31             | 8,978.12              | 55.19                   | 163.663           |                    |         |
| 6,300.00                | 6,168.05            | 6,024.64            | 5,991.45            | 31.39           | 28.10       | -177.13               | -1,929.99                         | -7,585.70  | 9,056.66             | 9,000.66              | 56.00                   | 161.730           |                    |         |
| 6,400.00                | 6,265.69            | 6,207.43            | 6,174.22            | 31.90           | 28.83       | -177.15               | -1,930.69                         | -7,588.20  | 9,079.67             | 9,022.41              | 57.26                   | 158.575           |                    |         |
| 6,439.09                | 6,303.85            | 6,235.35            | 6,202.13            | 32.10           | 28.94       | -177.15               | -1,930.84                         | -7,588.44  | 9,088.47             | 9,030.92              | 57.55                   | 157.930           |                    |         |
| 6,450.00                | 6,314.53            | 6,243.15            | 6,209.94            | 32.16           | 28.98       | -175.62               | -1,930.88                         | -7,588.51  | 9,090.85             | 9,033.22              | 57.63                   | 157.751           |                    |         |
| 6,500.00                | 6,363.83            | 6,282.00            | 6,248.78            | 32.39           | 29.13       | -164.01               | -1,931.09                         | -7,588.90  | 9,099.51             | 9,041.51              | 58.00                   | 156.879           |                    |         |
| 6,550.00                | 6,413.58            | 6,342.16            | 6,308.94            | 32.60           | 29.37       | -131.34               | -1,931.44                         | -7,589.51  | 9,104.42             | 9,045.95              | 58.47                   | 155.722           |                    |         |
| 6,600.00                | 6,463.45            | 6,395.50            | 6,362.27            | 32.79           | 29.58       | -70.50                | -1,931.85                         | -7,589.94  | 9,105.47             | 9,046.59              | 58.88                   | 154.650           |                    |         |
| 6,650.00                | 6,513.15            | 6,428.47            | 6,395.24            | 32.97           | 29.71       | -43.08                | -1,932.52                         | -7,590.13  | 9,102.77             | 9,043.60              | 59.17                   | 153.832           |                    |         |
| 6,700.00                | 6,562.37            | 6,442.00            | 6,408.76            | 33.15           | 29.76       | -33.24                | -1,932.98                         | -7,590.18  | 9,096.43             | 9,037.06              | 59.36                   | 153.232           |                    |         |
| 6,750.00                | 6,610.80            | 6,473.00            | 6,439.71            | 33.34           | 29.87       | -28.68                | -1,934.68                         | -7,590.27  | 9,086.51             | 9,026.90              | 59.61                   | 152.429           |                    |         |
| 6,800.00                | 6,658.14            | 6,473.00            | 6,439.71            | 33.53           | 29.87       | -26.23                | -1,934.68                         | -7,590.27  | 9,073.08             | 9,013.38              | 59.71                   | 151.958           |                    |         |
| 6,850.00                | 6,704.11            | 6,505.00            | 6,471.57            | 33.74           | 29.99       | -24.93                | -1,937.64                         | -7,590.27  | 9,056.23             | 8,996.31              | 59.92                   | 151.130           |                    |         |
| 6,900.00                | 6,748.42            | 6,505.00            | 6,471.57            | 33.97           | 29.99       | -24.25                | -1,937.64                         | -7,590.27  | 9,036.03             | 8,976.04              | 59.99                   | 150.631           |                    |         |
| 6,950.00                | 6,790.79            | 6,519.92            | 6,486.38            | 34.21           | 30.04       | -24.07                | -1,939.47                         | -7,590.24  | 9,012.62             | 8,952.52              | 60.10                   | 149.962           |                    |         |
| 7,000.00                | 6,830.97            | 6,537.00            | 6,503.28            | 34.48           | 30.10       | -24.30                | -1,941.92                         | -7,590.20  | 8,986.13             | 8,925.93              | 60.21                   | 149.253           |                    |         |
| 7,050.00                | 6,868.71            | 6,537.00            | 6,503.28            | 34.77           | 30.10       | -24.83                | -1,941.92                         | -7,590.20  | 8,956.69             | 8,896.46              | 60.23                   | 148.700           |                    |         |
| 7,100.00                | 6,903.77            | 6,537.00            | 6,503.28            | 35.09           | 30.10       | -25.71                | -1,941.92                         | -7,590.20  | 8,924.50             | 8,864.25              | 60.25                   | 148.123           |                    |         |
| 7,150.00                | 6,935.93            | 6,551.81            | 6,517.89            | 35.44           | 30.14       | -27.03                | -1,944.36                         | -7,590.17  | 8,889.68             | 8,829.36              | 60.32                   | 147.372           |                    |         |
| 7,200.00                | 6,965.01            | 6,569.00            | 6,534.79            | 35.83           | 30.20       | -28.84                | -1,947.53                         | -7,590.17  | 8,852.51             | 8,792.11              | 60.40                   | 146.568           |                    |         |
| 7,250.00                | 6,990.82            | 6,569.00            | 6,534.79            | 36.26           | 30.20       | -31.12                | -1,947.53                         | -7,590.17  | 8,813.08             | 8,752.68              | 60.40                   | 145.902           |                    |         |
| 7,300.00                | 7,013.20            | 6,569.00            | 6,534.79            | 36.72           | 30.20       | -34.11                | -1,947.53                         | -7,590.17  | 8,771.69             | 8,711.28              | 60.41                   | 145.202           |                    |         |
| 7,350.00                | 7,032.02            | 6,569.00            | 6,534.79            | 37.23           | 30.20       | -38.04                | -1,947.53                         | -7,590.17  | 8,728.57             | 8,668.15              | 60.42                   | 144.465           |                    |         |
| 7,400.00                | 7,047.15            | 6,569.00            | 6,534.79            | 37.77           | 30.20       | -43.25                | -1,947.53                         | -7,590.17  | 8,683.95             | 8,623.52              | 60.44                   | 143.689           |                    |         |
| 7,450.00                | 7,058.51            | 6,569.00            | 6,534.79            | 38.34           | 30.20       | -50.22                | -1,947.53                         | -7,590.17  | 8,638.10             | 8,577.64              | 60.46                   | 142.874           |                    |         |
| 7,500.00                | 7,066.02            | 6,569.00            | 6,534.79            | 38.95           | 30.20       | -59.50                | -1,947.53                         | -7,590.17  | 8,591.28             | 8,530.79              | 60.49                   | 142.020           |                    |         |
| 7,550.00                | 7,069.64            | 6,569.00            | 6,534.79            | 39.58           | 30.20       | -71.57                | -1,947.53                         | -7,590.17  | 8,543.76             | 8,483.22              | 60.54                   | 141.126           |                    |         |
| 7,571.20                | 7,070.00            | 6,569.00            | 6,534.79            | 39.85           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 8,523.48             | 8,462.91              | 60.56                   | 140.735           |                    |         |
| 7,600.00                | 7,070.00            | 6,569.00            | 6,534.79            | 40.23           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 8,495.87             | 8,435.27              | 60.60                   | 140.200           |                    |         |
| 7,700.00                | 7,070.01            | 6,569.00            | 6,534.79            | 41.64           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 8,400.11             | 8,339.37              | 60.73                   | 138.312           |                    |         |
| 7,800.00                | 7,070.02            | 6,569.00            | 6,534.79            | 43.20           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 8,304.44             | 8,243.54              | 60.90                   | 136.369           |                    |         |
| 7,900.00                | 7,070.03            | 6,569.00            | 6,534.79            | 44.89           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 8,208.87             | 8,147.78              | 61.09                   | 134.373           |                    |         |
| 8,000.00                | 7,070.04            | 6,569.00            | 6,534.79            | 46.69           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 8,113.42             | 8,052.10              | 61.32                   | 132.323           |                    |         |
| 8,100.00                | 7,070.05            | 6,569.00            | 6,534.79            | 48.60           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 8,018.07             | 7,956.50              | 61.57                   | 130.220           |                    |         |
| 8,200.00                | 7,070.05            | 6,569.00            | 6,534.79            | 50.59           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,922.84             | 7,860.97              | 61.87                   | 128.066           |                    |         |
| 8,300.00                | 7,070.06            | 6,569.00            | 6,534.79            | 52.66           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,827.73             | 7,765.53              | 62.19                   | 125.862           |                    |         |
| 8,400.00                | 7,070.07            | 6,569.00            | 6,534.79            | 54.81           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,732.74             | 7,670.18              | 62.56                   | 123.610           |                    |         |
| 8,500.00                | 7,070.08            | 6,569.00            | 6,534.79            | 57.02           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,637.87             | 7,574.91              | 62.96                   | 121.312           |                    |         |
| 8,600.00                | 7,070.09            | 6,569.00            | 6,534.79            | 59.28           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,543.15             | 7,479.74              | 63.40                   | 118.970           |                    |         |
| 8,700.00                | 7,070.10            | 6,569.00            | 6,534.79            | 61.60           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,448.55             | 7,384.67              | 63.89                   | 116.588           |                    |         |
| 8,800.00                | 7,070.11            | 6,569.00            | 6,534.79            | 63.95           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,354.11             | 7,289.69              | 64.41                   | 114.169           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                | 7,070.12            | 6,569.00            | 6,534.79            | 66.35           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,259.81             | 7,194.82              | 64.98                   | 111.715           |                    |         |
| 9,000.00                | 7,070.13            | 6,569.00            | 6,534.79            | 68.79           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,165.66             | 7,100.06              | 65.60                   | 109.232           |                    |         |
| 9,100.00                | 7,070.13            | 6,569.00            | 6,534.79            | 71.25           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 7,071.68             | 7,005.42              | 66.26                   | 106.722           |                    |         |
| 9,200.00                | 7,070.14            | 6,569.00            | 6,534.79            | 73.74           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,977.86             | 6,910.89              | 66.97                   | 104.191           |                    |         |
| 9,300.00                | 7,070.15            | 6,569.00            | 6,534.79            | 76.26           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,884.22             | 6,816.49              | 67.73                   | 101.641           |                    |         |
| 9,400.00                | 7,070.16            | 6,569.00            | 6,534.79            | 78.80           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,790.76             | 6,722.22              | 68.54                   | 99.078            |                    |         |
| 9,500.00                | 7,070.17            | 6,569.00            | 6,534.79            | 81.37           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,697.49             | 6,628.09              | 69.40                   | 96.506            |                    |         |
| 9,600.00                | 7,070.18            | 6,569.00            | 6,534.79            | 83.95           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,604.41             | 6,534.10              | 70.31                   | 93.929            |                    |         |
| 9,700.00                | 7,070.19            | 6,569.00            | 6,534.79            | 86.55           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,511.54             | 6,440.26              | 71.28                   | 91.351            |                    |         |
| 9,800.00                | 7,070.20            | 6,569.00            | 6,534.79            | 89.17           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,418.88             | 6,346.58              | 72.30                   | 88.778            |                    |         |
| 9,900.00                | 7,070.21            | 6,569.00            | 6,534.79            | 91.80           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,326.45             | 6,253.07              | 73.38                   | 86.212            |                    |         |
| 10,000.00               | 7,070.21            | 6,569.00            | 6,534.79            | 94.44           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,234.25             | 6,159.73              | 74.52                   | 83.658            |                    |         |
| 10,100.00               | 7,070.22            | 6,569.00            | 6,534.79            | 97.10           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,142.30             | 6,066.58              | 75.72                   | 81.121            |                    |         |
| 10,200.00               | 7,070.23            | 6,569.00            | 6,534.79            | 99.77           | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 6,050.60             | 5,973.62              | 76.98                   | 78.603            |                    |         |
| 10,300.00               | 7,070.24            | 6,569.00            | 6,534.79            | 102.44          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,959.17             | 5,880.87              | 78.30                   | 76.108            |                    |         |
| 10,400.00               | 7,070.25            | 6,569.00            | 6,534.79            | 105.13          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,868.01             | 5,788.33              | 79.68                   | 73.641            |                    |         |
| 10,500.00               | 7,070.26            | 6,569.00            | 6,534.79            | 107.83          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,777.15             | 5,696.02              | 81.14                   | 71.203            |                    |         |
| 10,600.00               | 7,070.27            | 6,569.00            | 6,534.79            | 110.53          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,686.60             | 5,603.94              | 82.66                   | 68.798            |                    |         |
| 10,700.00               | 7,070.28            | 6,569.00            | 6,534.79            | 113.24          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,596.37             | 5,512.12              | 84.25                   | 66.428            |                    |         |
| 10,800.00               | 7,070.28            | 6,569.00            | 6,534.79            | 115.96          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,506.47             | 5,420.56              | 85.91                   | 64.096            |                    |         |
| 10,900.00               | 7,070.29            | 6,569.00            | 6,534.79            | 118.69          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,416.93             | 5,329.29              | 87.65                   | 61.805            |                    |         |
| 11,000.00               | 7,070.30            | 6,569.00            | 6,534.79            | 121.42          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,327.77             | 5,238.31              | 89.46                   | 59.556            |                    |         |
| 11,100.00               | 7,070.31            | 6,569.00            | 6,534.79            | 124.16          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,238.99             | 5,147.64              | 91.35                   | 57.352            |                    |         |
| 11,200.00               | 7,070.32            | 6,569.00            | 6,534.79            | 126.90          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,150.62             | 5,057.30              | 93.32                   | 55.193            |                    |         |
| 11,300.00               | 7,070.33            | 6,569.00            | 6,534.79            | 129.65          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 5,062.69             | 4,967.32              | 95.38                   | 53.081            |                    |         |
| 11,400.00               | 7,070.34            | 6,569.00            | 6,534.79            | 132.40          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,975.22             | 4,877.70              | 97.52                   | 51.019            |                    |         |
| 11,500.00               | 7,070.35            | 6,569.00            | 6,534.79            | 135.16          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,888.22             | 4,788.47              | 99.75                   | 49.006            |                    |         |
| 11,600.00               | 7,070.36            | 6,569.00            | 6,534.79            | 137.92          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,801.73             | 4,699.66              | 102.07                  | 47.043            |                    |         |
| 11,700.00               | 7,070.36            | 6,569.00            | 6,534.79            | 140.69          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,715.77             | 4,611.29              | 104.49                  | 45.132            |                    |         |
| 11,800.00               | 7,070.37            | 6,569.00            | 6,534.79            | 143.46          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,630.38             | 4,523.38              | 107.00                  | 43.273            |                    |         |
| 11,900.00               | 7,070.38            | 6,569.00            | 6,534.79            | 146.23          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,545.59             | 4,435.97              | 109.62                  | 41.467            |                    |         |
| 12,000.00               | 7,070.39            | 6,569.00            | 6,534.79            | 149.01          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,461.42             | 4,349.08              | 112.34                  | 39.713            |                    |         |
| 12,100.00               | 7,070.40            | 6,569.00            | 6,534.79            | 151.79          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,377.92             | 4,262.75              | 115.17                  | 38.013            |                    |         |
| 12,200.00               | 7,070.41            | 6,569.00            | 6,534.79            | 154.57          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,295.13             | 4,177.02              | 118.11                  | 36.366            |                    |         |
| 12,300.00               | 7,070.42            | 6,569.00            | 6,534.79            | 157.35          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,213.08             | 4,091.91              | 121.16                  | 34.771            |                    |         |
| 12,400.00               | 7,070.43            | 6,569.00            | 6,534.79            | 160.14          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,131.82             | 4,007.48              | 124.34                  | 33.231            |                    |         |
| 12,500.00               | 7,070.44            | 6,569.00            | 6,534.79            | 162.93          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 4,051.40             | 3,923.77              | 127.63                  | 31.743            |                    |         |
| 12,600.00               | 7,070.44            | 6,569.00            | 6,534.79            | 165.72          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,971.87             | 3,840.82              | 131.05                  | 30.308            |                    |         |
| 12,700.00               | 7,070.45            | 6,569.00            | 6,534.79            | 168.52          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,893.29             | 3,758.69              | 134.60                  | 28.925            |                    |         |
| 12,800.00               | 7,070.46            | 6,569.00            | 6,534.79            | 171.32          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,815.71             | 3,677.43              | 138.28                  | 27.594            |                    |         |
| 12,900.00               | 7,070.47            | 6,569.00            | 6,534.79            | 174.11          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,739.19             | 3,597.10              | 142.09                  | 26.315            |                    |         |
| 13,000.00               | 7,070.48            | 6,569.00            | 6,534.79            | 176.92          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,663.80             | 3,517.76              | 146.04                  | 25.088            |                    |         |
| 13,100.00               | 7,070.49            | 6,569.00            | 6,534.79            | 179.72          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,589.62             | 3,439.50              | 150.13                  | 23.911            |                    |         |
| 13,200.00               | 7,070.50            | 6,569.00            | 6,534.79            | 182.52          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,516.72             | 3,362.37              | 154.35                  | 22.784            |                    |         |
| 13,300.00               | 7,070.51            | 6,569.00            | 6,534.79            | 185.33          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,445.17             | 3,286.46              | 158.72                  | 21.706            |                    |         |
| 13,400.00               | 7,070.52            | 6,569.00            | 6,534.79            | 188.14          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,375.08             | 3,211.85              | 163.22                  | 20.678            |                    |         |
| 13,500.00               | 7,070.52            | 6,569.00            | 6,534.79            | 190.95          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,306.52             | 3,138.65              | 167.86                  | 19.698            |                    |         |
| 13,600.00               | 7,070.53            | 6,569.00            | 6,534.79            | 193.76          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,239.60             | 3,066.95              | 172.64                  | 18.765            |                    |         |
| 13,700.00               | 7,070.54            | 6,569.00            | 6,534.79            | 196.57          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,174.41             | 2,996.86              | 177.55                  | 17.879            |                    |         |
| 13,800.00               | 7,070.55            | 6,569.00            | 6,534.79            | 199.38          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,111.08             | 2,928.50              | 182.58                  | 17.039            |                    |         |
| 13,900.00               | 7,070.56            | 6,569.00            | 6,534.79            | 202.20          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 3,049.71             | 2,861.98              | 187.73                  | 16.245            |                    |         |
| 14,000.00               | 7,070.57            | 6,569.00            | 6,534.79            | 205.01          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,990.43             | 2,797.44              | 192.99                  | 15.495            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00               | 7,070.58            | 6,569.00            | 6,534.79            | 207.83          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,933.35             | 2,735.02              | 198.34                  | 14.790            |                    |         |
| 14,200.00               | 7,070.59            | 6,569.00            | 6,534.79            | 210.65          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,878.63             | 2,674.86              | 203.77                  | 14.127            |                    |         |
| 14,300.00               | 7,070.60            | 6,569.00            | 6,534.79            | 213.47          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,826.38             | 2,617.12              | 209.26                  | 13.507            |                    |         |
| 14,400.00               | 7,070.60            | 6,569.00            | 6,534.79            | 216.29          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,776.75             | 2,561.96              | 214.79                  | 12.928            |                    |         |
| 14,500.00               | 7,070.61            | 6,569.00            | 6,534.79            | 219.11          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,729.88             | 2,509.54              | 220.34                  | 12.389            |                    |         |
| 14,600.00               | 7,070.62            | 6,569.00            | 6,534.79            | 221.94          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,685.92             | 2,460.04              | 225.88                  | 11.891            |                    |         |
| 14,700.00               | 7,070.63            | 6,569.00            | 6,534.79            | 224.76          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,645.01             | 2,413.64              | 231.37                  | 11.432            |                    |         |
| 14,800.00               | 7,070.64            | 6,569.00            | 6,534.79            | 227.58          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,607.30             | 2,370.51              | 236.79                  | 11.011            |                    |         |
| 14,900.00               | 7,070.65            | 6,569.00            | 6,534.79            | 230.41          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,572.92             | 2,330.82              | 242.10                  | 10.627            |                    |         |
| 15,000.00               | 7,070.66            | 6,569.00            | 6,534.79            | 233.24          | 30.20       | -77.51                | -1,947.53                         | -7,590.17  | 2,542.01             | 2,294.75              | 247.27                  | 10.280            |                    |         |
| 15,100.00               | 7,070.67            | 6,580.35            | 6,545.90            | 236.06          | 30.24       | -77.78                | -1,949.84                         | -7,590.19  | 2,514.60             | 2,262.07              | 252.53                  | 9.958             |                    |         |
| 15,200.00               | 7,070.68            | 6,580.42            | 6,545.97            | 238.89          | 30.24       | -77.78                | -1,949.86                         | -7,590.19  | 2,491.00             | 2,233.71              | 257.29                  | 9.682             |                    |         |
| 15,300.00               | 7,070.68            | 6,580.49            | 6,546.03            | 241.72          | 30.24       | -77.78                | -1,949.87                         | -7,590.19  | 2,471.24             | 2,209.45              | 261.79                  | 9.440             |                    |         |
| 15,400.00               | 7,070.69            | 6,580.56            | 6,546.10            | 244.55          | 30.24       | -77.78                | -1,949.89                         | -7,590.19  | 2,455.39             | 2,189.40              | 265.99                  | 9.231             |                    |         |
| 15,500.00               | 7,070.70            | 6,580.63            | 6,546.17            | 247.38          | 30.24       | -77.78                | -1,949.90                         | -7,590.19  | 2,443.53             | 2,173.67              | 269.86                  | 9.055             |                    |         |
| 15,600.00               | 7,070.71            | 6,580.71            | 6,546.25            | 250.21          | 30.24       | -77.79                | -1,949.92                         | -7,590.19  | 2,435.73             | 2,162.35              | 273.37                  | 8.910             |                    |         |
| 15,700.00               | 7,070.72            | 6,580.78            | 6,546.32            | 253.04          | 30.24       | -77.79                | -1,949.93                         | -7,590.19  | 2,432.01             | 2,155.52              | 276.49                  | 8.796             |                    |         |
| 15,740.43               | 7,070.72            | 6,580.81            | 6,546.35            | 254.19          | 30.24       | -77.79                | -1,949.94                         | -7,590.19  | 2,431.67             | 2,154.03              | 277.64                  | 8.758 CC          |                    |         |
| 15,800.00               | 7,070.73            | 6,580.85            | 6,546.39            | 255.87          | 30.24       | -77.79                | -1,949.95                         | -7,590.19  | 2,432.40             | 2,153.19              | 279.21                  | 8.712 ES          |                    |         |
| 15,900.00               | 7,070.74            | 6,580.93            | 6,546.46            | 258.71          | 30.24       | -77.79                | -1,949.97                         | -7,590.19  | 2,436.90             | 2,155.39              | 281.51                  | 8.657             |                    |         |
| 16,000.00               | 7,070.75            | 6,581.00            | 6,546.54            | 261.54          | 30.24       | -77.79                | -1,949.98                         | -7,590.19  | 2,445.49             | 2,162.11              | 283.38                  | 8.630 SF          |                    |         |
| 16,100.00               | 7,070.76            | 6,581.08            | 6,546.61            | 264.37          | 30.24       | -77.79                | -1,950.00                         | -7,590.19  | 2,458.12             | 2,173.28              | 284.83                  | 8.630             |                    |         |
| 16,200.00               | 7,070.76            | 6,581.16            | 6,546.69            | 267.21          | 30.24       | -77.80                | -1,950.01                         | -7,590.19  | 2,474.72             | 2,188.86              | 285.86                  | 8.657             |                    |         |
| 16,300.00               | 7,070.77            | 6,581.23            | 6,546.76            | 270.04          | 30.24       | -77.80                | -1,950.03                         | -7,590.19  | 2,495.23             | 2,208.75              | 286.48                  | 8.710             |                    |         |
| 16,400.00               | 7,070.78            | 6,581.31            | 6,546.84            | 272.88          | 30.24       | -77.80                | -1,950.05                         | -7,590.19  | 2,519.54             | 2,232.83              | 286.71                  | 8.788             |                    |         |
| 16,500.00               | 7,070.79            | 6,581.39            | 6,546.91            | 275.71          | 30.24       | -77.80                | -1,950.06                         | -7,590.19  | 2,547.55             | 2,260.98              | 286.57                  | 8.890             |                    |         |
| 16,600.00               | 7,070.80            | 6,581.47            | 6,546.99            | 278.55          | 30.24       | -77.80                | -1,950.08                         | -7,590.19  | 2,579.13             | 2,293.05              | 286.08                  | 9.015             |                    |         |
| 16,700.00               | 7,070.81            | 6,581.55            | 6,547.07            | 281.39          | 30.24       | -77.81                | -1,950.10                         | -7,590.19  | 2,614.16             | 2,328.88              | 285.28                  | 9.164             |                    |         |
| 16,800.00               | 7,070.82            | 6,581.63            | 6,547.15            | 284.22          | 30.24       | -77.81                | -1,950.12                         | -7,590.19  | 2,652.49             | 2,368.31              | 284.19                  | 9.334             |                    |         |
| 16,900.00               | 7,070.83            | 6,581.71            | 6,547.23            | 287.06          | 30.24       | -77.81                | -1,950.13                         | -7,590.19  | 2,694.00             | 2,411.16              | 282.84                  | 9.525             |                    |         |
| 17,000.00               | 7,070.84            | 6,581.80            | 6,547.31            | 289.90          | 30.24       | -77.81                | -1,950.15                         | -7,590.19  | 2,738.53             | 2,457.28              | 281.26                  | 9.737             |                    |         |
| 17,100.00               | 7,070.84            | 6,581.88            | 6,547.39            | 292.74          | 30.24       | -77.81                | -1,950.17                         | -7,590.19  | 2,785.94             | 2,506.47              | 279.48                  | 9.968             |                    |         |
| 17,200.00               | 7,070.85            | 6,581.96            | 6,547.47            | 295.58          | 30.24       | -77.82                | -1,950.19                         | -7,590.19  | 2,836.09             | 2,558.56              | 277.52                  | 10.219            |                    |         |
| 17,300.00               | 7,070.86            | 6,582.05            | 6,547.56            | 298.42          | 30.24       | -77.82                | -1,950.20                         | -7,590.19  | 2,888.82             | 2,613.40              | 275.42                  | 10.489            |                    |         |
| 17,400.00               | 7,070.87            | 6,582.13            | 6,547.64            | 301.26          | 30.24       | -77.82                | -1,950.22                         | -7,590.19  | 2,944.01             | 2,670.81              | 273.21                  | 10.776            |                    |         |
| 17,500.00               | 7,070.88            | 6,582.22            | 6,547.73            | 304.10          | 30.24       | -77.82                | -1,950.24                         | -7,590.19  | 3,001.52             | 2,730.63              | 270.89                  | 11.080            |                    |         |
| 17,600.00               | 7,070.89            | 6,582.31            | 6,547.81            | 306.94          | 30.24       | -77.82                | -1,950.26                         | -7,590.19  | 3,061.21             | 2,792.72              | 268.49                  | 11.401            |                    |         |
| 17,700.00               | 7,070.90            | 6,582.40            | 6,547.90            | 309.78          | 30.24       | -77.83                | -1,950.28                         | -7,590.19  | 3,122.97             | 2,856.93              | 266.04                  | 11.739            |                    |         |
| 17,800.00               | 7,070.91            | 6,582.49            | 6,547.99            | 312.62          | 30.24       | -77.83                | -1,950.30                         | -7,590.19  | 3,186.67             | 2,923.12              | 263.55                  | 12.091            |                    |         |
| 17,900.00               | 7,070.92            | 6,582.58            | 6,548.07            | 315.46          | 30.24       | -77.83                | -1,950.32                         | -7,590.19  | 3,252.19             | 2,991.16              | 261.03                  | 12.459            |                    |         |
| 18,000.00               | 7,070.92            | 6,582.67            | 6,548.16            | 318.31          | 30.24       | -77.83                | -1,950.34                         | -7,590.19  | 3,319.44             | 3,060.94              | 258.50                  | 12.841            |                    |         |
| 18,100.00               | 7,070.93            | 6,582.76            | 6,548.25            | 321.15          | 30.25       | -77.83                | -1,950.36                         | -7,590.19  | 3,388.30             | 3,132.34              | 255.96                  | 13.238            |                    |         |
| 18,200.00               | 7,070.94            | 6,582.85            | 6,548.34            | 323.99          | 30.25       | -77.84                | -1,950.38                         | -7,590.19  | 3,458.69             | 3,205.25              | 253.44                  | 13.647            |                    |         |
| 18,300.00               | 7,070.95            | 6,582.95            | 6,548.44            | 326.83          | 30.25       | -77.84                | -1,950.40                         | -7,590.20  | 3,530.50             | 3,279.57              | 250.93                  | 14.070            |                    |         |
| 18,400.00               | 7,070.96            | 6,583.04            | 6,548.53            | 329.68          | 30.25       | -77.84                | -1,950.42                         | -7,590.20  | 3,603.66             | 3,355.22              | 248.44                  | 14.505            |                    |         |
| 18,500.00               | 7,070.97            | 6,583.14            | 6,548.62            | 332.52          | 30.25       | -77.84                | -1,950.44                         | -7,590.20  | 3,678.08             | 3,432.10              | 245.98                  | 14.953            |                    |         |
| 18,600.00               | 7,070.98            | 6,583.23            | 6,548.72            | 335.36          | 30.25       | -77.84                | -1,950.46                         | -7,590.20  | 3,753.69             | 3,510.13              | 243.56                  | 15.412            |                    |         |
| 18,700.00               | 7,070.99            | 6,583.33            | 6,548.81            | 338.21          | 30.25       | -77.85                | -1,950.48                         | -7,590.20  | 3,830.41             | 3,589.24              | 241.17                  | 15.882            |                    |         |
| 18,800.00               | 7,070.99            | 6,583.43            | 6,548.91            | 341.05          | 30.25       | -77.85                | -1,950.50                         | -7,590.20  | 3,908.19             | 3,669.36              | 238.83                  | 16.364            |                    |         |
| 18,858.54               | 7,071.00            | 6,583.49            | 6,548.96            | 342.72          | 30.25       | -77.85                | -1,950.51                         | -7,590.20  | 3,954.19             | 3,716.71              | 237.48                  | 16.651            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                    | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -107.17               | -2,197.19                         | -7,112.69  | 7,444.33             |                       |                         |                   |                    |         |
| 100.00                  | 100.00              | 112.67              | 112.67              | 3.28            | 3.29        | -107.17               | -2,197.38                         | -7,112.45  | 7,444.19             | 7,437.61              | 6.57                    | 1,132.357         |                    |         |
| 200.00                  | 200.00              | 203.36              | 203.36              | 3.34            | 3.33        | -107.17               | -2,197.86                         | -7,112.01  | 7,443.88             | 7,437.22              | 6.67                    | 1,116.601         |                    |         |
| 248.00                  | 248.00              | 238.00              | 238.00              | 3.38            | 3.36        | -107.18               | -2,198.16                         | -7,111.87  | 7,443.83             | 7,437.09              | 6.74                    | 1,104.250         |                    |         |
| 300.00                  | 300.00              | 262.37              | 262.36              | 3.44            | 3.38        | -107.18               | -2,198.39                         | -7,111.84  | 7,443.92             | 7,437.09              | 6.83                    | 1,090.191         |                    |         |
| 400.00                  | 399.98              | 306.11              | 306.11              | 3.60            | 3.43        | -179.68               | -2,198.77                         | -7,112.07  | 7,446.42             | 7,439.38              | 7.04                    | 1,058.263         |                    |         |
| 500.00                  | 499.84              | 451.58              | 451.56              | 3.80            | 3.67        | -179.69               | -2,200.21                         | -7,113.20  | 7,452.79             | 7,445.31              | 7.47                    | 997.464           |                    |         |
| 600.00                  | 599.45              | 580.84              | 580.81              | 4.04            | 3.96        | -179.70               | -2,202.00                         | -7,112.98  | 7,461.72             | 7,453.72              | 8.00                    | 932.758           |                    |         |
| 700.00                  | 698.70              | 712.47              | 712.43              | 4.32            | 4.31        | -179.71               | -2,203.50                         | -7,112.41  | 7,473.85             | 7,465.22              | 8.62                    | 866.555           |                    |         |
| 800.00                  | 797.47              | 795.18              | 795.13              | 4.63            | 4.55        | -179.72               | -2,204.73                         | -7,111.91  | 7,489.34             | 7,480.16              | 9.17                    | 816.363           |                    |         |
| 900.00                  | 895.62              | 938.45              | 938.38              | 4.97            | 5.01        | -179.74               | -2,206.80                         | -7,110.78  | 7,508.13             | 7,498.17              | 9.96                    | 753.784           |                    |         |
| 924.00                  | 919.08              | 988.36              | 988.27              | 5.06            | 5.17        | -179.74               | -2,207.46                         | -7,110.11  | 7,513.01             | 7,502.80              | 10.21                   | 735.516           |                    |         |
| 1,000.00                | 993.28              | 1,042.99            | 1,042.90            | 5.34            | 5.36        | -179.75               | -2,207.94                         | -7,109.49  | 7,528.80             | 7,518.14              | 10.66                   | 706.132           |                    |         |
| 1,100.00                | 1,090.92            | 1,126.35            | 1,126.26            | 5.73            | 5.65        | -179.76               | -2,208.31                         | -7,108.77  | 7,549.73             | 7,538.42              | 11.31                   | 667.497           |                    |         |
| 1,200.00                | 1,188.56            | 1,226.26            | 1,226.17            | 6.15            | 6.01        | -179.76               | -2,208.62                         | -7,108.07  | 7,570.78             | 7,558.74              | 12.04                   | 628.704           |                    |         |
| 1,300.00                | 1,286.19            | 1,310.95            | 1,310.85            | 6.57            | 6.32        | -179.76               | -2,208.93                         | -7,107.45  | 7,591.82             | 7,579.08              | 12.74                   | 595.953           |                    |         |
| 1,400.00                | 1,383.83            | 1,418.94            | 1,418.84            | 7.01            | 6.72        | -179.77               | -2,209.31                         | -7,106.84  | 7,613.01             | 7,599.47              | 13.54                   | 562.234           |                    |         |
| 1,500.00                | 1,481.47            | 1,522.85            | 1,522.75            | 7.46            | 7.12        | -179.77               | -2,209.29                         | -7,106.12  | 7,633.97             | 7,619.63              | 14.34                   | 532.384           |                    |         |
| 1,600.00                | 1,579.10            | 1,634.53            | 1,634.42            | 7.91            | 7.55        | -179.77               | -2,209.25                         | -7,105.26  | 7,654.85             | 7,639.67              | 15.18                   | 504.203           |                    |         |
| 1,700.00                | 1,676.74            | 1,709.09            | 1,708.98            | 8.37            | 7.84        | -179.78               | -2,209.25                         | -7,104.72  | 7,675.78             | 7,659.89              | 15.89                   | 483.091           |                    |         |
| 1,800.00                | 1,774.38            | 1,812.10            | 1,811.99            | 8.84            | 8.25        | -179.78               | -2,209.51                         | -7,104.05  | 7,696.86             | 7,680.14              | 16.72                   | 460.279           |                    |         |
| 1,900.00                | 1,872.02            | 1,869.25            | 1,869.13            | 9.31            | 8.47        | -179.78               | -2,209.72                         | -7,103.74  | 7,718.09             | 7,700.73              | 17.37                   | 444.443           |                    |         |
| 2,000.00                | 1,969.65            | 1,917.00            | 1,916.89            | 9.79            | 8.66        | -179.78               | -2,209.58                         | -7,103.87  | 7,739.90             | 7,721.93              | 17.97                   | 430.639           |                    |         |
| 2,100.00                | 2,067.29            | 1,981.75            | 1,981.63            | 10.27           | 8.90        | -179.78               | -2,208.93                         | -7,104.56  | 7,762.23             | 7,743.58              | 18.64                   | 416.376           |                    |         |
| 2,200.00                | 2,164.93            | 2,051.36            | 2,051.21            | 10.75           | 9.16        | -179.76               | -2,207.56                         | -7,105.86  | 7,784.99             | 7,765.66              | 19.33                   | 402.638           |                    |         |
| 2,300.00                | 2,262.56            | 2,148.01            | 2,147.77            | 11.24           | 9.53        | -179.73               | -2,204.14                         | -7,108.35  | 7,807.98             | 7,787.84              | 20.14                   | 387.643           |                    |         |
| 2,400.00                | 2,360.20            | 2,311.09            | 2,310.50            | 11.73           | 10.17       | -179.66               | -2,194.55                         | -7,112.96  | 7,830.55             | 7,809.32              | 21.23                   | 368.780           |                    |         |
| 2,500.00                | 2,457.84            | 2,414.29            | 2,413.39            | 12.22           | 10.58       | -179.60               | -2,187.03                         | -7,115.70  | 7,852.54             | 7,830.45              | 22.09                   | 355.485           |                    |         |
| 2,600.00                | 2,555.48            | 2,474.38            | 2,473.26            | 12.71           | 10.82       | -179.56               | -2,182.23                         | -7,117.60  | 7,874.81             | 7,852.05              | 22.77                   | 345.894           |                    |         |
| 2,700.00                | 2,653.11            | 2,599.63            | 2,597.93            | 13.20           | 11.33       | -179.47               | -2,171.17                         | -7,122.05  | 7,897.23             | 7,873.50              | 23.73                   | 332.780           |                    |         |
| 2,800.00                | 2,750.75            | 2,691.32            | 2,689.12            | 13.70           | 11.72       | -179.40               | -2,162.13                         | -7,125.40  | 7,919.45             | 7,894.89              | 24.56                   | 322.470           |                    |         |
| 2,900.00                | 2,848.39            | 2,766.59            | 2,763.88            | 14.19           | 12.03       | -179.34               | -2,153.93                         | -7,128.51  | 7,941.83             | 7,916.51              | 25.32                   | 313.688           |                    |         |
| 3,000.00                | 2,946.02            | 2,838.91            | 2,835.64            | 14.69           | 12.34       | -179.27               | -2,145.64                         | -7,131.84  | 7,964.51             | 7,938.44              | 26.07                   | 305.533           |                    |         |
| 3,100.00                | 3,043.66            | 2,916.62            | 2,912.77            | 15.19           | 12.68       | -179.21               | -2,136.92                         | -7,135.60  | 7,987.49             | 7,960.64              | 26.84                   | 297.541           |                    |         |
| 3,200.00                | 3,141.30            | 2,986.97            | 2,982.64            | 15.69           | 12.98       | -179.15               | -2,129.47                         | -7,139.02  | 8,010.70             | 7,983.11              | 27.59                   | 290.346           |                    |         |
| 3,300.00                | 3,238.94            | 3,042.36            | 3,037.65            | 16.19           | 13.22       | -179.10               | -2,123.66                         | -7,141.97  | 8,034.37             | 8,006.10              | 28.27                   | 284.244           |                    |         |
| 3,400.00                | 3,336.57            | 3,120.55            | 3,115.27            | 16.69           | 13.57       | -179.04               | -2,115.47                         | -7,146.48  | 8,058.45             | 8,029.40              | 29.05                   | 277.384           |                    |         |
| 3,500.00                | 3,434.21            | 3,247.33            | 3,241.21            | 17.19           | 14.13       | -178.94               | -2,102.77                         | -7,153.55  | 8,082.52             | 8,052.45              | 30.07                   | 268.750           |                    |         |
| 3,600.00                | 3,531.85            | 3,403.08            | 3,396.04            | 17.69           | 14.82       | -178.82               | -2,087.52                         | -7,160.87  | 8,105.74             | 8,074.50              | 31.24                   | 259.436           |                    |         |
| 3,700.00                | 3,629.48            | 3,530.94            | 3,523.08            | 18.20           | 15.40       | -178.72               | -2,074.29                         | -7,166.63  | 8,128.76             | 8,096.48              | 32.28                   | 251.785           |                    |         |
| 3,800.00                | 3,727.12            | 3,609.23            | 3,600.87            | 18.70           | 15.75       | -178.66               | -2,066.11                         | -7,170.06  | 8,151.64             | 8,118.55              | 33.09                   | 246.383           |                    |         |
| 3,900.00                | 3,824.76            | 3,672.39            | 3,663.62            | 19.21           | 16.04       | -178.61               | -2,059.58                         | -7,173.01  | 8,174.82             | 8,141.00              | 33.81                   | 241.776           |                    |         |
| 4,000.00                | 3,922.40            | 3,736.19            | 3,727.01            | 19.71           | 16.33       | -178.56               | -2,053.05                         | -7,176.28  | 8,198.45             | 8,163.91              | 34.54                   | 237.356           |                    |         |
| 4,100.00                | 4,020.03            | 3,818.00            | 3,808.29            | 20.21           | 16.70       | -178.50               | -2,044.86                         | -7,180.55  | 8,222.27             | 8,186.91              | 35.36                   | 232.525           |                    |         |
| 4,200.00                | 4,117.67            | 3,885.91            | 3,875.73            | 20.72           | 17.02       | -178.45               | -2,037.83                         | -7,184.35  | 8,246.37             | 8,210.26              | 36.11                   | 228.349           |                    |         |
| 4,300.00                | 4,215.31            | 3,957.77            | 3,947.00            | 21.23           | 17.35       | -178.39               | -2,029.80                         | -7,188.89  | 8,270.90             | 8,234.01              | 36.89                   | 224.219           |                    |         |
| 4,400.00                | 4,312.94            | 4,052.66            | 4,041.05            | 21.73           | 17.80       | -178.30               | -2,018.87                         | -7,195.11  | 8,295.59             | 8,257.81              | 37.79                   | 219.544           |                    |         |
| 4,500.00                | 4,410.58            | 4,234.68            | 4,221.42            | 22.24           | 18.66       | -178.14               | -1,997.05                         | -7,206.18  | 8,319.71             | 8,280.56              | 39.15                   | 212.521           |                    |         |
| 4,600.00                | 4,508.22            | 4,319.49            | 4,305.55            | 22.75           | 19.06       | -178.07               | -1,987.44                         | -7,210.87  | 8,343.52             | 8,303.52              | 40.00                   | 208.603           |                    |         |
| 4,700.00                | 4,605.86            | 4,539.43            | 4,523.98            | 23.25           | 20.10       | -177.90               | -1,963.88                         | -7,220.95  | 8,366.61             | 8,325.06              | 41.55                   | 201.354           |                    |         |
| 4,800.00                | 4,703.49            | 4,682.68            | 4,666.36            | 23.76           | 20.77       | -177.80               | -1,948.92                         | -7,226.09  | 8,388.91             | 8,346.21              | 42.70                   | 196.443           |                    |         |
| 4,900.00                | 4,801.13            | 4,743.22            | 4,726.60            | 24.27           | 21.05       | -177.76               | -1,943.27                         | -7,228.02  | 8,411.08             | 8,367.66              | 43.42                   | 193.695           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                | 4,898.77            | 4,840.47            | 4,823.50            | 24.77           | 21.49       | -177.71               | -1,935.51                         | -7,230.98  | 8,433.49             | 8,389.16              | 44.33                   | 190.253           |                    |         |
| 5,100.00                | 4,996.40            | 4,913.99            | 4,896.82            | 25.28           | 21.82       | -177.68               | -1,930.53                         | -7,232.99  | 8,455.93             | 8,410.83              | 45.10                   | 187.473           |                    |         |
| 5,200.00                | 5,094.04            | 5,026.67            | 5,009.30            | 25.79           | 22.32       | -177.64               | -1,924.57                         | -7,235.94  | 8,478.66             | 8,432.59              | 46.07                   | 184.034           |                    |         |
| 5,300.00                | 5,191.68            | 5,203.27            | 5,185.82            | 26.30           | 23.07       | -177.62               | -1,919.86                         | -7,237.47  | 8,500.17             | 8,452.85              | 47.33                   | 179.602           |                    |         |
| 5,400.00                | 5,289.32            | 5,268.88            | 5,251.42            | 26.81           | 23.35       | -177.61               | -1,918.98                         | -7,237.81  | 8,521.90             | 8,473.85              | 48.05                   | 177.366           |                    |         |
| 5,500.00                | 5,386.95            | 5,338.00            | 5,320.54            | 27.32           | 23.64       | -177.61               | -1,918.32                         | -7,238.36  | 8,544.00             | 8,495.22              | 48.78                   | 175.152           |                    |         |
| 5,600.00                | 5,484.59            | 5,389.43            | 5,371.97            | 27.83           | 23.85       | -177.61               | -1,918.00                         | -7,238.96  | 8,566.51             | 8,517.09              | 49.43                   | 173.318           |                    |         |
| 5,700.00                | 5,582.23            | 5,433.00            | 5,415.53            | 28.33           | 24.03       | -177.61               | -1,917.84                         | -7,239.64  | 8,589.53             | 8,539.50              | 50.03                   | 171.677           |                    |         |
| 5,800.00                | 5,679.87            | 5,496.18            | 5,478.69            | 28.84           | 24.29       | -177.61               | -1,917.73                         | -7,240.92  | 8,613.02             | 8,562.29              | 50.73                   | 169.782           |                    |         |
| 5,900.00                | 5,777.50            | 5,715.95            | 5,698.41            | 29.35           | 25.17       | -177.64               | -1,920.79                         | -7,243.75  | 8,636.30             | 8,584.15              | 52.15                   | 165.594           |                    |         |
| 6,000.00                | 5,875.14            | 5,829.83            | 5,812.27            | 29.86           | 25.62       | -177.66               | -1,923.02                         | -7,243.96  | 8,658.57             | 8,605.49              | 53.08                   | 163.128           |                    |         |
| 6,100.00                | 5,972.78            | 5,925.22            | 5,907.65            | 30.37           | 26.00       | -177.68               | -1,924.33                         | -7,244.20  | 8,680.75             | 8,626.83              | 53.92                   | 160.988           |                    |         |
| 6,200.00                | 6,070.41            | 6,008.81            | 5,991.23            | 30.88           | 26.34       | -177.69               | -1,925.16                         | -7,244.60  | 8,703.05             | 8,648.33              | 54.71                   | 159.068           |                    |         |
| 6,300.00                | 6,168.05            | 6,100.92            | 6,083.34            | 31.39           | 26.71       | -177.70               | -1,925.93                         | -7,245.18  | 8,725.45             | 8,669.90              | 55.55                   | 157.086           |                    |         |
| 6,400.00                | 6,265.69            | 6,188.16            | 6,170.58            | 31.90           | 27.07       | -177.70               | -1,926.70                         | -7,245.80  | 8,747.93             | 8,691.57              | 56.36                   | 155.225           |                    |         |
| 6,439.09                | 6,303.85            | 6,222.35            | 6,204.76            | 32.10           | 27.20       | -177.71               | -1,927.02                         | -7,246.06  | 8,756.75             | 8,700.08              | 56.67                   | 154.510           |                    |         |
| 6,450.00                | 6,314.53            | 6,231.91            | 6,214.32            | 32.16           | 27.24       | -176.18               | -1,927.11                         | -7,246.14  | 8,759.13             | 8,702.37              | 56.76                   | 154.312           |                    |         |
| 6,500.00                | 6,363.83            | 6,276.10            | 6,258.51            | 32.39           | 27.42       | -164.56               | -1,927.49                         | -7,246.52  | 8,767.78             | 8,710.61              | 57.16                   | 153.385           |                    |         |
| 6,550.00                | 6,413.58            | 6,317.11            | 6,299.51            | 32.60           | 27.59       | -131.88               | -1,927.78                         | -7,246.92  | 8,772.71             | 8,715.17              | 57.54                   | 152.476           |                    |         |
| 6,600.00                | 6,463.45            | 6,356.95            | 6,339.35            | 32.79           | 27.76       | -71.03                | -1,927.96                         | -7,247.38  | 8,773.92             | 8,716.03              | 57.89                   | 151.573           |                    |         |
| 6,650.00                | 6,513.15            | 6,416.23            | 6,398.63            | 32.97           | 28.00       | -43.62                | -1,928.06                         | -7,248.16  | 8,771.38             | 8,713.07              | 58.31                   | 150.421           |                    |         |
| 6,700.00                | 6,562.37            | 6,445.00            | 6,427.39            | 33.15           | 28.12       | -33.79                | -1,928.09                         | -7,248.51  | 8,765.04             | 8,706.47              | 58.57                   | 149.641           |                    |         |
| 6,750.00                | 6,610.80            | 6,462.60            | 6,444.99            | 33.34           | 28.19       | -29.23                | -1,928.22                         | -7,248.75  | 8,755.13             | 8,696.36              | 58.76                   | 148.988           |                    |         |
| 6,800.00                | 6,658.14            | 6,477.00            | 6,459.39            | 33.53           | 28.25       | -26.80                | -1,928.50                         | -7,248.97  | 8,741.74             | 8,682.82              | 58.92                   | 148.361           |                    |         |
| 6,850.00                | 6,704.11            | 6,477.00            | 6,459.39            | 33.74           | 28.25       | -25.46                | -1,928.50                         | -7,248.97  | 8,724.98             | 8,665.99              | 58.99                   | 147.898           |                    |         |
| 6,900.00                | 6,748.42            | 6,493.78            | 6,476.15            | 33.97           | 28.32       | -24.81                | -1,929.07                         | -7,249.27  | 8,704.89             | 8,645.76              | 59.13                   | 147.216           |                    |         |
| 6,950.00                | 6,790.79            | 6,509.00            | 6,491.35            | 34.21           | 28.38       | -24.65                | -1,929.87                         | -7,249.58  | 8,681.63             | 8,622.39              | 59.25                   | 146.536           |                    |         |
| 7,000.00                | 6,830.97            | 6,509.00            | 6,491.35            | 34.48           | 28.38       | -24.85                | -1,929.87                         | -7,249.58  | 8,655.29             | 8,596.01              | 59.27                   | 146.020           |                    |         |
| 7,050.00                | 6,868.71            | 6,509.00            | 6,491.35            | 34.77           | 28.38       | -25.40                | -1,929.87                         | -7,249.58  | 8,626.06             | 8,566.76              | 59.29                   | 145.482           |                    |         |
| 7,100.00                | 6,903.77            | 6,522.71            | 6,505.02            | 35.09           | 28.43       | -26.34                | -1,930.82                         | -7,249.89  | 8,594.02             | 8,534.65              | 59.37                   | 144.756           |                    |         |
| 7,150.00                | 6,935.93            | 6,528.18            | 6,510.47            | 35.44           | 28.46       | -27.65                | -1,931.26                         | -7,250.03  | 8,559.41             | 8,500.01              | 59.40                   | 144.099           |                    |         |
| 7,200.00                | 6,965.01            | 6,541.00            | 6,523.23            | 35.83           | 28.51       | -29.46                | -1,932.45                         | -7,250.39  | 8,522.43             | 8,462.97              | 59.46                   | 143.324           |                    |         |
| 7,250.00                | 6,990.82            | 6,541.00            | 6,523.23            | 36.26           | 28.51       | -31.75                | -1,932.45                         | -7,250.39  | 8,483.21             | 8,423.75              | 59.46                   | 142.665           |                    |         |
| 7,300.00                | 7,013.20            | 6,541.00            | 6,523.23            | 36.72           | 28.51       | -34.76                | -1,932.45                         | -7,250.39  | 8,442.03             | 8,382.57              | 59.46                   | 141.968           |                    |         |
| 7,350.00                | 7,032.02            | 6,541.00            | 6,523.23            | 37.23           | 28.51       | -38.69                | -1,932.45                         | -7,250.39  | 8,399.11             | 8,339.64              | 59.47                   | 141.231           |                    |         |
| 7,400.00                | 7,047.15            | 6,541.00            | 6,523.23            | 37.77           | 28.51       | -43.86                | -1,932.45                         | -7,250.39  | 8,354.69             | 8,295.21              | 59.48                   | 140.453           |                    |         |
| 7,450.00                | 7,058.51            | 6,541.00            | 6,523.23            | 38.34           | 28.51       | -50.72                | -1,932.45                         | -7,250.39  | 8,309.03             | 8,249.53              | 59.51                   | 139.633           |                    |         |
| 7,500.00                | 7,066.02            | 6,541.00            | 6,523.23            | 38.95           | 28.51       | -59.79                | -1,932.45                         | -7,250.39  | 8,262.39             | 8,202.85              | 59.54                   | 138.771           |                    |         |
| 7,550.00                | 7,069.64            | 6,553.25            | 6,535.40            | 39.58           | 28.55       | -71.73                | -1,933.76                         | -7,250.76  | 8,214.98             | 8,155.34              | 59.65                   | 137.726           |                    |         |
| 7,571.20                | 7,070.00            | 6,553.44            | 6,535.59            | 39.85           | 28.55       | -77.46                | -1,933.79                         | -7,250.77  | 8,194.76             | 8,135.09              | 59.67                   | 137.327           |                    |         |
| 7,600.00                | 7,070.00            | 6,553.61            | 6,535.76            | 40.23           | 28.55       | -77.46                | -1,933.81                         | -7,250.77  | 8,167.24             | 8,107.54              | 59.71                   | 136.783           |                    |         |
| 7,700.00                | 7,070.01            | 6,554.21            | 6,536.35            | 41.64           | 28.56       | -77.48                | -1,933.87                         | -7,250.79  | 8,071.78             | 8,011.93              | 59.85                   | 134.861           |                    |         |
| 7,800.00                | 7,070.02            | 6,554.81            | 6,536.95            | 43.20           | 28.56       | -77.49                | -1,933.94                         | -7,250.81  | 7,976.43             | 7,916.41              | 60.03                   | 132.882           |                    |         |
| 7,900.00                | 7,070.03            | 6,555.41            | 6,537.55            | 44.89           | 28.56       | -77.51                | -1,934.02                         | -7,250.83  | 7,881.20             | 7,820.96              | 60.23                   | 130.846           |                    |         |
| 8,000.00                | 7,070.04            | 6,556.03            | 6,538.16            | 46.69           | 28.56       | -77.52                | -1,934.09                         | -7,250.85  | 7,786.08             | 7,725.61              | 60.47                   | 128.754           |                    |         |
| 8,100.00                | 7,070.05            | 6,556.64            | 6,538.77            | 48.60           | 28.56       | -77.53                | -1,934.16                         | -7,250.87  | 7,691.09             | 7,630.34              | 60.75                   | 126.606           |                    |         |
| 8,200.00                | 7,070.05            | 6,557.26            | 6,539.39            | 50.59           | 28.57       | -77.55                | -1,934.23                         | -7,250.89  | 7,596.22             | 7,535.16              | 61.06                   | 124.405           |                    |         |
| 8,300.00                | 7,070.06            | 6,557.89            | 6,540.01            | 52.66           | 28.57       | -77.56                | -1,934.31                         | -7,250.91  | 7,501.49             | 7,440.08              | 61.41                   | 122.152           |                    |         |
| 8,400.00                | 7,070.07            | 6,558.52            | 6,540.63            | 54.81           | 28.57       | -77.58                | -1,934.38                         | -7,250.93  | 7,406.90             | 7,345.10              | 61.80                   | 119.848           |                    |         |
| 8,500.00                | 7,070.08            | 6,559.15            | 6,541.26            | 57.02           | 28.57       | -77.59                | -1,934.46                         | -7,250.95  | 7,312.45             | 7,250.21              | 62.23                   | 117.498           |                    |         |
| 8,600.00                | 7,070.09            | 6,559.79            | 6,541.90            | 59.28           | 28.58       | -77.61                | -1,934.54                         | -7,250.98  | 7,218.15             | 7,155.44              | 62.71                   | 115.103           |                    |         |
| 8,700.00                | 7,070.10            | 6,572.00            | 6,554.00            | 61.60           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 7,124.05             | 7,060.75              | 63.30                   | 112.547           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                | 7,070.11            | 6,572.00            | 6,554.00            | 63.95           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 7,030.06             | 6,966.20              | 63.86                   | 110.082           |                    |         |
| 8,900.00                | 7,070.12            | 6,572.00            | 6,554.00            | 66.35           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,936.24             | 6,871.77              | 64.47                   | 107.585           |                    |         |
| 9,000.00                | 7,070.13            | 6,572.00            | 6,554.00            | 68.79           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,842.60             | 6,777.46              | 65.13                   | 105.058           |                    |         |
| 9,100.00                | 7,070.13            | 6,572.00            | 6,554.00            | 71.25           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,749.13             | 6,683.29              | 65.84                   | 102.506           |                    |         |
| 9,200.00                | 7,070.14            | 6,572.00            | 6,554.00            | 73.74           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,655.86             | 6,589.26              | 66.60                   | 99.934            |                    |         |
| 9,300.00                | 7,070.15            | 6,572.00            | 6,554.00            | 76.26           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,562.79             | 6,495.37              | 67.42                   | 97.347            |                    |         |
| 9,400.00                | 7,070.16            | 6,572.00            | 6,554.00            | 78.80           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,469.92             | 6,401.63              | 68.29                   | 94.748            |                    |         |
| 9,500.00                | 7,070.17            | 6,572.00            | 6,554.00            | 81.37           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,377.26             | 6,308.05              | 69.21                   | 92.145            |                    |         |
| 9,600.00                | 7,070.18            | 6,572.00            | 6,554.00            | 83.95           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,284.84             | 6,214.65              | 70.19                   | 89.539            |                    |         |
| 9,700.00                | 7,070.19            | 6,572.00            | 6,554.00            | 86.55           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,192.64             | 6,121.41              | 71.23                   | 86.938            |                    |         |
| 9,800.00                | 7,070.20            | 6,572.00            | 6,554.00            | 89.17           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,100.70             | 6,028.37              | 72.33                   | 84.344            |                    |         |
| 9,900.00                | 7,070.21            | 6,572.00            | 6,554.00            | 91.80           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 6,009.01             | 5,935.52              | 73.49                   | 81.764            |                    |         |
| 10,000.00               | 7,070.21            | 6,572.00            | 6,554.00            | 94.44           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,917.59             | 5,842.87              | 74.72                   | 79.200            |                    |         |
| 10,100.00               | 7,070.22            | 6,572.00            | 6,554.00            | 97.10           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,826.45             | 5,750.44              | 76.01                   | 76.657            |                    |         |
| 10,200.00               | 7,070.23            | 6,572.00            | 6,554.00            | 99.77           | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,735.61             | 5,658.25              | 77.36                   | 74.139            |                    |         |
| 10,300.00               | 7,070.24            | 6,572.00            | 6,554.00            | 102.44          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,645.08             | 5,566.29              | 78.79                   | 71.649            |                    |         |
| 10,400.00               | 7,070.25            | 6,572.00            | 6,554.00            | 105.13          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,554.87             | 5,474.59              | 80.28                   | 69.191            |                    |         |
| 10,500.00               | 7,070.26            | 6,572.00            | 6,554.00            | 107.83          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,465.00             | 5,383.15              | 81.85                   | 66.769            |                    |         |
| 10,600.00               | 7,070.27            | 6,572.00            | 6,554.00            | 110.53          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,375.49             | 5,292.00              | 83.49                   | 64.385            |                    |         |
| 10,700.00               | 7,070.28            | 6,572.00            | 6,554.00            | 113.24          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,286.36             | 5,201.15              | 85.21                   | 62.041            |                    |         |
| 10,800.00               | 7,070.28            | 6,572.00            | 6,554.00            | 115.96          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,197.62             | 5,110.62              | 87.00                   | 59.741            |                    |         |
| 10,900.00               | 7,070.29            | 6,572.00            | 6,554.00            | 118.69          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,109.30             | 5,020.42              | 88.88                   | 57.485            |                    |         |
| 11,000.00               | 7,070.30            | 6,572.00            | 6,554.00            | 121.42          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 5,021.41             | 4,930.57              | 90.84                   | 55.278            |                    |         |
| 11,100.00               | 7,070.31            | 6,572.00            | 6,554.00            | 124.16          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 4,933.99             | 4,841.11              | 92.89                   | 53.119            |                    |         |
| 11,200.00               | 7,070.32            | 6,572.00            | 6,554.00            | 126.90          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 4,847.06             | 4,752.03              | 95.02                   | 51.011            |                    |         |
| 11,300.00               | 7,070.33            | 6,572.00            | 6,554.00            | 129.65          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 4,760.63             | 4,663.39              | 97.25                   | 48.954            |                    |         |
| 11,400.00               | 7,070.34            | 6,572.00            | 6,554.00            | 132.40          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 4,674.75             | 4,575.18              | 99.57                   | 46.951            |                    |         |
| 11,500.00               | 7,070.35            | 6,572.00            | 6,554.00            | 135.16          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 4,589.44             | 4,487.45              | 101.99                  | 45.001            |                    |         |
| 11,600.00               | 7,070.36            | 6,572.00            | 6,554.00            | 137.92          | 28.62       | -77.90                | -1,936.12                         | -7,251.40  | 4,504.74             | 4,400.23              | 104.50                  | 43.106            |                    |         |
| 11,700.00               | 7,070.36            | 6,583.43            | 6,565.30            | 140.69          | 28.66       | -78.17                | -1,937.75                         | -7,251.81  | 4,420.61             | 4,313.37              | 107.24                  | 41.221            |                    |         |
| 11,800.00               | 7,070.37            | 6,584.32            | 6,566.18            | 143.46          | 28.67       | -78.19                | -1,937.88                         | -7,251.84  | 4,337.21             | 4,227.22              | 109.98                  | 39.436            |                    |         |
| 11,900.00               | 7,070.38            | 6,585.21            | 6,567.06            | 146.23          | 28.67       | -78.21                | -1,938.02                         | -7,251.87  | 4,254.52             | 4,141.69              | 112.83                  | 37.706            |                    |         |
| 12,000.00               | 7,070.39            | 6,586.11            | 6,567.95            | 149.01          | 28.67       | -78.23                | -1,938.15                         | -7,251.91  | 4,172.59             | 4,056.79              | 115.80                  | 36.032            |                    |         |
| 12,100.00               | 7,070.40            | 6,587.01            | 6,568.84            | 151.79          | 28.68       | -78.25                | -1,938.29                         | -7,251.94  | 4,091.46             | 3,972.58              | 118.89                  | 34.415            |                    |         |
| 12,200.00               | 7,070.41            | 6,587.92            | 6,569.73            | 154.57          | 28.68       | -78.27                | -1,938.43                         | -7,251.97  | 4,011.19             | 3,889.10              | 122.09                  | 32.854            |                    |         |
| 12,300.00               | 7,070.42            | 6,588.83            | 6,570.63            | 157.35          | 28.68       | -78.30                | -1,938.57                         | -7,252.01  | 3,931.82             | 3,806.39              | 125.42                  | 31.348            |                    |         |
| 12,400.00               | 7,070.43            | 6,589.74            | 6,571.54            | 160.14          | 28.69       | -78.32                | -1,938.72                         | -7,252.04  | 3,853.41             | 3,724.52              | 128.88                  | 29.898            |                    |         |
| 12,500.00               | 7,070.44            | 6,590.66            | 6,572.44            | 162.93          | 28.69       | -78.34                | -1,938.86                         | -7,252.08  | 3,776.01             | 3,643.54              | 132.47                  | 28.504            |                    |         |
| 12,600.00               | 7,070.44            | 6,591.59            | 6,573.36            | 165.72          | 28.69       | -78.36                | -1,939.01                         | -7,252.11  | 3,699.70             | 3,563.51              | 136.20                  | 27.164            |                    |         |
| 12,700.00               | 7,070.45            | 6,592.52            | 6,574.27            | 168.52          | 28.70       | -78.38                | -1,939.15                         | -7,252.15  | 3,624.55             | 3,484.49              | 140.06                  | 25.879            |                    |         |
| 12,800.00               | 7,070.46            | 6,604.00            | 6,585.59            | 171.32          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 3,550.68             | 3,406.48              | 144.19                  | 24.625            |                    |         |
| 12,900.00               | 7,070.47            | 6,604.00            | 6,585.59            | 174.11          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 3,478.04             | 3,329.72              | 148.32                  | 23.450            |                    |         |
| 13,000.00               | 7,070.48            | 6,604.00            | 6,585.59            | 176.92          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 3,406.78             | 3,254.20              | 152.59                  | 22.327            |                    |         |
| 13,100.00               | 7,070.49            | 6,604.00            | 6,585.59            | 179.72          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 3,337.01             | 3,180.02              | 156.99                  | 21.256            |                    |         |
| 13,200.00               | 7,070.50            | 6,604.00            | 6,585.59            | 182.52          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 3,268.80             | 3,107.27              | 161.53                  | 20.236            |                    |         |
| 13,300.00               | 7,070.51            | 6,604.00            | 6,585.59            | 185.33          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 3,202.26             | 3,036.05              | 166.21                  | 19.267            |                    |         |
| 13,400.00               | 7,070.52            | 6,604.00            | 6,585.59            | 188.14          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 3,137.50             | 2,966.49              | 171.01                  | 18.346            |                    |         |
| 13,500.00               | 7,070.52            | 6,604.00            | 6,585.59            | 190.95          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 3,074.63             | 2,898.69              | 175.94                  | 17.475            |                    |         |
| 13,600.00               | 7,070.53            | 6,604.00            | 6,585.59            | 193.76          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 3,013.77             | 2,832.78              | 180.99                  | 16.652            |                    |         |
| 13,700.00               | 7,070.54            | 6,604.00            | 6,585.59            | 196.57          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,955.03             | 2,768.89              | 186.14                  | 15.875            |                    |         |
| 13,800.00               | 7,070.55            | 6,604.00            | 6,585.59            | 199.38          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,898.56             | 2,707.17              | 191.39                  | 15.145            |                    |         |
| 13,900.00               | 7,070.56            | 6,604.00            | 6,585.59            | 202.20          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,844.48             | 2,647.77              | 196.71                  | 14.460            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00               | 7,070.57            | 6,604.00            | 6,585.59            | 205.01          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,792.94             | 2,590.85              | 202.09                  | 13.820            |                    |         |
| 14,100.00               | 7,070.58            | 6,604.00            | 6,585.59            | 207.83          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,744.08             | 2,536.56              | 207.52                  | 13.223            |                    |         |
| 14,200.00               | 7,070.59            | 6,604.00            | 6,585.59            | 210.65          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,698.04             | 2,485.08              | 212.95                  | 12.670            |                    |         |
| 14,300.00               | 7,070.60            | 6,604.00            | 6,585.59            | 213.47          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,654.96             | 2,436.59              | 218.38                  | 12.158            |                    |         |
| 14,400.00               | 7,070.60            | 6,604.00            | 6,585.59            | 216.29          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,615.01             | 2,391.25              | 223.76                  | 11.687            |                    |         |
| 14,500.00               | 7,070.61            | 6,604.00            | 6,585.59            | 219.11          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,578.31             | 2,349.25              | 229.06                  | 11.256            |                    |         |
| 14,600.00               | 7,070.62            | 6,604.00            | 6,585.59            | 221.94          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,545.02             | 2,310.77              | 234.26                  | 10.864            |                    |         |
| 14,700.00               | 7,070.63            | 6,604.00            | 6,585.59            | 224.76          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,515.27             | 2,275.97              | 239.30                  | 10.511            |                    |         |
| 14,800.00               | 7,070.64            | 6,604.00            | 6,585.59            | 227.58          | 28.74       | -78.65                | -1,941.06                         | -7,252.58  | 2,489.18             | 2,245.02              | 244.16                  | 10.195            |                    |         |
| 14,900.00               | 7,070.65            | 6,614.72            | 6,596.13            | 230.41          | 28.78       | -78.91                | -1,942.98                         | -7,252.99  | 2,466.78             | 2,217.75              | 249.04                  | 9.905             |                    |         |
| 15,000.00               | 7,070.66            | 6,615.77            | 6,597.15            | 233.24          | 28.78       | -78.93                | -1,943.17                         | -7,253.03  | 2,448.34             | 2,194.90              | 253.44                  | 9.660             |                    |         |
| 15,100.00               | 7,070.67            | 6,616.80            | 6,598.17            | 236.06          | 28.79       | -78.96                | -1,943.37                         | -7,253.07  | 2,433.87             | 2,176.32              | 257.55                  | 9.450             |                    |         |
| 15,200.00               | 7,070.68            | 6,617.84            | 6,599.19            | 238.89          | 28.79       | -78.98                | -1,943.56                         | -7,253.11  | 2,423.44             | 2,162.11              | 261.33                  | 9.274             |                    |         |
| 15,300.00               | 7,070.68            | 6,618.87            | 6,600.20            | 241.72          | 28.79       | -79.01                | -1,943.75                         | -7,253.15  | 2,417.10             | 2,152.35              | 264.75                  | 9.130             |                    |         |
| 15,400.00               | 7,070.69            | 6,619.89            | 6,601.20            | 244.55          | 28.80       | -79.03                | -1,943.95                         | -7,253.19  | 2,414.89             | 2,147.10              | 267.79                  | 9.018             |                    |         |
| 15,403.43               | 7,070.69            | 6,619.93            | 6,601.24            | 244.65          | 28.80       | -79.03                | -1,943.95                         | -7,253.19  | 2,414.89             | 2,147.00              | 267.89                  | 9.015 CC          |                    |         |
| 15,500.00               | 7,070.70            | 6,620.91            | 6,602.20            | 247.38          | 28.80       | -79.06                | -1,944.14                         | -7,253.23  | 2,416.82             | 2,146.38              | 270.43                  | 8.937 ES          |                    |         |
| 15,600.00               | 7,070.71            | 6,621.93            | 6,603.20            | 250.21          | 28.80       | -79.08                | -1,944.34                         | -7,253.26  | 2,422.87             | 2,150.21              | 272.67                  | 8.886             |                    |         |
| 15,700.00               | 7,070.72            | 6,622.94            | 6,604.19            | 253.04          | 28.81       | -79.10                | -1,944.53                         | -7,253.30  | 2,433.02             | 2,158.54              | 274.48                  | 8.864 SF          |                    |         |
| 15,800.00               | 7,070.73            | 6,623.94            | 6,605.18            | 255.87          | 28.81       | -79.13                | -1,944.73                         | -7,253.34  | 2,447.22             | 2,171.33              | 275.89                  | 8.870             |                    |         |
| 15,900.00               | 7,070.74            | 6,635.00            | 6,616.00            | 258.71          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,465.47             | 2,188.33              | 277.14                  | 8.896             |                    |         |
| 16,000.00               | 7,070.75            | 6,635.00            | 6,616.00            | 261.54          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,487.52             | 2,209.80              | 277.72                  | 8.957             |                    |         |
| 16,100.00               | 7,070.76            | 6,635.00            | 6,616.00            | 264.37          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,513.35             | 2,235.43              | 277.92                  | 9.043             |                    |         |
| 16,200.00               | 7,070.76            | 6,635.00            | 6,616.00            | 267.21          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,542.86             | 2,265.09              | 277.77                  | 9.155             |                    |         |
| 16,300.00               | 7,070.77            | 6,635.00            | 6,616.00            | 270.04          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,575.92             | 2,298.63              | 277.29                  | 9.290             |                    |         |
| 16,400.00               | 7,070.78            | 6,635.00            | 6,616.00            | 272.88          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,612.38             | 2,335.88              | 276.50                  | 9.448             |                    |         |
| 16,500.00               | 7,070.79            | 6,635.00            | 6,616.00            | 275.71          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,652.12             | 2,376.68              | 275.44                  | 9.629             |                    |         |
| 16,600.00               | 7,070.80            | 6,635.00            | 6,616.00            | 278.55          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,694.99             | 2,420.85              | 274.14                  | 9.831             |                    |         |
| 16,700.00               | 7,070.81            | 6,635.00            | 6,616.00            | 281.39          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,740.83             | 2,468.22              | 272.61                  | 10.054            |                    |         |
| 16,800.00               | 7,070.82            | 6,635.00            | 6,616.00            | 284.22          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,789.51             | 2,518.61              | 270.90                  | 10.297            |                    |         |
| 16,900.00               | 7,070.83            | 6,635.00            | 6,616.00            | 287.06          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,840.87             | 2,571.84              | 269.03                  | 10.560            |                    |         |
| 17,000.00               | 7,070.84            | 6,635.00            | 6,616.00            | 289.90          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,894.78             | 2,627.76              | 267.02                  | 10.841            |                    |         |
| 17,100.00               | 7,070.84            | 6,635.00            | 6,616.00            | 292.74          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 2,951.10             | 2,686.20              | 264.90                  | 11.141            |                    |         |
| 17,200.00               | 7,070.85            | 6,635.00            | 6,616.00            | 295.58          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,009.68             | 2,747.00              | 262.68                  | 11.458            |                    |         |
| 17,300.00               | 7,070.86            | 6,635.00            | 6,616.00            | 298.42          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,070.40             | 2,810.01              | 260.40                  | 11.791            |                    |         |
| 17,400.00               | 7,070.87            | 6,635.00            | 6,616.00            | 301.26          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,133.14             | 2,875.08              | 258.06                  | 12.141            |                    |         |
| 17,500.00               | 7,070.88            | 6,635.00            | 6,616.00            | 304.10          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,197.78             | 2,942.09              | 255.68                  | 12.507            |                    |         |
| 17,600.00               | 7,070.89            | 6,635.00            | 6,616.00            | 306.94          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,264.20             | 3,010.91              | 253.28                  | 12.887            |                    |         |
| 17,700.00               | 7,070.90            | 6,635.00            | 6,616.00            | 309.78          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,332.29             | 3,081.42              | 250.87                  | 13.283            |                    |         |
| 17,800.00               | 7,070.91            | 6,635.00            | 6,616.00            | 312.62          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,401.97             | 3,153.50              | 248.46                  | 13.692            |                    |         |
| 17,900.00               | 7,070.92            | 6,635.00            | 6,616.00            | 315.46          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,473.12             | 3,227.06              | 246.06                  | 14.115            |                    |         |
| 18,000.00               | 7,070.92            | 6,635.00            | 6,616.00            | 318.31          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,545.67             | 3,302.00              | 243.67                  | 14.551            |                    |         |
| 18,100.00               | 7,070.93            | 6,635.00            | 6,616.00            | 321.15          | 28.85       | -79.39                | -1,946.94                         | -7,253.74  | 3,619.53             | 3,378.22              | 241.31                  | 14.999            |                    |         |
| 18,200.00               | 7,070.94            | 6,646.65            | 6,627.37            | 323.99          | 28.89       | -79.67                | -1,949.42                         | -7,254.16  | 3,694.54             | 3,455.31              | 239.23                  | 15.444            |                    |         |
| 18,300.00               | 7,070.95            | 6,647.54            | 6,628.24            | 326.83          | 28.89       | -79.69                | -1,949.62                         | -7,254.19  | 3,770.78             | 3,533.83              | 236.94                  | 15.914            |                    |         |
| 18,400.00               | 7,070.96            | 6,648.42            | 6,629.10            | 329.68          | 28.90       | -79.71                | -1,949.81                         | -7,254.22  | 3,848.10             | 3,613.40              | 234.70                  | 16.396            |                    |         |
| 18,500.00               | 7,070.97            | 6,649.30            | 6,629.96            | 332.52          | 28.90       | -79.73                | -1,950.01                         | -7,254.25  | 3,926.45             | 3,693.96              | 232.49                  | 16.889            |                    |         |
| 18,600.00               | 7,070.98            | 6,650.17            | 6,630.81            | 335.36          | 28.90       | -79.75                | -1,950.20                         | -7,254.28  | 4,005.76             | 3,775.43              | 230.32                  | 17.392            |                    |         |
| 18,700.00               | 7,070.99            | 6,651.04            | 6,631.66            | 338.21          | 28.91       | -79.77                | -1,950.40                         | -7,254.31  | 4,085.97             | 3,857.77              | 228.20                  | 17.905            |                    |         |
| 18,800.00               | 7,070.99            | 6,651.91            | 6,632.50            | 341.05          | 28.91       | -79.79                | -1,950.59                         | -7,254.34  | 4,167.04             | 3,940.92              | 226.12                  | 18.428            |                    |         |
| 18,858.54               | 7,071.00            | 6,652.42            | 6,633.00            | 342.72          | 28.91       | -79.80                | -1,950.71                         | -7,254.36  | 4,214.88             | 3,989.95              | 224.93                  | 18.739            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                    | 0.00                | 234.50              | 234.42              | 3.28            | 3.36        | -107.25               | -2,198.72                         | -7,080.40  | 7,417.96             |                       |                         |                   |                    |         |
| 100.00                  | 100.00              | 319.17              | 319.04              | 3.28            | 3.46        | -107.25               | -2,198.17                         | -7,077.74  | 7,414.77             | 7,408.02              | 6.74                    | 1,099.477         |                    |         |
| 200.00                  | 200.00              | 369.01              | 368.86              | 3.34            | 3.53        | -107.26               | -2,198.05                         | -7,076.31  | 7,411.98             | 7,405.12              | 6.87                    | 1,079.298         |                    |         |
| 300.00                  | 300.00              | 422.00              | 421.84              | 3.44            | 3.62        | -107.25               | -2,197.01                         | -7,075.54  | 7,409.95             | 7,402.89              | 7.06                    | 1,048.889         |                    |         |
| 336.76                  | 336.76              | 422.00              | 421.84              | 3.50            | 3.62        | -179.75               | -2,197.01                         | -7,075.54  | 7,409.63             | 7,402.51              | 7.12                    | 1,041.264         |                    |         |
| 400.00                  | 399.98              | 459.76              | 459.58              | 3.60            | 3.69        | -179.74               | -2,196.07                         | -7,075.34  | 7,410.39             | 7,403.10              | 7.29                    | 1,016.321         |                    |         |
| 500.00                  | 499.84              | 513.00              | 512.82              | 3.80            | 3.81        | -179.74               | -2,195.23                         | -7,075.31  | 7,415.05             | 7,407.45              | 7.60                    | 975.298           |                    |         |
| 600.00                  | 599.45              | 604.64              | 604.45              | 4.04            | 4.02        | -179.73               | -2,194.61                         | -7,075.35  | 7,423.60             | 7,415.55              | 8.06                    | 921.159           |                    |         |
| 700.00                  | 698.70              | 770.98              | 770.78              | 4.32            | 4.48        | -179.72               | -2,192.99                         | -7,074.32  | 7,434.76             | 7,425.97              | 8.79                    | 845.532           |                    |         |
| 800.00                  | 797.47              | 869.76              | 869.55              | 4.63            | 4.79        | -179.71               | -2,191.71                         | -7,073.58  | 7,449.32             | 7,439.92              | 9.40                    | 792.224           |                    |         |
| 900.00                  | 895.62              | 942.04              | 941.82              | 4.97            | 5.02        | -179.71               | -2,191.07                         | -7,073.08  | 7,467.49             | 7,457.52              | 9.97                    | 749.122           |                    |         |
| 924.00                  | 919.08              | 959.21              | 959.00              | 5.06            | 5.08        | -179.71               | -2,190.91                         | -7,073.00  | 7,472.41             | 7,462.30              | 10.11                   | 738.950           |                    |         |
| 1,000.00                | 993.28              | 1,072.62            | 1,072.39            | 5.34            | 5.47        | -179.70               | -2,189.35                         | -7,072.39  | 7,488.15             | 7,477.39              | 10.76                   | 695.774           |                    |         |
| 1,100.00                | 1,090.92            | 1,147.04            | 1,146.79            | 5.73            | 5.73        | -179.69               | -2,187.98                         | -7,072.01  | 7,508.75             | 7,497.37              | 11.38                   | 659.565           |                    |         |
| 1,200.00                | 1,188.56            | 1,203.36            | 1,203.11            | 6.15            | 5.93        | -179.68               | -2,186.97                         | -7,071.96  | 7,529.76             | 7,517.80              | 11.96                   | 629.669           |                    |         |
| 1,300.00                | 1,286.19            | 2,073.05            | 2,070.09            | 6.57            | 9.41        | -179.51               | -2,149.80                         | -7,033.01  | 7,545.06             | 7,529.29              | 15.77                   | 478.478           |                    |         |
| 1,400.00                | 1,383.83            | 2,267.11            | 2,262.67            | 7.01            | 10.27       | -179.42               | -2,132.57                         | -7,016.49  | 7,556.42             | 7,539.43              | 16.99                   | 444.828           |                    |         |
| 1,500.00                | 1,481.47            | 2,348.10            | 2,343.00            | 7.46            | 10.64       | -179.39               | -2,126.02                         | -7,008.47  | 7,566.35             | 7,548.61              | 17.74                   | 426.411           |                    |         |
| 1,600.00                | 1,579.10            | 2,405.59            | 2,400.08            | 7.91            | 10.90       | -179.38               | -2,121.91                         | -7,002.99  | 7,576.87             | 7,558.46              | 18.41                   | 411.567           |                    |         |
| 1,700.00                | 1,676.74            | 2,481.22            | 2,475.20            | 8.37            | 11.25       | -179.35               | -2,116.54                         | -6,996.08  | 7,587.79             | 7,568.63              | 19.16                   | 396.055           |                    |         |
| 1,800.00                | 1,774.38            | 2,695.09            | 2,687.44            | 8.84            | 12.24       | -179.28               | -2,099.42                         | -6,976.02  | 7,598.33             | 7,577.82              | 20.51                   | 370.499           |                    |         |
| 1,900.00                | 1,872.02            | 2,837.56            | 2,828.67            | 9.31            | 12.91       | -179.23               | -2,088.21                         | -6,961.01  | 7,607.72             | 7,586.16              | 21.56                   | 352.856           |                    |         |
| 2,000.00                | 1,969.65            | 2,909.82            | 2,900.32            | 9.79            | 13.25       | -179.22               | -2,083.86                         | -6,952.76  | 7,616.82             | 7,594.51              | 22.31                   | 341.351           |                    |         |
| 2,100.00                | 2,067.29            | 2,963.00            | 2,953.10            | 10.27           | 13.50       | -179.21               | -2,080.69                         | -6,947.03  | 7,626.52             | 7,603.53              | 22.99                   | 331.761           |                    |         |
| 2,200.00                | 2,164.93            | 2,997.06            | 2,986.93            | 10.75           | 13.66       | -179.20               | -2,078.64                         | -6,943.63  | 7,636.94             | 7,613.36              | 23.58                   | 323.849           |                    |         |
| 2,300.00                | 2,262.56            | 3,058.00            | 3,047.51            | 11.24           | 13.95       | -179.19               | -2,074.92                         | -6,938.28  | 7,648.32             | 7,624.03              | 24.29                   | 314.831           |                    |         |
| 2,400.00                | 2,360.20            | 2,400.00            | 3,230.82            | 11.73           | 10.85       | -179.14               | -2,062.68                         | -6,920.99  | 7,659.23             | 7,637.34              | 21.89                   | 349.956           |                    |         |
| 2,500.00                | 2,457.84            | 3,287.68            | 3,275.64            | 12.22           | 15.03       | -179.13               | -2,059.50                         | -6,916.61  | 7,669.73             | 7,643.53              | 26.20                   | 292.741           |                    |         |
| 2,600.00                | 2,555.48            | 3,341.00            | 3,328.65            | 12.71           | 15.29       | -179.12               | -2,056.03                         | -6,912.02  | 7,681.18             | 7,654.29              | 26.89                   | 285.699           |                    |         |
| 2,700.00                | 2,653.11            | 3,411.18            | 3,398.45            | 13.20           | 15.62       | -179.10               | -2,051.63                         | -6,906.29  | 7,693.18             | 7,665.53              | 27.65                   | 278.272           |                    |         |
| 2,800.00                | 2,750.75            | 3,561.39            | 3,547.78            | 13.70           | 16.33       | -179.06               | -2,041.97                         | -6,893.11  | 7,704.61             | 7,675.84              | 28.77                   | 267.844           |                    |         |
| 2,900.00                | 2,848.39            | 2,900.00            | 3,670.68            | 14.19           | 13.18       | -179.03               | -2,033.48                         | -6,882.01  | 7,715.79             | 7,689.48              | 26.32                   | 293.181           |                    |         |
| 3,000.00                | 2,946.02            | 4,054.79            | 4,037.01            | 14.69           | 18.74       | -178.94               | -2,006.83                         | -6,840.27  | 7,723.67             | 7,691.80              | 31.87                   | 242.384           |                    |         |
| 3,100.00                | 3,043.66            | 4,102.00            | 4,083.69            | 15.19           | 18.98       | -178.92               | -2,002.63                         | -6,834.58  | 7,731.39             | 7,698.85              | 32.54                   | 237.576           |                    |         |
| 3,200.00                | 3,141.30            | 4,152.41            | 4,133.56            | 15.69           | 19.23       | -178.90               | -1,998.02                         | -6,828.89  | 7,739.77             | 7,706.53              | 33.23                   | 232.885           |                    |         |
| 3,300.00                | 3,238.94            | 4,197.00            | 4,177.73            | 16.19           | 19.45       | -178.88               | -1,993.98                         | -6,824.27  | 7,748.94             | 7,715.04              | 33.90                   | 228.591           |                    |         |
| 3,400.00                | 3,336.57            | 4,226.13            | 4,206.61            | 16.69           | 19.59       | -178.87               | -1,991.40                         | -6,821.47  | 7,758.90             | 7,724.41              | 34.49                   | 224.956           |                    |         |
| 3,500.00                | 3,434.21            | 4,259.42            | 4,239.64            | 17.19           | 19.76       | -178.86               | -1,988.56                         | -6,818.53  | 7,769.72             | 7,734.62              | 35.10                   | 221.365           |                    |         |
| 3,600.00                | 3,531.85            | 4,292.00            | 4,272.01            | 17.69           | 19.92       | -178.85               | -1,985.87                         | -6,815.90  | 7,781.38             | 7,745.68              | 35.70                   | 217.956           |                    |         |
| 3,700.00                | 3,629.48            | 4,358.97            | 4,338.56            | 18.20           | 20.24       | -178.82               | -1,980.36                         | -6,810.93  | 7,793.67             | 7,757.21              | 36.46                   | 213.752           |                    |         |
| 3,800.00                | 3,727.12            | 4,435.80            | 4,414.93            | 18.70           | 20.60       | -178.79               | -1,973.84                         | -6,805.61  | 7,806.35             | 7,769.08              | 37.27                   | 209.471           |                    |         |
| 3,900.00                | 3,824.76            | 3,900.00            | 4,547.16            | 19.21           | 18.04       | -178.73               | -1,962.47                         | -6,796.20  | 7,818.86             | 7,783.53              | 35.33                   | 221.326           |                    |         |
| 4,000.00                | 3,922.40            | 4,645.35            | 4,623.16            | 19.71           | 21.61       | -178.70               | -1,955.86                         | -6,790.59  | 7,831.17             | 7,792.03              | 39.14                   | 200.065           |                    |         |
| 4,100.00                | 4,020.03            | 4,779.55            | 4,756.58            | 20.21           | 22.25       | -178.64               | -1,944.90                         | -6,781.08  | 7,843.88             | 7,803.66              | 40.22                   | 195.027           |                    |         |
| 4,200.00                | 4,117.67            | 4,812.27            | 4,789.12            | 20.72           | 22.40       | -178.63               | -1,942.43                         | -6,778.78  | 7,856.58             | 7,815.76              | 40.82                   | 192.474           |                    |         |
| 4,300.00                | 4,215.31            | 4,862.00            | 4,838.62            | 21.23           | 22.64       | -178.62               | -1,938.79                         | -6,775.56  | 7,870.00             | 7,828.50              | 41.50                   | 189.656           |                    |         |
| 4,400.00                | 4,312.94            | 4,957.81            | 4,934.03            | 21.73           | 23.09       | -178.59               | -1,932.51                         | -6,769.48  | 7,883.79             | 7,841.41              | 42.39                   | 185.989           |                    |         |
| 4,500.00                | 4,410.58            | 5,008.95            | 4,984.99            | 22.24           | 23.32       | -178.58               | -1,929.88                         | -6,766.14  | 7,897.82             | 7,854.75              | 43.07                   | 183.392           |                    |         |
| 4,600.00                | 4,508.22            | 5,053.00            | 5,028.92            | 22.75           | 23.53       | -178.57               | -1,928.28                         | -6,763.33  | 7,912.44             | 7,868.73              | 43.71                   | 181.036           |                    |         |
| 4,700.00                | 4,605.86            | 5,053.00            | 5,028.92            | 23.25           | 23.53       | -178.57               | -1,928.28                         | -6,763.33  | 7,928.06             | 7,883.93              | 44.13                   | 179.638           |                    |         |
| 4,800.00                | 4,703.49            | 5,103.44            | 5,079.27            | 23.76           | 23.75       | -178.57               | -1,926.76                         | -6,760.69  | 7,944.24             | 7,899.44              | 44.80                   | 177.344           |                    |         |
| 4,900.00                | 4,801.13            | 5,148.00            | 5,123.78            | 24.27           | 23.94       | -178.57               | -1,925.40                         | -6,759.24  | 7,961.66             | 7,916.23              | 45.43                   | 175.262           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                | 4,898.77            | 5,148.00            | 5,123.78            | 24.77           | 23.94       | -178.57               | -1,925.40                         | -6,759.24  | 7,979.77             | 7,933.93              | 45.84                   | 174.090           |                    |         |
| 5,100.00                | 4,996.40            | 5,220.74            | 5,196.47            | 25.28           | 24.26       | -178.56               | -1,923.11                         | -6,757.75  | 7,998.60             | 7,952.00              | 46.60                   | 171.641           |                    |         |
| 5,200.00                | 5,094.04            | 5,242.00            | 5,217.72            | 25.79           | 24.35       | -178.55               | -1,922.42                         | -6,757.39  | 8,018.02             | 7,970.91              | 47.11                   | 170.212           |                    |         |
| 5,300.00                | 5,191.68            | 5,279.18            | 5,254.88            | 26.30           | 24.49       | -178.55               | -1,921.53                         | -6,756.98  | 8,038.21             | 7,990.53              | 47.68                   | 168.596           |                    |         |
| 5,400.00                | 5,289.32            | 5,301.19            | 5,276.89            | 26.81           | 24.58       | -178.55               | -1,921.31                         | -6,756.95  | 8,059.38             | 8,011.21              | 48.17                   | 167.308           |                    |         |
| 5,500.00                | 5,386.95            | 5,337.00            | 5,312.70            | 27.32           | 24.72       | -178.55               | -1,921.43                         | -6,757.21  | 8,081.52             | 8,032.80              | 48.73                   | 165.853           |                    |         |
| 5,600.00                | 5,484.59            | 5,386.57            | 5,362.26            | 27.83           | 24.90       | -178.55               | -1,921.99                         | -6,757.80  | 8,104.38             | 8,055.04              | 49.34                   | 164.269           |                    |         |
| 5,700.00                | 5,582.23            | 5,520.24            | 5,495.92            | 28.33           | 25.39       | -178.57               | -1,923.23                         | -6,759.06  | 8,127.11             | 8,076.77              | 50.34                   | 161.433           |                    |         |
| 5,800.00                | 5,679.87            | 5,606.69            | 5,582.37            | 28.84           | 25.71       | -178.57               | -1,923.89                         | -6,759.76  | 8,149.68             | 8,098.55              | 51.13                   | 159.391           |                    |         |
| 5,900.00                | 5,777.50            | 5,678.53            | 5,654.20            | 29.35           | 25.97       | -178.58               | -1,924.52                         | -6,760.48  | 8,172.47             | 8,120.62              | 51.85                   | 157.626           |                    |         |
| 6,000.00                | 5,875.14            | 5,750.23            | 5,725.89            | 29.86           | 26.24       | -178.58               | -1,925.28                         | -6,761.42  | 8,195.59             | 8,143.03              | 52.56                   | 155.918           |                    |         |
| 6,100.00                | 5,972.78            | 5,827.73            | 5,803.38            | 30.37           | 26.53       | -178.59               | -1,925.85                         | -6,762.74  | 8,218.98             | 8,165.67              | 53.31                   | 154.177           |                    |         |
| 6,200.00                | 6,070.41            | 5,915.64            | 5,891.26            | 30.88           | 26.86       | -178.59               | -1,926.57                         | -6,764.36  | 8,242.53             | 8,188.42              | 54.11                   | 152.340           |                    |         |
| 6,300.00                | 6,168.05            | 6,009.47            | 5,985.08            | 31.39           | 27.21       | -178.60               | -1,927.35                         | -6,766.16  | 8,266.15             | 8,211.21              | 54.93                   | 150.476           |                    |         |
| 6,400.00                | 6,265.69            | 6,082.38            | 6,057.97            | 31.90           | 27.49       | -178.60               | -1,927.86                         | -6,767.72  | 8,289.94             | 8,234.28              | 55.66                   | 148.942           |                    |         |
| 6,439.09                | 6,303.85            | 6,439.09            | 6,135.20            | 32.10           | 28.84       | -178.61               | -1,928.51                         | -6,769.15  | 8,299.10             | 8,241.81              | 57.29                   | 144.857           |                    |         |
| 6,450.00                | 6,314.53            | 6,450.00            | 6,145.83            | 32.16           | 28.88       | -177.07               | -1,928.61                         | -6,769.33  | 8,301.57             | 8,244.19              | 57.38                   | 144.665           |                    |         |
| 6,500.00                | 6,363.83            | 6,246.67            | 6,222.23            | 32.39           | 28.11       | -165.44               | -1,929.30                         | -6,770.42  | 8,310.48             | 8,253.64              | 56.83                   | 146.232           |                    |         |
| 6,550.00                | 6,413.58            | 6,288.00            | 6,263.55            | 32.60           | 28.27       | -132.74               | -1,929.53                         | -6,771.07  | 8,315.70             | 8,258.51              | 57.20                   | 145.387           |                    |         |
| 6,600.00                | 6,463.45            | 6,320.00            | 6,295.55            | 32.79           | 28.39       | -71.88                | -1,929.65                         | -6,771.64  | 8,317.25             | 8,259.75              | 57.50                   | 144.647           |                    |         |
| 6,650.00                | 6,513.15            | 6,339.83            | 6,315.37            | 32.97           | 28.47       | -44.44                | -1,929.82                         | -6,772.02  | 8,315.16             | 8,257.44              | 57.72                   | 144.055           |                    |         |
| 6,700.00                | 6,562.37            | 6,352.00            | 6,327.54            | 33.15           | 28.52       | -34.59                | -1,930.02                         | -6,772.26  | 8,309.49             | 8,251.61              | 57.89                   | 143.546           |                    |         |
| 6,750.00                | 6,610.80            | 6,364.94            | 6,340.47            | 33.34           | 28.56       | -30.02                | -1,930.36                         | -6,772.54  | 8,300.32             | 8,242.28              | 58.04                   | 143.012           |                    |         |
| 6,800.00                | 6,658.14            | 6,384.00            | 6,359.51            | 33.53           | 28.64       | -27.60                | -1,931.21                         | -6,773.01  | 8,287.75             | 8,229.54              | 58.21                   | 142.386           |                    |         |
| 6,850.00                | 6,704.11            | 6,384.00            | 6,359.51            | 33.74           | 28.64       | -26.25                | -1,931.21                         | -6,773.01  | 8,271.74             | 8,213.48              | 58.26                   | 141.978           |                    |         |
| 6,900.00                | 6,748.42            | 6,384.00            | 6,359.51            | 33.97           | 28.64       | -25.58                | -1,931.21                         | -6,773.01  | 8,252.49             | 8,194.19              | 58.30                   | 141.552           |                    |         |
| 6,950.00                | 6,790.79            | 6,384.00            | 6,359.51            | 34.21           | 28.64       | -25.38                | -1,931.21                         | -6,773.01  | 8,230.09             | 8,171.77              | 58.33                   | 141.106           |                    |         |
| 7,000.00                | 6,830.97            | 6,401.45            | 6,376.91            | 34.48           | 28.70       | -25.61                | -1,932.35                         | -6,773.54  | 8,204.53             | 8,146.11              | 58.43                   | 140.422           |                    |         |
| 7,050.00                | 6,868.71            | 6,415.00            | 6,390.40            | 34.77           | 28.75       | -26.20                | -1,933.50                         | -6,774.03  | 8,176.14             | 8,117.63              | 58.50                   | 139.761           |                    |         |
| 7,100.00                | 6,903.77            | 6,415.00            | 6,390.40            | 35.09           | 28.75       | -27.09                | -1,933.50                         | -6,774.03  | 8,144.91             | 8,086.41              | 58.50                   | 139.235           |                    |         |
| 7,150.00                | 6,935.93            | 6,415.00            | 6,390.40            | 35.44           | 28.75       | -28.36                | -1,933.50                         | -6,774.03  | 8,111.10             | 8,052.61              | 58.49                   | 138.676           |                    |         |
| 7,200.00                | 6,965.01            | 6,415.00            | 6,390.40            | 35.83           | 28.75       | -30.06                | -1,933.50                         | -6,774.03  | 8,074.87             | 8,016.40              | 58.48                   | 138.082           |                    |         |
| 7,250.00                | 6,990.82            | 6,429.05            | 6,404.37            | 36.26           | 28.79       | -32.38                | -1,934.92                         | -6,774.59  | 8,036.37             | 7,977.83              | 58.54                   | 137.276           |                    |         |
| 7,300.00                | 7,013.20            | 6,433.80            | 6,409.08            | 36.72           | 28.81       | -35.31                | -1,935.44                         | -6,774.79  | 7,995.87             | 7,937.31              | 58.56                   | 136.541           |                    |         |
| 7,350.00                | 7,032.02            | 6,447.00            | 6,422.18            | 37.23           | 28.86       | -39.20                | -1,937.02                         | -6,775.37  | 7,953.61             | 7,894.98              | 58.63                   | 135.659           |                    |         |
| 7,400.00                | 7,047.15            | 6,447.00            | 6,422.18            | 37.77           | 28.86       | -44.13                | -1,937.02                         | -6,775.37  | 7,909.74             | 7,851.10              | 58.64                   | 134.889           |                    |         |
| 7,450.00                | 7,058.51            | 6,447.00            | 6,422.18            | 38.34           | 28.86       | -50.58                | -1,937.02                         | -6,775.37  | 7,864.58             | 7,805.92              | 58.66                   | 134.072           |                    |         |
| 7,500.00                | 7,066.02            | 6,447.00            | 6,422.18            | 38.95           | 28.86       | -58.97                | -1,937.02                         | -6,775.37  | 7,818.38             | 7,759.69              | 58.69                   | 133.209           |                    |         |
| 7,550.00                | 7,069.64            | 6,447.00            | 6,422.18            | 39.58           | 28.86       | -69.66                | -1,937.02                         | -6,775.37  | 7,771.42             | 7,712.68              | 58.74                   | 132.299           |                    |         |
| 7,571.20                | 7,070.00            | 6,448.65            | 6,423.81            | 39.85           | 28.86       | -74.92                | -1,937.23                         | -6,775.45  | 7,751.35             | 7,692.57              | 58.78                   | 131.878           |                    |         |
| 7,600.00                | 7,070.00            | 6,450.44            | 6,425.59            | 40.23           | 28.87       | -74.97                | -1,937.45                         | -6,775.52  | 7,724.02             | 7,665.20              | 58.82                   | 131.309           |                    |         |
| 7,700.00                | 7,070.01            | 6,456.40            | 6,431.49            | 41.64           | 28.89       | -75.10                | -1,938.23                         | -6,775.78  | 7,629.24             | 7,570.24              | 59.00                   | 129.300           |                    |         |
| 7,800.00                | 7,070.02            | 6,461.97            | 6,437.00            | 43.20           | 28.91       | -75.23                | -1,938.98                         | -6,776.02  | 7,534.59             | 7,475.37              | 59.22                   | 127.233           |                    |         |
| 7,900.00                | 7,070.03            | 6,467.18            | 6,442.16            | 44.89           | 28.92       | -75.35                | -1,939.69                         | -6,776.23  | 7,440.08             | 7,380.61              | 59.47                   | 125.109           |                    |         |
| 8,000.00                | 7,070.04            | 6,472.08            | 6,447.01            | 46.69           | 28.94       | -75.47                | -1,940.38                         | -6,776.43  | 7,345.71             | 7,285.96              | 59.76                   | 122.928           |                    |         |
| 8,100.00                | 7,070.05            | 6,476.68            | 6,451.56            | 48.60           | 28.96       | -75.58                | -1,941.04                         | -6,776.60  | 7,251.49             | 7,191.41              | 60.08                   | 120.691           |                    |         |
| 8,200.00                | 7,070.05            | 6,481.83            | 6,456.65            | 50.59           | 28.97       | -75.70                | -1,941.80                         | -6,776.79  | 7,157.43             | 7,096.97              | 60.46                   | 118.392           |                    |         |
| 8,300.00                | 7,070.06            | 6,487.42            | 6,462.17            | 52.66           | 28.99       | -75.83                | -1,942.64                         | -6,776.99  | 7,063.52             | 7,002.65              | 60.88                   | 116.033           |                    |         |
| 8,400.00                | 7,070.07            | 6,492.51            | 6,467.20            | 54.81           | 29.01       | -75.94                | -1,943.42                         | -6,777.16  | 6,969.78             | 6,908.45              | 61.34                   | 113.628           |                    |         |
| 8,500.00                | 7,070.08            | 6,497.18            | 6,471.80            | 57.02           | 29.02       | -76.05                | -1,944.16                         | -6,777.31  | 6,876.22             | 6,814.37              | 61.85                   | 111.179           |                    |         |
| 8,600.00                | 7,070.09            | 6,501.46            | 6,476.03            | 59.28           | 29.04       | -76.15                | -1,944.84                         | -6,777.45  | 6,782.84             | 6,720.43              | 62.40                   | 108.691           |                    |         |
| 8,700.00                | 7,070.10            | 6,505.42            | 6,479.94            | 61.60           | 29.05       | -76.25                | -1,945.49                         | -6,777.57  | 6,689.64             | 6,626.63              | 63.01                   | 106.166           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                | 7,070.11            | 6,509.08            | 6,483.54            | 63.95           | 29.06       | -76.33                | -1,946.09                         | -6,777.67  | 6,596.65             | 6,532.98              | 63.67                   | 103.609           |                    |         |
| 8,900.00                | 7,070.12            | 6,512.81            | 6,487.22            | 66.35           | 29.08       | -76.42                | -1,946.72                         | -6,777.77  | 6,503.86             | 6,439.48              | 64.38                   | 101.020           |                    |         |
| 9,000.00                | 7,070.13            | 6,516.47            | 6,490.82            | 68.79           | 29.09       | -76.50                | -1,947.35                         | -6,777.87  | 6,411.28             | 6,346.13              | 65.15                   | 98.407            |                    |         |
| 9,100.00                | 7,070.13            | 6,519.65            | 6,493.96            | 71.25           | 29.10       | -76.58                | -1,947.91                         | -6,777.94  | 6,318.93             | 6,252.96              | 65.97                   | 95.779            |                    |         |
| 9,200.00                | 7,070.14            | 6,522.45            | 6,496.70            | 73.74           | 29.11       | -76.64                | -1,948.41                         | -6,778.01  | 6,226.82             | 6,159.97              | 66.85                   | 93.139            |                    |         |
| 9,300.00                | 7,070.15            | 6,524.92            | 6,499.13            | 76.26           | 29.12       | -76.70                | -1,948.86                         | -6,778.06  | 6,134.95             | 6,067.16              | 67.79                   | 90.494            |                    |         |
| 9,400.00                | 7,070.16            | 6,527.12            | 6,501.30            | 78.80           | 29.12       | -76.75                | -1,949.27                         | -6,778.10  | 6,043.34             | 5,974.55              | 68.79                   | 87.847            |                    |         |
| 9,500.00                | 7,070.17            | 6,529.10            | 6,503.24            | 81.37           | 29.13       | -76.80                | -1,949.64                         | -6,778.14  | 5,952.00             | 5,882.14              | 69.86                   | 85.204            |                    |         |
| 9,600.00                | 7,070.18            | 6,530.88            | 6,504.99            | 83.95           | 29.14       | -76.84                | -1,949.97                         | -6,778.17  | 5,860.94             | 5,789.96              | 70.98                   | 82.569            |                    |         |
| 9,700.00                | 7,070.19            | 6,532.49            | 6,506.57            | 86.55           | 29.14       | -76.88                | -1,950.28                         | -6,778.20  | 5,770.18             | 5,698.00              | 72.17                   | 79.948            |                    |         |
| 9,800.00                | 7,070.20            | 6,533.96            | 6,508.01            | 89.17           | 29.15       | -76.91                | -1,950.56                         | -6,778.22  | 5,679.72             | 5,606.29              | 73.43                   | 77.344            |                    |         |
| 9,900.00                | 7,070.21            | 6,535.30            | 6,509.33            | 91.80           | 29.15       | -76.95                | -1,950.83                         | -6,778.24  | 5,589.59             | 5,514.83              | 74.76                   | 74.764            |                    |         |
| 10,000.00               | 7,070.21            | 6,536.54            | 6,510.54            | 94.44           | 29.15       | -76.97                | -1,951.07                         | -6,778.26  | 5,499.80             | 5,423.64              | 76.16                   | 72.210            |                    |         |
| 10,100.00               | 7,070.22            | 6,537.67            | 6,511.65            | 97.10           | 29.16       | -77.00                | -1,951.29                         | -6,778.28  | 5,410.37             | 5,332.74              | 77.64                   | 69.687            |                    |         |
| 10,200.00               | 7,070.23            | 6,538.72            | 6,512.68            | 99.77           | 29.16       | -77.03                | -1,951.50                         | -6,778.29  | 5,321.32             | 5,242.13              | 79.19                   | 67.199            |                    |         |
| 10,300.00               | 7,070.24            | 6,539.69            | 6,513.63            | 102.44          | 29.16       | -77.05                | -1,951.69                         | -6,778.30  | 5,232.66             | 5,151.85              | 80.81                   | 64.749            |                    |         |
| 10,400.00               | 7,070.25            | 6,542.00            | 6,515.89            | 105.13          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 5,144.42             | 5,061.88              | 82.53                   | 62.330            |                    |         |
| 10,500.00               | 7,070.26            | 6,542.00            | 6,515.89            | 107.83          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 5,056.61             | 4,972.30              | 84.32                   | 59.973            |                    |         |
| 10,600.00               | 7,070.27            | 6,542.00            | 6,515.89            | 110.53          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,969.27             | 4,883.09              | 86.18                   | 57.661            |                    |         |
| 10,700.00               | 7,070.28            | 6,542.00            | 6,515.89            | 113.24          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,882.41             | 4,794.27              | 88.13                   | 55.398            |                    |         |
| 10,800.00               | 7,070.28            | 6,542.00            | 6,515.89            | 115.96          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,796.06             | 4,705.88              | 90.17                   | 53.186            |                    |         |
| 10,900.00               | 7,070.29            | 6,542.00            | 6,515.89            | 118.69          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,710.25             | 4,617.94              | 92.31                   | 51.027            |                    |         |
| 11,000.00               | 7,070.30            | 6,542.00            | 6,515.89            | 121.42          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,625.01             | 4,530.48              | 94.54                   | 48.922            |                    |         |
| 11,100.00               | 7,070.31            | 6,542.00            | 6,515.89            | 124.16          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,540.38             | 4,443.51              | 96.86                   | 46.873            |                    |         |
| 11,200.00               | 7,070.32            | 6,542.00            | 6,515.89            | 126.90          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,456.38             | 4,357.09              | 99.29                   | 44.881            |                    |         |
| 11,300.00               | 7,070.33            | 6,542.00            | 6,515.89            | 129.65          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,373.05             | 4,271.23              | 101.82                  | 42.947            |                    |         |
| 11,400.00               | 7,070.34            | 6,542.00            | 6,515.89            | 132.40          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,290.44             | 4,185.98              | 104.46                  | 41.071            |                    |         |
| 11,500.00               | 7,070.35            | 6,542.00            | 6,515.89            | 135.16          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,208.58             | 4,101.37              | 107.21                  | 39.254            |                    |         |
| 11,600.00               | 7,070.36            | 6,542.00            | 6,515.89            | 137.92          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,127.52             | 4,017.45              | 110.08                  | 37.497            |                    |         |
| 11,700.00               | 7,070.36            | 6,542.00            | 6,515.89            | 140.69          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 4,047.31             | 3,934.26              | 113.06                  | 35.799            |                    |         |
| 11,800.00               | 7,070.37            | 6,542.00            | 6,515.89            | 143.46          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,968.00             | 3,851.84              | 116.16                  | 34.161            |                    |         |
| 11,900.00               | 7,070.38            | 6,542.00            | 6,515.89            | 146.23          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,889.64             | 3,770.26              | 119.38                  | 32.583            |                    |         |
| 12,000.00               | 7,070.39            | 6,542.00            | 6,515.89            | 149.01          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,812.30             | 3,689.57              | 122.73                  | 31.063            |                    |         |
| 12,100.00               | 7,070.40            | 6,542.00            | 6,515.89            | 151.79          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,736.03             | 3,609.82              | 126.20                  | 29.603            |                    |         |
| 12,200.00               | 7,070.41            | 6,542.00            | 6,515.89            | 154.57          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,660.90             | 3,531.09              | 129.81                  | 28.202            |                    |         |
| 12,300.00               | 7,070.42            | 6,542.00            | 6,515.89            | 157.35          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,586.98             | 3,453.43              | 133.55                  | 26.859            |                    |         |
| 12,400.00               | 7,070.43            | 6,542.00            | 6,515.89            | 160.14          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,514.36             | 3,376.94              | 137.43                  | 25.573            |                    |         |
| 12,500.00               | 7,070.44            | 6,542.00            | 6,515.89            | 162.93          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,443.11             | 3,301.68              | 141.43                  | 24.344            |                    |         |
| 12,600.00               | 7,070.44            | 6,542.00            | 6,515.89            | 165.72          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,373.32             | 3,227.74              | 145.58                  | 23.172            |                    |         |
| 12,700.00               | 7,070.45            | 6,542.00            | 6,515.89            | 168.52          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,305.09             | 3,155.23              | 149.86                  | 22.055            |                    |         |
| 12,800.00               | 7,070.46            | 6,542.00            | 6,515.89            | 171.32          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,238.50             | 3,084.23              | 154.27                  | 20.993            |                    |         |
| 12,900.00               | 7,070.47            | 6,542.00            | 6,515.89            | 174.11          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,173.67             | 3,014.86              | 158.81                  | 19.985            |                    |         |
| 13,000.00               | 7,070.48            | 6,542.00            | 6,515.89            | 176.92          | 29.17       | -77.10                | -1,952.16                         | -6,778.33  | 3,110.70             | 2,947.23              | 163.47                  | 19.029            |                    |         |
| 13,100.00               | 7,070.49            | 6,551.85            | 6,525.53            | 179.72          | 29.20       | -77.33                | -1,954.20                         | -6,778.43  | 3,049.66             | 2,881.23              | 168.43                  | 18.107            |                    |         |
| 13,200.00               | 7,070.50            | 6,552.15            | 6,525.82            | 182.52          | 29.20       | -77.34                | -1,954.26                         | -6,778.44  | 2,990.77             | 2,817.44              | 173.33                  | 17.255            |                    |         |
| 13,300.00               | 7,070.51            | 6,552.44            | 6,526.11            | 185.33          | 29.21       | -77.35                | -1,954.33                         | -6,778.44  | 2,934.10             | 2,755.78              | 178.32                  | 16.454            |                    |         |
| 13,400.00               | 7,070.52            | 6,552.73            | 6,526.39            | 188.14          | 29.21       | -77.35                | -1,954.39                         | -6,778.44  | 2,879.80             | 2,696.40              | 183.40                  | 15.702            |                    |         |
| 13,500.00               | 7,070.52            | 6,553.01            | 6,526.66            | 190.95          | 29.21       | -77.36                | -1,954.45                         | -6,778.45  | 2,827.98             | 2,639.43              | 188.55                  | 14.999            |                    |         |
| 13,600.00               | 7,070.53            | 6,553.29            | 6,526.94            | 193.76          | 29.21       | -77.37                | -1,954.51                         | -6,778.45  | 2,778.81             | 2,585.06              | 193.75                  | 14.342            |                    |         |
| 13,700.00               | 7,070.54            | 6,553.57            | 6,527.20            | 196.57          | 29.21       | -77.37                | -1,954.57                         | -6,778.45  | 2,732.40             | 2,533.43              | 198.97                  | 13.732            |                    |         |
| 13,800.00               | 7,070.55            | 6,553.83            | 6,527.47            | 199.38          | 29.21       | -77.38                | -1,954.62                         | -6,778.45  | 2,688.92             | 2,484.71              | 204.20                  | 13.168            |                    |         |
| 13,900.00               | 7,070.56            | 6,554.10            | 6,527.72            | 202.20          | 29.21       | -77.39                | -1,954.68                         | -6,778.45  | 2,648.50             | 2,439.09              | 209.41                  | 12.647            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 146-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00               | 7,070.57            | 6,554.36            | 6,527.98            | 205.01          | 29.21       | -77.39                | -1,954.74                         | -6,778.46  | 2,611.28             | 2,396.72              | 214.56                  | 12.170            |                    |         |
| 14,100.00               | 7,070.58            | 6,554.61            | 6,528.23            | 207.83          | 29.21       | -77.40                | -1,954.79                         | -6,778.46  | 2,577.41             | 2,357.79              | 219.63                  | 11.735            |                    |         |
| 14,200.00               | 7,070.59            | 6,554.87            | 6,528.47            | 210.65          | 29.21       | -77.41                | -1,954.85                         | -6,778.46  | 2,547.02             | 2,322.45              | 224.58                  | 11.342            |                    |         |
| 14,300.00               | 7,070.60            | 6,555.11            | 6,528.71            | 213.47          | 29.21       | -77.41                | -1,954.90                         | -6,778.46  | 2,520.23             | 2,290.87              | 229.37                  | 10.988            |                    |         |
| 14,400.00               | 7,070.60            | 6,555.36            | 6,528.95            | 216.29          | 29.21       | -77.42                | -1,954.95                         | -6,778.46  | 2,497.17             | 2,263.20              | 233.97                  | 10.673            |                    |         |
| 14,500.00               | 7,070.61            | 6,555.59            | 6,529.18            | 219.11          | 29.22       | -77.42                | -1,955.00                         | -6,778.47  | 2,477.92             | 2,239.58              | 238.34                  | 10.396            |                    |         |
| 14,600.00               | 7,070.62            | 6,555.83            | 6,529.41            | 221.94          | 29.22       | -77.43                | -1,955.05                         | -6,778.47  | 2,462.59             | 2,220.13              | 242.46                  | 10.157            |                    |         |
| 14,700.00               | 7,070.63            | 6,556.06            | 6,529.64            | 224.76          | 29.22       | -77.43                | -1,955.10                         | -6,778.47  | 2,451.25             | 2,204.97              | 246.28                  | 9.953             |                    |         |
| 14,800.00               | 7,070.64            | 6,556.29            | 6,529.86            | 227.58          | 29.22       | -77.44                | -1,955.15                         | -6,778.47  | 2,443.95             | 2,194.16              | 249.78                  | 9.784             |                    |         |
| 14,900.00               | 7,070.65            | 6,556.52            | 6,530.08            | 230.41          | 29.22       | -77.44                | -1,955.20                         | -6,778.47  | 2,440.72             | 2,187.78              | 252.94                  | 9.649             |                    |         |
| 14,928.72               | 7,070.65            | 6,556.58            | 6,530.14            | 231.22          | 29.22       | -77.45                | -1,955.22                         | -6,778.47  | 2,440.55             | 2,186.77              | 253.79                  | 9.617 CC          |                    |         |
| 15,000.00               | 7,070.66            | 6,556.74            | 6,530.30            | 233.24          | 29.22       | -77.45                | -1,955.25                         | -6,778.48  | 2,441.60             | 2,185.85              | 255.74                  | 9.547 ES          |                    |         |
| 15,100.00               | 7,070.67            | 6,556.95            | 6,530.51            | 236.06          | 29.22       | -77.45                | -1,955.30                         | -6,778.48  | 2,446.56             | 2,188.40              | 258.16                  | 9.477             |                    |         |
| 15,200.00               | 7,070.68            | 6,557.17            | 6,530.72            | 238.89          | 29.22       | -77.46                | -1,955.35                         | -6,778.48  | 2,455.59             | 2,195.39              | 260.20                  | 9.437             |                    |         |
| 15,300.00               | 7,070.68            | 6,557.38            | 6,530.93            | 241.72          | 29.22       | -77.46                | -1,955.39                         | -6,778.48  | 2,468.63             | 2,206.79              | 261.84                  | 9.428 SF          |                    |         |
| 15,400.00               | 7,070.69            | 6,557.59            | 6,531.13            | 244.55          | 29.22       | -77.47                | -1,955.44                         | -6,778.48  | 2,485.64             | 2,222.53              | 263.11                  | 9.447             |                    |         |
| 15,500.00               | 7,070.70            | 6,557.79            | 6,531.33            | 247.38          | 29.22       | -77.47                | -1,955.48                         | -6,778.48  | 2,506.52             | 2,242.52              | 264.00                  | 9.494             |                    |         |
| 15,600.00               | 7,070.71            | 6,558.00            | 6,531.53            | 250.21          | 29.22       | -77.48                | -1,955.53                         | -6,778.49  | 2,531.19             | 2,266.66              | 264.53                  | 9.569             |                    |         |
| 15,700.00               | 7,070.72            | 6,558.19            | 6,531.72            | 253.04          | 29.22       | -77.48                | -1,955.57                         | -6,778.49  | 2,559.53             | 2,294.81              | 264.72                  | 9.669             |                    |         |
| 15,800.00               | 7,070.73            | 6,558.39            | 6,531.91            | 255.87          | 29.22       | -77.49                | -1,955.61                         | -6,778.49  | 2,591.41             | 2,326.83              | 264.58                  | 9.794             |                    |         |
| 15,900.00               | 7,070.74            | 6,558.58            | 6,532.10            | 258.71          | 29.23       | -77.49                | -1,955.66                         | -6,778.49  | 2,626.72             | 2,362.58              | 264.15                  | 9.944             |                    |         |
| 16,000.00               | 7,070.75            | 6,558.78            | 6,532.29            | 261.54          | 29.23       | -77.50                | -1,955.70                         | -6,778.49  | 2,665.32             | 2,401.88              | 263.44                  | 10.117            |                    |         |
| 16,100.00               | 7,070.76            | 6,558.96            | 6,532.47            | 264.37          | 29.23       | -77.50                | -1,955.74                         | -6,778.49  | 2,707.06             | 2,444.57              | 262.49                  | 10.313            |                    |         |
| 16,200.00               | 7,070.76            | 6,559.15            | 6,532.65            | 267.21          | 29.23       | -77.51                | -1,955.78                         | -6,778.49  | 2,751.81             | 2,490.49              | 261.32                  | 10.530            |                    |         |
| 16,300.00               | 7,070.77            | 6,559.33            | 6,532.83            | 270.04          | 29.23       | -77.51                | -1,955.82                         | -6,778.49  | 2,799.41             | 2,539.46              | 259.95                  | 10.769            |                    |         |
| 16,400.00               | 7,070.78            | 6,559.51            | 6,533.01            | 272.88          | 29.23       | -77.51                | -1,955.86                         | -6,778.50  | 2,849.73             | 2,591.31              | 258.42                  | 11.028            |                    |         |
| 16,500.00               | 7,070.79            | 6,559.69            | 6,533.18            | 275.71          | 29.23       | -77.52                | -1,955.90                         | -6,778.50  | 2,902.62             | 2,645.88              | 256.74                  | 11.306            |                    |         |
| 16,600.00               | 7,070.80            | 6,559.86            | 6,533.35            | 278.55          | 29.23       | -77.52                | -1,955.94                         | -6,778.50  | 2,957.95             | 2,703.01              | 254.93                  | 11.603            |                    |         |
| 16,700.00               | 7,070.81            | 6,560.04            | 6,533.52            | 281.39          | 29.23       | -77.53                | -1,955.98                         | -6,778.50  | 3,015.58             | 2,762.55              | 253.03                  | 11.918            |                    |         |
| 16,800.00               | 7,070.82            | 6,560.21            | 6,533.69            | 284.22          | 29.23       | -77.53                | -1,956.01                         | -6,778.50  | 3,075.38             | 2,824.33              | 251.04                  | 12.250            |                    |         |
| 16,900.00               | 7,070.83            | 6,560.38            | 6,533.85            | 287.06          | 29.23       | -77.53                | -1,956.05                         | -6,778.50  | 3,137.23             | 2,888.23              | 248.99                  | 12.600            |                    |         |
| 17,000.00               | 7,070.84            | 6,560.54            | 6,534.01            | 289.90          | 29.23       | -77.54                | -1,956.09                         | -6,778.50  | 3,201.01             | 2,954.11              | 246.90                  | 12.965            |                    |         |
| 17,100.00               | 7,070.84            | 6,560.71            | 6,534.17            | 292.74          | 29.23       | -77.54                | -1,956.12                         | -6,778.50  | 3,266.60             | 3,021.84              | 244.76                  | 13.346            |                    |         |
| 17,200.00               | 7,070.85            | 6,560.87            | 6,534.33            | 295.58          | 29.23       | -77.55                | -1,956.16                         | -6,778.51  | 3,333.91             | 3,091.30              | 242.61                  | 13.742            |                    |         |
| 17,300.00               | 7,070.86            | 6,561.03            | 6,534.48            | 298.42          | 29.23       | -77.55                | -1,956.19                         | -6,778.51  | 3,402.82             | 3,162.38              | 240.44                  | 14.152            |                    |         |
| 17,400.00               | 7,070.87            | 6,561.19            | 6,534.64            | 301.26          | 29.23       | -77.55                | -1,956.23                         | -6,778.51  | 3,473.25             | 3,234.98              | 238.27                  | 14.577            |                    |         |
| 17,500.00               | 7,070.88            | 6,561.34            | 6,534.79            | 304.10          | 29.23       | -77.56                | -1,956.26                         | -6,778.51  | 3,545.10             | 3,308.99              | 236.11                  | 15.015            |                    |         |
| 17,600.00               | 7,070.89            | 6,561.49            | 6,534.94            | 306.94          | 29.23       | -77.56                | -1,956.30                         | -6,778.51  | 3,618.28             | 3,384.32              | 233.96                  | 15.465            |                    |         |
| 17,700.00               | 7,070.90            | 6,561.65            | 6,535.09            | 309.78          | 29.24       | -77.56                | -1,956.33                         | -6,778.51  | 3,692.72             | 3,460.89              | 231.83                  | 15.928            |                    |         |
| 17,800.00               | 7,070.91            | 6,561.80            | 6,535.23            | 312.62          | 29.24       | -77.57                | -1,956.36                         | -6,778.51  | 3,768.35             | 3,538.62              | 229.73                  | 16.404            |                    |         |
| 17,900.00               | 7,070.92            | 6,561.94            | 6,535.38            | 315.46          | 29.24       | -77.57                | -1,956.40                         | -6,778.51  | 3,845.09             | 3,617.44              | 227.65                  | 16.890            |                    |         |
| 18,000.00               | 7,070.92            | 6,562.09            | 6,535.52            | 318.31          | 29.24       | -77.57                | -1,956.43                         | -6,778.51  | 3,922.88             | 3,697.27              | 225.61                  | 17.388            |                    |         |
| 18,100.00               | 7,070.93            | 6,562.23            | 6,535.66            | 321.15          | 29.24       | -77.58                | -1,956.46                         | -6,778.51  | 4,001.65             | 3,778.05              | 223.60                  | 17.897            |                    |         |
| 18,200.00               | 7,070.94            | 6,562.37            | 6,535.79            | 323.99          | 29.28       | -77.85                | -1,959.16                         | -6,778.57  | 4,081.43             | 3,859.58              | 221.85                  | 18.398            |                    |         |
| 18,300.00               | 7,070.95            | 6,562.50            | 6,535.91            | 326.83          | 29.28       | -77.85                | -1,959.16                         | -6,778.57  | 4,162.01             | 3,942.10              | 219.91                  | 18.926            |                    |         |
| 18,400.00               | 7,070.96            | 6,562.63            | 6,536.03            | 329.68          | 29.28       | -77.85                | -1,959.16                         | -6,778.57  | 4,243.41             | 4,025.40              | 218.01                  | 19.465            |                    |         |
| 18,500.00               | 7,070.97            | 6,562.76            | 6,536.15            | 332.52          | 29.28       | -77.85                | -1,959.16                         | -6,778.57  | 4,325.59             | 4,109.45              | 216.15                  | 20.012            |                    |         |
| 18,600.00               | 7,070.98            | 6,562.89            | 6,536.27            | 335.36          | 29.28       | -77.85                | -1,959.16                         | -6,778.57  | 4,408.51             | 4,194.19              | 214.33                  | 20.569            |                    |         |
| 18,700.00               | 7,070.99            | 6,563.01            | 6,536.39            | 338.21          | 29.28       | -77.85                | -1,959.16                         | -6,778.57  | 4,492.13             | 4,279.58              | 212.55                  | 21.134            |                    |         |
| 18,800.00               | 7,070.99            | 6,563.13            | 6,536.51            | 341.05          | 29.28       | -77.85                | -1,959.16                         | -6,778.57  | 4,576.40             | 4,365.59              | 210.82                  | 21.708            |                    |         |
| 18,858.54               | 7,071.00            | 6,563.25            | 6,536.63            | 342.72          | 29.28       | -77.85                | -1,959.16                         | -6,778.57  | 4,626.03             | 4,416.21              | 209.82                  | 22.048            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 1200-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                     | 0.00                | 15.00               | -15.00              | 3.28            | 3.28        | -111.34               | -2,212.87                         | -5,663.95  | 6,080.89             |                       |                         |                   |                    |         |
| 100.00                   | 100.00              | 85.00               | 85.00               | 3.28            | 3.29        | -111.34               | -2,212.87                         | -5,663.95  | 6,080.89             | 6,074.32              | 6.57                    | 925.553           |                    |         |
| 200.00                   | 200.00              | 185.00              | 185.00              | 3.34            | 3.31        | -111.34               | -2,212.87                         | -5,663.95  | 6,080.89             | 6,074.24              | 6.64                    | 915.511           |                    |         |
| 300.00                   | 300.00              | 285.00              | 285.00              | 3.44            | 3.34        | -111.34               | -2,212.87                         | -5,663.95  | 6,080.89             | 6,074.10              | 6.78                    | 896.358           |                    |         |
| 400.00                   | 399.98              | 384.98              | 384.98              | 3.60            | 3.39        | 176.16                | -2,212.87                         | -5,663.95  | 6,082.63             | 6,075.64              | 6.99                    | 870.418           |                    |         |
| 500.00                   | 499.84              | 484.84              | 484.84              | 3.80            | 3.45        | 176.15                | -2,212.87                         | -5,663.95  | 6,087.85             | 6,080.60              | 7.25                    | 839.639           |                    |         |
| 600.00                   | 599.45              | 584.45              | 584.45              | 4.04            | 3.52        | 176.15                | -2,212.87                         | -5,663.95  | 6,096.54             | 6,088.98              | 7.57                    | 805.795           |                    |         |
| 700.00                   | 698.70              | 683.70              | 683.70              | 4.32            | 3.61        | 176.14                | -2,212.87                         | -5,663.95  | 6,108.70             | 6,100.78              | 7.93                    | 770.613           |                    |         |
| 800.00                   | 797.47              | 782.47              | 782.47              | 4.63            | 3.70        | 176.13                | -2,212.87                         | -5,663.95  | 6,124.31             | 6,115.98              | 8.33                    | 735.399           |                    |         |
| 900.00                   | 895.62              | 880.62              | 880.62              | 4.97            | 3.81        | 176.11                | -2,212.87                         | -5,663.95  | 6,143.35             | 6,134.59              | 8.76                    | 701.063           |                    |         |
| 924.00                   | 919.08              | 904.08              | 904.08              | 5.06            | 3.83        | 176.11                | -2,212.87                         | -5,663.95  | 6,148.43             | 6,139.55              | 8.88                    | 692.686           |                    |         |
| 1,000.00                 | 993.28              | 978.28              | 978.28              | 5.34            | 3.92        | 176.12                | -2,212.87                         | -5,663.95  | 6,164.81             | 6,155.59              | 9.22                    | 668.300           |                    |         |
| 1,100.00                 | 1,090.92            | 1,075.92            | 1,075.92            | 5.73            | 4.04        | 176.13                | -2,212.87                         | -5,663.95  | 6,186.38             | 6,176.67              | 9.70                    | 637.494           |                    |         |
| 1,200.00                 | 1,188.56            | 1,173.56            | 1,173.56            | 6.15            | 4.17        | 176.15                | -2,212.87                         | -5,663.95  | 6,207.94             | 6,197.73              | 10.21                   | 608.246           |                    |         |
| 1,300.00                 | 1,286.19            | 1,271.19            | 1,271.19            | 6.57            | 4.31        | 176.16                | -2,212.87                         | -5,663.95  | 6,229.50             | 6,218.78              | 10.73                   | 580.699           |                    |         |
| 1,400.00                 | 1,383.83            | 1,273.91            | 1,273.90            | 7.01            | 4.41        | 176.17                | -2,212.36                         | -5,664.76  | 6,252.35             | 6,241.13              | 11.22                   | 557.103           |                    |         |
| 1,500.00                 | 1,481.47            | 1,300.00            | 1,299.98            | 7.46            | 4.49        | 176.18                | -2,211.93                         | -5,665.42  | 6,275.87             | 6,264.17              | 11.69                   | 536.688           |                    |         |
| 1,600.00                 | 1,579.10            | 1,358.59            | 1,358.51            | 7.91            | 4.67        | 176.21                | -2,210.50                         | -5,667.65  | 6,300.14             | 6,287.86              | 12.27                   | 513.335           |                    |         |
| 1,700.00                 | 1,676.74            | 1,400.00            | 1,399.84            | 8.37            | 4.80        | 176.23                | -2,209.10                         | -5,669.82  | 6,325.30             | 6,312.49              | 12.81                   | 493.945           |                    |         |
| 1,800.00                 | 1,774.38            | 1,442.29            | 1,442.00            | 8.84            | 4.94        | 176.26                | -2,207.34                         | -5,672.57  | 6,351.30             | 6,337.95              | 13.35                   | 475.793           |                    |         |
| 1,900.00                 | 1,872.02            | 1,500.00            | 1,499.45            | 9.31            | 5.13        | 176.31                | -2,204.39                         | -5,677.16  | 6,378.18             | 6,364.23              | 13.95                   | 457.156           |                    |         |
| 2,000.00                 | 1,969.65            | 1,524.89            | 1,524.19            | 9.79            | 5.22        | 176.33                | -2,202.92                         | -5,679.44  | 6,405.80             | 6,391.36              | 14.44                   | 443.547           |                    |         |
| 2,100.00                 | 2,067.29            | 1,576.19            | 1,575.11            | 10.27           | 5.40        | 176.39                | -2,199.54                         | -5,684.70  | 6,434.31             | 6,419.28              | 15.03                   | 427.995           |                    |         |
| 2,200.00                 | 2,164.93            | 1,646.74            | 1,645.05            | 10.75           | 5.67        | 176.47                | -2,194.55                         | -5,692.48  | 6,463.39             | 6,447.68              | 15.71                   | 411.410           |                    |         |
| 2,300.00                 | 2,262.56            | 1,741.73            | 1,739.22            | 11.24           | 6.04        | 176.57                | -2,187.82                         | -5,702.94  | 6,492.53             | 6,476.04              | 16.50                   | 393.548           |                    |         |
| 2,400.00                 | 2,360.20            | 1,836.71            | 1,833.39            | 11.73           | 6.43        | 176.67                | -2,181.10                         | -5,713.40  | 6,521.70             | 6,504.39              | 17.30                   | 376.930           |                    |         |
| 2,500.00                 | 2,457.84            | 1,931.70            | 1,927.56            | 12.22           | 6.83        | 176.77                | -2,174.38                         | -5,723.87  | 6,550.88             | 6,532.76              | 18.12                   | 361.529           |                    |         |
| 2,600.00                 | 2,555.48            | 2,026.69            | 2,021.73            | 12.71           | 7.24        | 176.88                | -2,167.65                         | -5,734.33  | 6,580.08             | 6,561.13              | 18.95                   | 347.253           |                    |         |
| 2,700.00                 | 2,653.11            | 2,121.67            | 2,115.89            | 13.20           | 7.66        | 176.98                | -2,160.93                         | -5,744.79  | 6,609.30             | 6,589.51              | 19.79                   | 334.014           |                    |         |
| 2,800.00                 | 2,750.75            | 2,216.66            | 2,210.06            | 13.70           | 8.09        | 177.08                | -2,154.21                         | -5,755.26  | 6,638.54             | 6,617.90              | 20.63                   | 321.726           |                    |         |
| 2,900.00                 | 2,848.39            | 2,311.64            | 2,304.23            | 14.19           | 8.53        | 177.17                | -2,147.48                         | -5,765.72  | 6,667.79             | 6,646.31              | 21.49                   | 310.307           |                    |         |
| 3,000.00                 | 2,946.02            | 2,406.63            | 2,398.40            | 14.69           | 8.97        | 177.27                | -2,140.76                         | -5,776.19  | 6,697.07             | 6,674.72              | 22.35                   | 299.680           |                    |         |
| 3,100.00                 | 3,043.66            | 2,501.62            | 2,492.57            | 15.19           | 9.41        | 177.37                | -2,134.04                         | -5,786.65  | 6,726.36             | 6,703.15              | 23.21                   | 289.776           |                    |         |
| 3,200.00                 | 3,141.30            | 2,603.40            | 2,586.74            | 15.69           | 9.90        | 177.47                | -2,127.31                         | -5,797.11  | 6,755.67             | 6,731.56              | 24.11                   | 280.174           |                    |         |
| 3,300.00                 | 3,238.94            | 2,708.41            | 2,680.90            | 16.19           | 10.40       | 177.56                | -2,120.59                         | -5,807.58  | 6,785.00             | 6,759.97              | 25.03                   | 271.057           |                    |         |
| 3,400.00                 | 3,336.57            | 2,786.57            | 2,775.07            | 16.69           | 10.77       | 177.66                | -2,113.87                         | -5,818.04  | 6,814.35             | 6,788.52              | 25.83                   | 263.796           |                    |         |
| 3,500.00                 | 3,434.21            | 2,881.56            | 2,869.24            | 17.19           | 11.23       | 177.75                | -2,107.14                         | -5,828.50  | 6,843.71             | 6,817.00              | 26.71                   | 256.206           |                    |         |
| 3,600.00                 | 3,531.85            | 2,976.55            | 2,963.41            | 17.69           | 11.69       | 177.84                | -2,100.42                         | -5,838.97  | 6,873.09             | 6,845.50              | 27.59                   | 249.075           |                    |         |
| 3,700.00                 | 3,629.48            | 3,071.53            | 3,057.58            | 18.20           | 12.16       | 177.93                | -2,093.70                         | -5,849.43  | 6,902.49             | 6,874.01              | 28.48                   | 242.367           |                    |         |
| 3,800.00                 | 3,727.12            | 3,166.52            | 3,151.75            | 18.70           | 12.62       | 178.03                | -2,086.97                         | -5,859.90  | 6,931.90             | 6,902.53              | 29.37                   | 236.046           |                    |         |
| 3,900.00                 | 3,824.76            | 3,261.50            | 3,245.91            | 19.21           | 13.09       | 178.12                | -2,080.25                         | -5,870.36  | 6,961.33             | 6,931.07              | 30.26                   | 230.082           |                    |         |
| 4,000.00                 | 3,922.40            | 3,356.49            | 3,340.08            | 19.71           | 13.56       | 178.21                | -2,073.53                         | -5,880.82  | 6,990.77             | 6,959.62              | 31.15                   | 224.447           |                    |         |
| 4,100.00                 | 4,020.03            | 3,451.48            | 3,434.25            | 20.21           | 14.03       | 178.30                | -2,066.80                         | -5,891.29  | 7,020.23             | 6,988.19              | 32.04                   | 219.114           |                    |         |
| 4,200.00                 | 4,117.67            | 3,546.46            | 3,528.42            | 20.72           | 14.50       | 178.38                | -2,060.08                         | -5,901.75  | 7,049.71             | 7,016.77              | 32.93                   | 214.062           |                    |         |
| 4,300.00                 | 4,215.31            | 3,641.45            | 3,622.59            | 21.23           | 14.97       | 178.47                | -2,053.36                         | -5,912.22  | 7,079.20             | 7,045.37              | 33.83                   | 209.270           |                    |         |
| 4,400.00                 | 4,312.94            | 3,736.43            | 3,716.76            | 21.73           | 15.44       | 178.56                | -2,046.63                         | -5,922.68  | 7,108.70             | 7,073.98              | 34.72                   | 204.718           |                    |         |
| 4,500.00                 | 4,410.58            | 3,831.42            | 3,810.92            | 22.24           | 15.92       | 178.64                | -2,039.91                         | -5,933.14  | 7,138.23             | 7,102.60              | 35.62                   | 200.390           |                    |         |
| 4,600.00                 | 4,508.22            | 3,926.41            | 3,905.09            | 22.75           | 16.39       | 178.73                | -2,033.19                         | -5,943.61  | 7,167.76             | 7,131.24              | 36.52                   | 196.270           |                    |         |
| 4,700.00                 | 4,605.86            | 4,021.39            | 3,999.26            | 23.25           | 16.87       | 178.81                | -2,026.46                         | -5,954.07  | 7,197.31             | 7,159.89              | 37.42                   | 192.344           |                    |         |
| 4,800.00                 | 4,703.49            | 4,116.38            | 4,093.43            | 23.76           | 17.34       | 178.90                | -2,019.74                         | -5,964.53  | 7,226.88             | 7,188.56              | 38.32                   | 188.598           |                    |         |
| 4,900.00                 | 4,801.13            | 4,211.37            | 4,187.60            | 24.27           | 17.82       | 178.98                | -2,013.02                         | -5,975.00  | 7,256.46             | 7,217.24              | 39.22                   | 185.021           |                    |         |
| 5,000.00                 | 4,898.77            | 4,306.35            | 4,281.76            | 24.77           | 18.30       | 179.06                | -2,006.29                         | -5,985.46  | 7,286.05             | 7,245.93              | 40.12                   | 181.602           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 1200-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                 | 4,996.40            | 4,401.34            | 4,375.93            | 25.28           | 18.78       | 179.15                | -1,999.57                         | -5,995.93  | 7,315.66             | 7,274.63              | 41.02                   | 178.331           |                    |         |
| 5,200.00                 | 5,094.04            | 4,503.68            | 4,470.10            | 25.79           | 19.29       | 179.23                | -1,992.85                         | -6,006.39  | 7,345.28             | 7,303.32              | 41.96                   | 175.052           |                    |         |
| 5,300.00                 | 5,191.68            | 4,591.31            | 4,564.27            | 26.30           | 19.74       | 179.31                | -1,986.12                         | -6,016.85  | 7,374.91             | 7,332.09              | 42.83                   | 172.196           |                    |         |
| 5,400.00                 | 5,289.32            | 4,686.30            | 4,658.44            | 26.81           | 20.21       | 179.39                | -1,979.40                         | -6,027.32  | 7,404.56             | 7,360.83              | 43.73                   | 169.317           |                    |         |
| 5,500.00                 | 5,386.95            | 4,781.28            | 4,752.61            | 27.32           | 20.70       | 179.47                | -1,972.68                         | -6,037.78  | 7,434.22             | 7,389.59              | 44.64                   | 166.552           |                    |         |
| 5,600.00                 | 5,484.59            | 4,876.27            | 4,846.77            | 27.83           | 21.18       | 179.55                | -1,965.95                         | -6,048.24  | 7,463.90             | 7,418.36              | 45.54                   | 163.896           |                    |         |
| 5,700.00                 | 5,582.23            | 4,971.25            | 4,940.94            | 28.33           | 21.66       | 179.63                | -1,959.23                         | -6,058.71  | 7,493.59             | 7,447.14              | 46.45                   | 161.342           |                    |         |
| 5,800.00                 | 5,679.87            | 5,067.85            | 5,037.57            | 28.84           | 22.14       | 179.71                | -1,952.51                         | -6,069.17  | 7,523.28             | 7,476.82              | 47.36                   | 158.888           |                    |         |
| 5,900.00                 | 5,777.50            | 5,165.48            | 5,135.20            | 29.35           | 22.62       | 179.79                | -1,945.79                         | -6,079.64  | 7,552.97             | 7,506.51              | 48.27                   | 156.434           |                    |         |
| 6,000.00                 | 5,875.14            | 5,263.11            | 5,232.83            | 29.86           | 23.10       | 179.87                | -1,939.07                         | -6,090.11  | 7,582.66             | 7,536.20              | 49.18                   | 153.980           |                    |         |
| 6,100.00                 | 5,972.78            | 5,360.75            | 5,330.47            | 30.37           | 23.58       | 179.95                | -1,932.35                         | -6,100.58  | 7,612.35             | 7,565.89              | 50.09                   | 151.526           |                    |         |
| 6,200.00                 | 6,070.41            | 5,458.38            | 5,428.10            | 30.88           | 24.06       | 179.93                | -1,925.63                         | -6,111.05  | 7,642.04             | 7,595.58              | 51.00                   | 149.072           |                    |         |
| 6,300.00                 | 6,168.05            | 5,556.01            | 5,525.73            | 31.39           | 24.54       | 179.93                | -1,918.91                         | -6,121.52  | 7,671.73             | 7,625.27              | 51.91                   | 146.618           |                    |         |
| 6,400.00                 | 6,265.69            | 5,653.64            | 5,623.36            | 31.90           | 25.02       | 179.93                | -1,912.19                         | -6,132.00  | 7,701.42             | 7,654.96              | 52.82                   | 144.164           |                    |         |
| 6,439.09                 | 6,303.85            | 5,691.80            | 5,661.52            | 32.10           | 25.36       | 179.93                | -1,905.47                         | -6,142.47  | 7,731.11             | 7,684.65              | 53.73                   | 141.710           |                    |         |
| 6,450.00                 | 6,314.53            | 5,702.51            | 5,672.23            | 32.16           | 25.40       | -178.53               | -1,902.75                         | -6,145.75  | 7,738.89             | 7,691.93              | 53.86                   | 141.366           |                    |         |
| 6,500.00                 | 6,363.83            | 5,751.82            | 5,721.54            | 32.39           | 25.59       | -166.90               | -1,896.03                         | -6,156.22  | 7,768.58             | 7,722.02              | 54.77                   | 138.912           |                    |         |
| 6,550.00                 | 6,413.58            | 5,801.57            | 5,771.29            | 32.60           | 25.79       | -134.21               | -1,889.31                         | -6,166.69  | 7,798.27             | 7,751.71              | 55.68                   | 136.458           |                    |         |
| 6,600.00                 | 6,463.45            | 5,851.44            | 5,821.16            | 32.79           | 25.98       | -73.38                | -1,882.59                         | -6,177.16  | 7,827.96             | 7,781.40              | 56.59                   | 134.004           |                    |         |
| 6,650.00                 | 6,513.15            | 5,901.14            | 5,870.88            | 32.97           | 26.18       | -45.99                | -1,875.87                         | -6,187.63  | 7,857.65             | 7,811.09              | 57.50                   | 131.550           |                    |         |
| 6,700.00                 | 6,562.37            | 5,950.00            | 5,919.72            | 33.15           | 26.04       | -36.15                | -1,869.15                         | -6,198.10  | 7,887.34             | 7,840.78              | 58.41                   | 129.096           |                    |         |
| 6,750.00                 | 6,610.80            | 6,000.00            | 6,000.00            | 33.34           | 26.04       | -31.61                | -1,862.43                         | -6,208.57  | 7,917.03             | 7,870.47              | 59.32                   | 126.642           |                    |         |
| 6,800.00                 | 6,658.14            | 6,050.00            | 6,050.00            | 33.53           | 26.04       | -29.20                | -1,855.71                         | -6,219.04  | 7,946.72             | 7,900.16              | 60.23                   | 124.188           |                    |         |
| 6,850.00                 | 6,704.11            | 6,100.00            | 6,100.00            | 33.74           | 26.04       | -27.91                | -1,848.99                         | -6,229.51  | 7,976.41             | 7,929.85              | 61.14                   | 121.734           |                    |         |
| 6,900.00                 | 6,748.42            | 6,150.00            | 6,150.00            | 33.97           | 26.04       | -27.30                | -1,842.27                         | -6,240.00  | 8,006.10             | 7,959.54              | 62.05                   | 119.280           |                    |         |
| 6,950.00                 | 6,790.79            | 6,200.00            | 6,200.00            | 34.21           | 26.17       | -27.29                | -1,835.55                         | -6,250.47  | 8,035.79             | 7,989.23              | 62.96                   | 116.826           |                    |         |
| 7,000.00                 | 6,830.97            | 6,250.00            | 6,250.00            | 34.48           | 26.20       | -27.61                | -1,828.83                         | -6,260.94  | 8,065.48             | 8,018.92              | 63.87                   | 114.372           |                    |         |
| 7,050.00                 | 6,868.71            | 6,300.00            | 6,300.00            | 34.77           | 26.23       | -28.31                | -1,822.11                         | -6,271.41  | 8,095.17             | 8,048.61              | 64.78                   | 111.918           |                    |         |
| 7,100.00                 | 6,903.77            | 6,350.00            | 6,350.00            | 35.09           | 26.37       | -29.56                | -1,815.39                         | -6,281.88  | 8,124.86             | 8,078.30              | 65.69                   | 109.464           |                    |         |
| 7,150.00                 | 6,935.93            | 6,400.00            | 6,400.00            | 35.44           | 26.37       | -31.02                | -1,808.67                         | -6,292.35  | 8,154.55             | 8,107.99              | 66.60                   | 107.010           |                    |         |
| 7,200.00                 | 6,965.01            | 6,450.00            | 6,450.00            | 35.83           | 26.37       | -32.95                | -1,801.95                         | -6,302.82  | 8,184.24             | 8,137.68              | 67.51                   | 104.556           |                    |         |
| 7,250.00                 | 6,990.82            | 6,500.00            | 6,500.00            | 36.26           | 26.37       | -35.45                | -1,795.23                         | -6,313.29  | 8,213.93             | 8,167.37              | 68.42                   | 102.102           |                    |         |
| 7,300.00                 | 7,013.20            | 6,550.00            | 6,550.00            | 36.72           | 26.37       | -38.64                | -1,788.51                         | -6,323.76  | 8,243.62             | 8,197.06              | 69.33                   | 99.648            |                    |         |
| 7,350.00                 | 7,032.02            | 6,600.00            | 6,600.00            | 37.23           | 26.37       | -42.72                | -1,781.79                         | -6,334.23  | 8,273.31             | 8,226.75              | 70.24                   | 97.194            |                    |         |
| 7,400.00                 | 7,047.15            | 6,650.00            | 6,650.00            | 37.77           | 26.37       | -47.94                | -1,775.07                         | -6,344.70  | 8,303.00             | 8,256.44              | 71.15                   | 94.740            |                    |         |
| 7,450.00                 | 7,058.51            | 6,700.00            | 6,700.00            | 38.34           | 26.37       | -54.62                | -1,768.35                         | -6,355.17  | 8,332.69             | 8,286.13              | 72.06                   | 92.286            |                    |         |
| 7,500.00                 | 7,066.02            | 6,750.00            | 6,750.00            | 38.95           | 26.37       | -63.06                | -1,761.63                         | -6,365.64  | 8,362.38             | 8,315.82              | 72.97                   | 89.832            |                    |         |
| 7,550.00                 | 7,069.64            | 6,800.00            | 6,800.00            | 39.58           | 26.37       | -73.42                | -1,754.91                         | -6,376.11  | 8,392.07             | 8,345.51              | 73.88                   | 87.378            |                    |         |
| 7,571.20                 | 7,070.00            | 6,800.00            | 6,800.00            | 39.85           | 26.37       | -78.35                | -1,751.25                         | -6,380.45  | 8,403.35             | 8,356.79              | 74.15                   | 86.552            |                    |         |
| 7,600.00                 | 7,070.00            | 6,800.00            | 6,800.00            | 40.23           | 26.37       | -78.35                | -1,747.59                         | -6,384.79  | 8,414.63             | 8,368.07              | 74.42                   | 85.726            |                    |         |
| 7,700.00                 | 7,070.01            | 6,800.00            | 6,800.00            | 41.64           | 26.37       | -78.35                | -1,740.87                         | -6,395.26  | 8,444.32             | 8,397.76              | 75.33                   | 83.272            |                    |         |
| 7,800.00                 | 7,070.02            | 6,800.00            | 6,800.00            | 43.20           | 26.37       | -78.35                | -1,734.15                         | -6,405.73  | 8,474.01             | 8,427.45              | 76.24                   | 80.818            |                    |         |
| 7,900.00                 | 7,070.03            | 6,800.00            | 6,800.00            | 44.89           | 26.37       | -78.35                | -1,727.43                         | -6,416.20  | 8,503.70             | 8,457.14              | 77.15                   | 78.364            |                    |         |
| 8,000.00                 | 7,070.04            | 6,800.00            | 6,800.00            | 46.69           | 26.37       | -78.35                | -1,720.71                         | -6,426.67  | 8,533.39             | 8,486.83              | 78.06                   | 75.910            |                    |         |
| 8,100.00                 | 7,070.05            | 6,800.00            | 6,800.00            | 48.60           | 26.37       | -78.35                | -1,714.00                         | -6,437.14  | 8,563.08             | 8,516.52              | 78.97                   | 73.456            |                    |         |
| 8,200.00                 | 7,070.05            | 6,800.00            | 6,800.00            | 50.59           | 26.37       | -78.35                | -1,707.28                         | -6,447.61  | 8,592.77             | 8,546.21              | 79.88                   | 71.002            |                    |         |
| 8,300.00                 | 7,070.06            | 6,800.00            | 6,800.00            | 52.66           | 26.37       | -78.35                | -1,700.56                         | -6,458.08  | 8,622.46             | 8,575.90              | 80.79                   | 68.548            |                    |         |
| 8,400.00                 | 7,070.07            | 6,800.00            | 6,800.00            | 54.81           | 26.37       | -78.35                | -1,693.84                         | -6,468.55  | 8,652.15             | 8,605.59              | 81.70                   | 66.094            |                    |         |
| 8,500.00                 | 7,070.08            | 6,800.00            | 6,800.00            | 57.02           | 26.37       | -78.35                | -1,687.12                         | -6,479.02  | 8,681.84             | 8,635.28              | 82.61                   | 63.640            |                    |         |
| 8,600.00                 | 7,070.09            | 6,800.00            | 6,800.00            | 59.28           | 26.37       | -78.35                | -1,680.40                         | -6,489.49  | 8,711.53             | 8,664.97              | 83.52                   | 61.186            |                    |         |
| 8,700.00                 | 7,070.10            | 6,800.00            | 6,800.00            | 61.60           | 26.37       | -78.35                | -1,673.68                         | -6,500.00  | 8,741.22             | 8,694.66              | 84.43                   | 58.732            |                    |         |
| 8,800.00                 | 7,070.11            | 6,800.00            | 6,800.00            | 63.95           | 26.37       | -78.35                | -1,666.96                         | -6,510.51  | 8,770.91             | 8,724.35              | 85.34                   | 56.278            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 1200-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                 | 7,070.12            | 6,600.00            | 6,566.07            | 66.35           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,873.81             | 5,808.18              | 65.64                   | 89.486            |                    |         |
| 9,000.00                 | 7,070.13            | 6,600.00            | 6,566.07            | 68.79           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,782.88             | 5,716.31              | 66.56                   | 86.876            |                    |         |
| 9,100.00                 | 7,070.13            | 6,600.00            | 6,566.07            | 71.25           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,692.24             | 5,624.68              | 67.56                   | 84.256            |                    |         |
| 9,200.00                 | 7,070.14            | 6,600.00            | 6,566.07            | 73.74           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,601.93             | 5,533.30              | 68.62                   | 81.631            |                    |         |
| 9,300.00                 | 7,070.15            | 6,600.00            | 6,566.07            | 76.26           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,511.95             | 5,442.19              | 69.76                   | 79.009            |                    |         |
| 9,400.00                 | 7,070.16            | 6,600.00            | 6,566.07            | 78.80           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,422.32             | 5,351.34              | 70.98                   | 76.396            |                    |         |
| 9,500.00                 | 7,070.17            | 6,600.00            | 6,566.07            | 81.37           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,333.06             | 5,260.79              | 72.27                   | 73.797            |                    |         |
| 9,600.00                 | 7,070.18            | 6,600.00            | 6,566.07            | 83.95           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,244.19             | 5,170.55              | 73.63                   | 71.219            |                    |         |
| 9,700.00                 | 7,070.19            | 6,600.00            | 6,566.07            | 86.55           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,155.72             | 5,080.64              | 75.08                   | 68.666            |                    |         |
| 9,800.00                 | 7,070.20            | 6,600.00            | 6,566.07            | 89.17           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,067.69             | 4,991.07              | 76.62                   | 66.145            |                    |         |
| 9,900.00                 | 7,070.21            | 6,600.00            | 6,566.07            | 91.80           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,980.10             | 4,901.87              | 78.23                   | 63.659            |                    |         |
| 10,000.00                | 7,070.21            | 6,600.00            | 6,566.07            | 94.44           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,892.99             | 4,813.06              | 79.93                   | 61.212            |                    |         |
| 10,100.00                | 7,070.22            | 6,600.00            | 6,566.07            | 97.10           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,806.39             | 4,724.66              | 81.73                   | 58.810            |                    |         |
| 10,200.00                | 7,070.23            | 6,600.00            | 6,566.07            | 99.77           | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,720.31             | 4,636.70              | 83.61                   | 56.455            |                    |         |
| 10,300.00                | 7,070.24            | 6,600.00            | 6,566.07            | 102.44          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,634.79             | 4,549.20              | 85.59                   | 54.151            |                    |         |
| 10,400.00                | 7,070.25            | 6,600.00            | 6,566.07            | 105.13          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,549.87             | 4,462.20              | 87.67                   | 51.900            |                    |         |
| 10,500.00                | 7,070.26            | 6,600.00            | 6,566.07            | 107.83          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,465.56             | 4,375.72              | 89.84                   | 49.706            |                    |         |
| 10,600.00                | 7,070.27            | 6,600.00            | 6,566.07            | 110.53          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,381.92             | 4,289.80              | 92.12                   | 47.569            |                    |         |
| 10,700.00                | 7,070.28            | 6,600.00            | 6,566.07            | 113.24          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,298.98             | 4,204.48              | 94.50                   | 45.493            |                    |         |
| 10,800.00                | 7,070.28            | 6,600.00            | 6,566.07            | 115.96          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,216.77             | 4,119.78              | 96.99                   | 43.478            |                    |         |
| 10,900.00                | 7,070.29            | 6,600.00            | 6,566.07            | 118.69          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,135.35             | 4,035.76              | 99.59                   | 41.525            |                    |         |
| 11,000.00                | 7,070.30            | 6,600.00            | 6,566.07            | 121.42          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,054.76             | 3,952.46              | 102.30                  | 39.635            |                    |         |
| 11,100.00                | 7,070.31            | 6,600.00            | 6,566.07            | 124.16          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,975.06             | 3,869.93              | 105.13                  | 37.810            |                    |         |
| 11,200.00                | 7,070.32            | 6,600.00            | 6,566.07            | 126.90          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,896.29             | 3,788.21              | 108.08                  | 36.050            |                    |         |
| 11,300.00                | 7,070.33            | 6,600.00            | 6,566.07            | 129.65          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,818.51             | 3,707.36              | 111.15                  | 34.354            |                    |         |
| 11,400.00                | 7,070.34            | 6,600.00            | 6,566.07            | 132.40          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,741.79             | 3,627.44              | 114.35                  | 32.723            |                    |         |
| 11,500.00                | 7,070.35            | 6,600.00            | 6,566.07            | 135.16          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,666.19             | 3,548.52              | 117.67                  | 31.156            |                    |         |
| 11,600.00                | 7,070.36            | 6,600.00            | 6,566.07            | 137.92          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,591.79             | 3,470.66              | 121.12                  | 29.654            |                    |         |
| 11,700.00                | 7,070.36            | 6,600.00            | 6,566.07            | 140.69          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,518.65             | 3,393.95              | 124.70                  | 28.216            |                    |         |
| 11,800.00                | 7,070.37            | 6,600.00            | 6,566.07            | 143.46          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,446.87             | 3,318.45              | 128.42                  | 26.841            |                    |         |
| 11,900.00                | 7,070.38            | 6,600.00            | 6,566.07            | 146.23          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,376.52             | 3,244.25              | 132.26                  | 25.529            |                    |         |
| 12,000.00                | 7,070.39            | 6,600.00            | 6,566.07            | 149.01          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,307.69             | 3,171.46              | 136.23                  | 24.279            |                    |         |
| 12,100.00                | 7,070.40            | 6,600.00            | 6,566.07            | 151.79          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,240.49             | 3,100.16              | 140.34                  | 23.091            |                    |         |
| 12,200.00                | 7,070.41            | 6,600.00            | 6,566.07            | 154.57          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,175.02             | 3,030.46              | 144.57                  | 21.963            |                    |         |
| 12,300.00                | 7,070.42            | 6,600.00            | 6,566.07            | 157.35          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,111.39             | 2,962.47              | 148.92                  | 20.894            |                    |         |
| 12,400.00                | 7,070.43            | 6,600.00            | 6,566.07            | 160.14          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,049.71             | 2,896.33              | 153.38                  | 19.883            |                    |         |
| 12,500.00                | 7,070.44            | 6,600.00            | 6,566.07            | 162.93          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,990.10             | 2,832.14              | 157.95                  | 18.930            |                    |         |
| 12,600.00                | 7,070.44            | 6,600.00            | 6,566.07            | 165.72          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,932.69             | 2,770.06              | 162.63                  | 18.033            |                    |         |
| 12,700.00                | 7,070.45            | 6,600.00            | 6,566.07            | 168.52          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,877.61             | 2,710.23              | 167.38                  | 17.192            |                    |         |
| 12,800.00                | 7,070.46            | 6,600.00            | 6,566.07            | 171.32          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,825.00             | 2,652.78              | 172.21                  | 16.404            |                    |         |
| 12,900.00                | 7,070.47            | 6,600.00            | 6,566.07            | 174.11          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,774.99             | 2,597.89              | 177.10                  | 15.669            |                    |         |
| 13,000.00                | 7,070.48            | 6,600.00            | 6,566.07            | 176.92          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,727.74             | 2,545.72              | 182.01                  | 14.986            |                    |         |
| 13,100.00                | 7,070.49            | 6,600.00            | 6,566.07            | 179.72          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,683.38             | 2,496.43              | 186.94                  | 14.354            |                    |         |
| 13,200.00                | 7,070.50            | 6,600.00            | 6,566.07            | 182.52          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,642.06             | 2,450.20              | 191.86                  | 13.771            |                    |         |
| 13,300.00                | 7,070.51            | 6,600.00            | 6,566.07            | 185.33          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,603.93             | 2,407.19              | 196.74                  | 13.236            |                    |         |
| 13,400.00                | 7,070.52            | 6,600.00            | 6,566.07            | 188.14          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,569.13             | 2,367.59              | 201.54                  | 12.747            |                    |         |
| 13,500.00                | 7,070.52            | 6,600.00            | 6,566.07            | 190.95          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,537.80             | 2,331.55              | 206.24                  | 12.305            |                    |         |
| 13,600.00                | 7,070.53            | 6,600.00            | 6,566.07            | 193.76          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,510.06             | 2,299.25              | 210.81                  | 11.907            |                    |         |
| 13,700.00                | 7,070.54            | 6,600.00            | 6,566.07            | 196.57          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,486.03             | 2,270.83              | 215.20                  | 11.552            |                    |         |
| 13,800.00                | 7,070.55            | 6,600.00            | 6,566.07            | 199.38          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,465.83             | 2,246.44              | 219.39                  | 11.239            |                    |         |
| 13,900.00                | 7,070.56            | 6,600.00            | 6,566.07            | 202.20          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,449.55             | 2,226.20              | 223.35                  | 10.967            |                    |         |
| 14,000.00                | 7,070.57            | 6,600.00            | 6,566.07            | 205.01          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,437.27             | 2,210.23              | 227.04                  | 10.735            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 1200-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00                | 7,070.58            | 6,600.00            | 6,566.07            | 207.83          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,429.04             | 2,198.61              | 230.43                  | 10.541            |                    |         |
| 14,200.00                | 7,070.59            | 6,600.00            | 6,566.07            | 210.65          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,424.92             | 2,191.41              | 233.51                  | 10.385            |                    |         |
| 14,250.14                | 7,070.59            | 6,600.00            | 6,566.07            | 212.06          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,424.40             | 2,189.47              | 234.93                  | 10.320 CC         |                    |         |
| 14,300.00                | 7,070.60            | 6,600.00            | 6,566.07            | 213.47          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,424.91             | 2,188.66              | 236.25                  | 10.264 ES         |                    |         |
| 14,400.00                | 7,070.60            | 6,600.00            | 6,566.07            | 216.29          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,429.02             | 2,190.38              | 238.64                  | 10.179            |                    |         |
| 14,500.00                | 7,070.61            | 6,600.00            | 6,566.07            | 219.11          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,437.24             | 2,196.57              | 240.67                  | 10.127            |                    |         |
| 14,600.00                | 7,070.62            | 6,600.00            | 6,566.07            | 221.94          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,449.51             | 2,207.17              | 242.34                  | 10.108 SF         |                    |         |
| 14,700.00                | 7,070.63            | 6,600.00            | 6,566.07            | 224.76          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,465.78             | 2,222.13              | 243.65                  | 10.120            |                    |         |
| 14,800.00                | 7,070.64            | 6,600.00            | 6,566.07            | 227.58          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,485.97             | 2,241.36              | 244.61                  | 10.163            |                    |         |
| 14,900.00                | 7,070.65            | 6,600.00            | 6,566.07            | 230.41          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,509.98             | 2,264.75              | 245.24                  | 10.235            |                    |         |
| 15,000.00                | 7,070.66            | 6,600.00            | 6,566.07            | 233.24          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,537.71             | 2,292.18              | 245.53                  | 10.335            |                    |         |
| 15,100.00                | 7,070.67            | 6,600.00            | 6,566.07            | 236.06          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,569.04             | 2,323.51              | 245.53                  | 10.463            |                    |         |
| 15,200.00                | 7,070.68            | 6,600.00            | 6,566.07            | 238.89          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,603.83             | 2,358.59              | 245.25                  | 10.617            |                    |         |
| 15,300.00                | 7,070.68            | 6,600.00            | 6,566.07            | 241.72          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,641.95             | 2,397.25              | 244.70                  | 10.797            |                    |         |
| 15,400.00                | 7,070.69            | 6,600.00            | 6,566.07            | 244.55          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,683.26             | 2,439.33              | 243.93                  | 11.000            |                    |         |
| 15,500.00                | 7,070.70            | 6,600.00            | 6,566.07            | 247.38          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,727.61             | 2,484.67              | 242.94                  | 11.227            |                    |         |
| 15,600.00                | 7,070.71            | 6,600.00            | 6,566.07            | 250.21          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,774.86             | 2,533.08              | 241.77                  | 11.477            |                    |         |
| 15,700.00                | 7,070.72            | 6,600.00            | 6,566.07            | 253.04          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,824.85             | 2,584.41              | 240.44                  | 11.749            |                    |         |
| 15,800.00                | 7,070.73            | 6,600.00            | 6,566.07            | 255.87          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,877.46             | 2,638.48              | 238.97                  | 12.041            |                    |         |
| 15,900.00                | 7,070.74            | 6,600.00            | 6,566.07            | 258.71          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,932.53             | 2,695.14              | 237.39                  | 12.353            |                    |         |
| 16,000.00                | 7,070.75            | 6,600.00            | 6,566.07            | 261.54          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 2,989.93             | 2,754.22              | 235.71                  | 12.685            |                    |         |
| 16,100.00                | 7,070.76            | 6,600.00            | 6,566.07            | 264.37          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,049.54             | 2,815.59              | 233.95                  | 13.035            |                    |         |
| 16,200.00                | 7,070.76            | 6,600.00            | 6,566.07            | 267.21          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,111.21             | 2,879.08              | 232.13                  | 13.403            |                    |         |
| 16,300.00                | 7,070.77            | 6,600.00            | 6,566.07            | 270.04          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,174.84             | 2,944.58              | 230.26                  | 13.788            |                    |         |
| 16,400.00                | 7,070.78            | 6,600.00            | 6,566.07            | 272.88          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,240.31             | 3,011.95              | 228.36                  | 14.190            |                    |         |
| 16,500.00                | 7,070.79            | 6,600.00            | 6,566.07            | 275.71          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,307.50             | 3,081.07              | 226.43                  | 14.607            |                    |         |
| 16,600.00                | 7,070.80            | 6,600.00            | 6,566.07            | 278.55          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,376.32             | 3,151.82              | 224.50                  | 15.040            |                    |         |
| 16,700.00                | 7,070.81            | 6,600.00            | 6,566.07            | 281.39          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,446.67             | 3,224.11              | 222.56                  | 15.487            |                    |         |
| 16,800.00                | 7,070.82            | 6,600.00            | 6,566.07            | 284.22          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,518.45             | 3,297.83              | 220.62                  | 15.948            |                    |         |
| 16,900.00                | 7,070.83            | 6,600.00            | 6,566.07            | 287.06          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,591.58             | 3,372.89              | 218.69                  | 16.423            |                    |         |
| 17,000.00                | 7,070.84            | 6,600.00            | 6,566.07            | 289.90          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,665.98             | 3,449.20              | 216.78                  | 16.911            |                    |         |
| 17,100.00                | 7,070.84            | 6,600.00            | 6,566.07            | 292.74          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,741.58             | 3,526.68              | 214.89                  | 17.411            |                    |         |
| 17,200.00                | 7,070.85            | 6,600.00            | 6,566.07            | 295.58          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,818.29             | 3,605.26              | 213.03                  | 17.924            |                    |         |
| 17,300.00                | 7,070.86            | 6,600.00            | 6,566.07            | 298.42          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,896.07             | 3,684.87              | 211.19                  | 18.448            |                    |         |
| 17,400.00                | 7,070.87            | 6,600.00            | 6,566.07            | 301.26          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 3,974.84             | 3,765.45              | 209.39                  | 18.983            |                    |         |
| 17,500.00                | 7,070.88            | 6,600.00            | 6,566.07            | 304.10          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,054.54             | 3,846.92              | 207.62                  | 19.529            |                    |         |
| 17,600.00                | 7,070.89            | 6,600.00            | 6,566.07            | 306.94          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,135.13             | 3,929.25              | 205.88                  | 20.085            |                    |         |
| 17,700.00                | 7,070.90            | 6,600.00            | 6,566.07            | 309.78          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,216.54             | 4,012.37              | 204.18                  | 20.651            |                    |         |
| 17,800.00                | 7,070.91            | 6,600.00            | 6,566.07            | 312.62          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,298.74             | 4,096.23              | 202.51                  | 21.227            |                    |         |
| 17,900.00                | 7,070.92            | 6,600.00            | 6,566.07            | 315.46          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,381.69             | 4,180.80              | 200.88                  | 21.812            |                    |         |
| 18,000.00                | 7,070.92            | 6,600.00            | 6,566.07            | 318.31          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,465.33             | 4,266.04              | 199.29                  | 22.406            |                    |         |
| 18,100.00                | 7,070.93            | 6,600.00            | 6,566.07            | 321.15          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,549.63             | 4,351.89              | 197.74                  | 23.008            |                    |         |
| 18,200.00                | 7,070.94            | 6,600.00            | 6,566.07            | 323.99          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,634.55             | 4,438.33              | 196.22                  | 23.619            |                    |         |
| 18,300.00                | 7,070.95            | 6,600.00            | 6,566.07            | 326.83          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,720.07             | 4,525.33              | 194.74                  | 24.238            |                    |         |
| 18,400.00                | 7,070.96            | 6,600.00            | 6,566.07            | 329.68          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,806.15             | 4,612.85              | 193.30                  | 24.864            |                    |         |
| 18,500.00                | 7,070.97            | 6,600.00            | 6,566.07            | 332.52          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,892.75             | 4,700.86              | 191.89                  | 25.498            |                    |         |
| 18,600.00                | 7,070.98            | 6,600.00            | 6,566.07            | 335.36          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 4,979.86             | 4,789.34              | 190.52                  | 26.138            |                    |         |
| 18,700.00                | 7,070.99            | 6,600.00            | 6,566.07            | 338.21          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,067.44             | 4,878.26              | 189.18                  | 26.786            |                    |         |
| 18,800.00                | 7,070.99            | 6,600.00            | 6,566.07            | 341.05          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,155.48             | 4,967.60              | 187.88                  | 27.440            |                    |         |
| 18,858.54                | 7,071.00            | 6,600.00            | 6,566.07            | 342.72          | 28.37       | -78.35                | -1,947.25                         | -6,099.90  | 5,207.21             | 5,020.08              | 187.13                  | 27.826            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 800-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                    | 0.00                | 15.00               | -15.00              | 3.28            | 3.28        | -111.24               | -2,212.87                         | -5,694.55  | 6,109.39             |                       |                         |                   |                    |         |
| 100.00                  | 100.00              | 85.00               | 85.00               | 3.28            | 3.29        | -111.24               | -2,212.87                         | -5,694.55  | 6,109.39             | 6,102.82              | 6.57                    | 929.892           |                    |         |
| 200.00                  | 200.00              | 185.00              | 185.00              | 3.34            | 3.31        | -111.24               | -2,212.87                         | -5,694.55  | 6,109.39             | 6,102.75              | 6.64                    | 919.803           |                    |         |
| 300.00                  | 300.00              | 285.00              | 285.00              | 3.44            | 3.34        | -111.24               | -2,212.87                         | -5,694.55  | 6,109.39             | 6,102.61              | 6.78                    | 900.560           |                    |         |
| 400.00                  | 399.98              | 384.98              | 384.98              | 3.60            | 3.39        | 176.26                | -2,212.87                         | -5,694.55  | 6,111.13             | 6,104.14              | 6.99                    | 874.498           |                    |         |
| 500.00                  | 499.84              | 484.84              | 484.84              | 3.80            | 3.45        | 176.26                | -2,212.87                         | -5,694.55  | 6,116.35             | 6,109.10              | 7.25                    | 843.573           |                    |         |
| 600.00                  | 599.45              | 584.45              | 584.45              | 4.04            | 3.52        | 176.25                | -2,212.87                         | -5,694.55  | 6,125.05             | 6,117.49              | 7.57                    | 809.566           |                    |         |
| 700.00                  | 698.70              | 683.70              | 683.70              | 4.32            | 3.61        | 176.24                | -2,212.87                         | -5,694.55  | 6,137.21             | 6,129.28              | 7.93                    | 774.213           |                    |         |
| 800.00                  | 797.47              | 782.47              | 782.47              | 4.63            | 3.70        | 176.23                | -2,212.87                         | -5,694.55  | 6,152.82             | 6,144.49              | 8.33                    | 738.828           |                    |         |
| 900.00                  | 895.62              | 831.01              | 831.01              | 4.97            | 3.79        | 176.21                | -2,212.81                         | -5,694.70  | 6,172.19             | 6,163.44              | 8.74                    | 706.067           |                    |         |
| 924.00                  | 919.08              | 840.01              | 840.00              | 5.06            | 3.80        | 176.21                | -2,212.77                         | -5,694.81  | 6,177.48             | 6,168.63              | 8.85                    | 698.153           |                    |         |
| 1,000.00                | 993.28              | 868.40              | 868.40              | 5.34            | 3.87        | 176.22                | -2,212.58                         | -5,695.31  | 6,194.91             | 6,185.74              | 9.17                    | 675.366           |                    |         |
| 1,100.00                | 1,090.92            | 900.00              | 899.98              | 5.73            | 3.94        | 176.23                | -2,212.25                         | -5,696.18  | 6,218.68             | 6,209.08              | 9.60                    | 647.684           |                    |         |
| 1,200.00                | 1,188.56            | 942.58              | 942.53              | 6.15            | 4.05        | 176.24                | -2,211.61                         | -5,697.86  | 6,243.37             | 6,233.30              | 10.07                   | 619.789           |                    |         |
| 1,300.00                | 1,286.19            | 1,000.00            | 999.84              | 6.57            | 4.20        | 176.27                | -2,210.39                         | -5,701.07  | 6,269.09             | 6,258.49              | 10.60                   | 591.393           |                    |         |
| 1,400.00                | 1,383.83            | 1,000.00            | 999.84              | 7.01            | 4.20        | 176.27                | -2,210.39                         | -5,701.07  | 6,295.60             | 6,284.62              | 10.98                   | 573.261           |                    |         |
| 1,500.00                | 1,481.47            | 1,052.23            | 1,051.90            | 7.46            | 4.35        | 176.31                | -2,208.92                         | -5,704.92  | 6,323.02             | 6,311.50              | 11.52                   | 548.927           |                    |         |
| 1,600.00                | 1,579.10            | 1,100.00            | 1,099.45            | 7.91            | 4.49        | 176.34                | -2,207.29                         | -5,709.21  | 6,351.42             | 6,339.37              | 12.05                   | 526.957           |                    |         |
| 1,700.00                | 1,676.74            | 1,100.00            | 1,099.45            | 8.37            | 4.49        | 176.34                | -2,207.29                         | -5,709.21  | 6,380.80             | 6,368.35              | 12.44                   | 512.786           |                    |         |
| 1,800.00                | 1,774.38            | 1,159.69            | 1,158.74            | 8.84            | 4.69        | 176.39                | -2,204.85                         | -5,715.62  | 6,410.85             | 6,397.82              | 13.03                   | 491.998           |                    |         |
| 1,900.00                | 1,872.02            | 1,200.00            | 1,198.70            | 9.31            | 4.82        | 176.43                | -2,202.95                         | -5,720.60  | 6,441.93             | 6,428.37              | 13.56                   | 475.087           |                    |         |
| 2,000.00                | 1,969.65            | 1,229.99            | 1,228.38            | 9.79            | 4.93        | 176.46                | -2,201.41                         | -5,724.65  | 6,473.87             | 6,459.81              | 14.06                   | 460.546           |                    |         |
| 2,100.00                | 2,067.29            | 1,302.50            | 1,300.02            | 10.27           | 5.20        | 176.54                | -2,197.45                         | -5,735.05  | 6,506.52             | 6,491.81              | 14.72                   | 442.066           |                    |         |
| 2,200.00                | 2,164.93            | 1,396.36            | 1,392.77            | 10.75           | 5.57        | 176.64                | -2,192.31                         | -5,748.55  | 6,539.25             | 6,523.77              | 15.48                   | 422.421           |                    |         |
| 2,300.00                | 2,262.56            | 1,490.23            | 1,485.52            | 11.24           | 5.97        | 176.74                | -2,187.17                         | -5,762.05  | 6,572.00             | 6,555.73              | 16.26                   | 404.130           |                    |         |
| 2,400.00                | 2,360.20            | 1,584.10            | 1,578.27            | 11.73           | 6.38        | 176.84                | -2,182.03                         | -5,775.55  | 6,604.76             | 6,587.70              | 17.06                   | 387.159           |                    |         |
| 2,500.00                | 2,457.84            | 1,677.96            | 1,671.02            | 12.22           | 6.80        | 176.93                | -2,176.89                         | -5,789.05  | 6,637.54             | 6,619.67              | 17.87                   | 371.430           |                    |         |
| 2,600.00                | 2,555.48            | 1,771.83            | 1,763.77            | 12.71           | 7.23        | 177.03                | -2,171.75                         | -5,802.55  | 6,670.34             | 6,651.65              | 18.69                   | 356.854           |                    |         |
| 2,700.00                | 2,653.11            | 1,865.69            | 1,856.51            | 13.20           | 7.68        | 177.13                | -2,166.61                         | -5,816.05  | 6,703.15             | 6,683.63              | 19.52                   | 343.341           |                    |         |
| 2,800.00                | 2,750.75            | 1,959.56            | 1,949.26            | 13.70           | 8.13        | 177.22                | -2,161.47                         | -5,829.54  | 6,735.98             | 6,715.62              | 20.36                   | 330.802           |                    |         |
| 2,900.00                | 2,848.39            | 2,053.43            | 2,042.01            | 14.19           | 8.59        | 177.31                | -2,156.34                         | -5,843.04  | 6,768.83             | 6,747.62              | 21.21                   | 319.154           |                    |         |
| 3,000.00                | 2,946.02            | 2,147.29            | 2,134.76            | 14.69           | 9.05        | 177.41                | -2,151.20                         | -5,856.54  | 6,801.69             | 6,779.63              | 22.06                   | 308.317           |                    |         |
| 3,100.00                | 3,043.66            | 2,241.16            | 2,227.51            | 15.19           | 9.52        | 177.50                | -2,146.06                         | -5,870.04  | 6,834.57             | 6,811.66              | 22.92                   | 298.221           |                    |         |
| 3,200.00                | 3,141.30            | 2,335.02            | 2,320.25            | 15.69           | 9.99        | 177.59                | -2,140.92                         | -5,883.54  | 6,867.47             | 6,843.69              | 23.78                   | 288.800           |                    |         |
| 3,300.00                | 3,238.94            | 2,428.89            | 2,413.00            | 16.19           | 10.47       | 177.68                | -2,135.78                         | -5,897.04  | 6,900.38             | 6,875.74              | 24.64                   | 279.994           |                    |         |
| 3,400.00                | 3,336.57            | 2,522.76            | 2,505.75            | 16.69           | 10.95       | 177.77                | -2,130.64                         | -5,910.54  | 6,933.31             | 6,907.79              | 25.51                   | 271.750           |                    |         |
| 3,500.00                | 3,434.21            | 2,616.62            | 2,598.50            | 17.19           | 11.43       | 177.86                | -2,125.50                         | -5,924.04  | 6,966.25             | 6,939.86              | 26.39                   | 264.020           |                    |         |
| 3,600.00                | 3,531.85            | 2,710.49            | 2,691.25            | 17.69           | 11.92       | 177.95                | -2,120.36                         | -5,937.54  | 6,999.20             | 6,971.94              | 27.26                   | 256.760           |                    |         |
| 3,700.00                | 3,629.48            | 2,804.35            | 2,783.99            | 18.20           | 12.40       | 178.03                | -2,115.22                         | -5,951.04  | 7,032.17             | 7,004.04              | 28.14                   | 249.931           |                    |         |
| 3,800.00                | 3,727.12            | 2,901.78            | 2,876.74            | 18.70           | 12.91       | 178.12                | -2,110.08                         | -5,964.54  | 7,065.16             | 7,036.13              | 29.03                   | 243.357           |                    |         |
| 3,900.00                | 3,824.76            | 2,992.09            | 2,969.49            | 19.21           | 13.38       | 178.20                | -2,104.94                         | -5,978.04  | 7,098.16             | 7,068.26              | 29.90                   | 237.428           |                    |         |
| 4,000.00                | 3,922.40            | 3,085.95            | 3,062.24            | 19.71           | 13.87       | 178.29                | -2,099.80                         | -5,991.53  | 7,131.17             | 7,100.39              | 30.78                   | 231.694           |                    |         |
| 4,100.00                | 4,020.03            | 3,179.82            | 3,154.99            | 20.21           | 14.37       | 178.37                | -2,094.66                         | -6,005.03  | 7,164.20             | 7,132.54              | 31.66                   | 226.269           |                    |         |
| 4,200.00                | 4,117.67            | 3,273.68            | 3,247.73            | 20.72           | 14.86       | 178.46                | -2,089.53                         | -6,018.53  | 7,197.24             | 7,164.69              | 32.55                   | 221.130           |                    |         |
| 4,300.00                | 4,215.31            | 3,367.55            | 3,340.48            | 21.23           | 15.36       | 178.54                | -2,084.39                         | -6,032.03  | 7,230.30             | 7,196.86              | 33.43                   | 216.256           |                    |         |
| 4,400.00                | 4,312.94            | 3,461.42            | 3,433.23            | 21.73           | 15.85       | 178.62                | -2,079.25                         | -6,045.53  | 7,263.36             | 7,229.04              | 34.32                   | 211.627           |                    |         |
| 4,500.00                | 4,410.58            | 3,555.28            | 3,525.98            | 22.24           | 16.35       | 178.70                | -2,074.11                         | -6,059.03  | 7,296.44             | 7,261.23              | 35.21                   | 207.226           |                    |         |
| 4,600.00                | 4,508.22            | 3,649.15            | 3,618.73            | 22.75           | 16.85       | 178.78                | -2,068.97                         | -6,072.53  | 7,329.54             | 7,293.44              | 36.10                   | 203.036           |                    |         |
| 4,700.00                | 4,605.86            | 3,743.01            | 3,711.47            | 23.25           | 17.34       | 178.86                | -2,063.83                         | -6,086.03  | 7,362.65             | 7,325.66              | 36.99                   | 199.045           |                    |         |
| 4,800.00                | 4,703.49            | 3,836.88            | 3,804.22            | 23.76           | 17.84       | 178.94                | -2,058.69                         | -6,099.53  | 7,395.76             | 7,357.88              | 37.88                   | 195.237           |                    |         |
| 4,900.00                | 4,801.13            | 3,930.75            | 3,896.97            | 24.27           | 18.34       | 179.02                | -2,053.55                         | -6,113.03  | 7,428.90             | 7,390.12              | 38.77                   | 191.601           |                    |         |
| 5,000.00                | 4,898.77            | 4,024.61            | 3,989.72            | 24.77           | 18.84       | 179.09                | -2,048.41                         | -6,126.53  | 7,462.04             | 7,422.37              | 39.67                   | 188.126           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 800-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                | 4,996.40            | 4,118.48            | 4,082.47            | 25.28           | 19.35       | 179.17                | -2,043.27                         | -6,140.03  | 7,495.20             | 7,454.64              | 40.56                   | 184.801           |                    |         |
| 5,200.00                | 5,094.04            | 4,212.34            | 4,175.21            | 25.79           | 19.85       | 179.25                | -2,038.13                         | -6,153.52  | 7,528.36             | 7,486.91              | 41.45                   | 181.618           |                    |         |
| 5,300.00                | 5,191.68            | 4,306.21            | 4,267.96            | 26.30           | 20.35       | 179.32                | -2,032.99                         | -6,167.02  | 7,561.54             | 7,519.20              | 42.35                   | 178.567           |                    |         |
| 5,400.00                | 5,289.32            | 4,400.08            | 4,360.71            | 26.81           | 20.85       | 179.40                | -2,027.85                         | -6,180.52  | 7,594.74             | 7,551.49              | 43.24                   | 175.640           |                    |         |
| 5,500.00                | 5,386.95            | 4,506.06            | 4,453.46            | 27.32           | 21.42       | 179.47                | -2,022.72                         | -6,194.02  | 7,627.94             | 7,583.74              | 44.19                   | 172.603           |                    |         |
| 5,600.00                | 5,484.59            | 4,587.81            | 4,546.21            | 27.83           | 21.86       | 179.54                | -2,017.58                         | -6,207.52  | 7,661.15             | 7,616.12              | 45.03                   | 170.132           |                    |         |
| 5,700.00                | 5,582.23            | 4,681.67            | 4,638.95            | 28.33           | 22.36       | 179.62                | -2,012.44                         | -6,221.02  | 7,694.38             | 7,648.45              | 45.93                   | 167.538           |                    |         |
| 5,800.00                | 5,679.87            | 4,775.54            | 4,731.70            | 28.84           | 22.86       | 179.69                | -2,007.30                         | -6,234.52  | 7,727.61             | 7,680.79              | 46.82                   | 165.041           |                    |         |
| 5,900.00                | 5,777.50            | 4,869.41            | 4,824.45            | 29.35           | 23.37       | 179.76                | -2,002.16                         | -6,248.02  | 7,760.86             | 7,713.14              | 47.72                   | 162.638           |                    |         |
| 6,000.00                | 5,875.14            | 4,963.27            | 4,917.20            | 29.86           | 23.87       | 179.83                | -1,997.02                         | -6,261.52  | 7,794.12             | 7,745.50              | 48.62                   | 160.322           |                    |         |
| 6,100.00                | 5,972.78            | 5,057.14            | 5,009.95            | 30.37           | 24.38       | 179.90                | -1,991.88                         | -6,275.02  | 7,827.39             | 7,777.88              | 49.51                   | 158.089           |                    |         |
| 6,200.00                | 6,070.41            | 5,151.00            | 5,102.69            | 30.88           | 24.88       | 179.97                | -1,986.74                         | -6,288.52  | 7,860.67             | 7,810.26              | 50.41                   | 155.936           |                    |         |
| 6,300.00                | 6,168.05            | 5,244.87            | 5,195.44            | 31.39           | 25.38       | -179.96               | -1,981.60                         | -6,302.02  | 7,893.96             | 7,842.65              | 51.31                   | 153.857           |                    |         |
| 6,400.00                | 6,265.69            | 5,338.74            | 5,288.19            | 31.90           | 25.89       | -179.89               | -1,976.46                         | -6,315.51  | 7,927.26             | 7,875.05              | 52.20                   | 151.849           |                    |         |
| 6,439.09                | 6,303.85            | 5,375.43            | 5,324.44            | 32.10           | 26.09       | -179.87               | -1,974.45                         | -6,320.79  | 7,940.27             | 7,887.72              | 52.56                   | 151.083           |                    |         |
| 6,450.00                | 6,314.53            | 5,385.70            | 5,334.60            | 32.16           | 26.14       | -178.28               | -1,973.89                         | -6,322.27  | 7,943.83             | 7,891.17              | 52.65                   | 150.871           |                    |         |
| 6,500.00                | 6,363.83            | 5,433.52            | 5,381.84            | 32.39           | 26.40       | -166.45               | -1,971.27                         | -6,329.15  | 7,957.92             | 7,904.82              | 53.10                   | 149.872           |                    |         |
| 6,550.00                | 6,413.58            | 5,482.33            | 5,430.07            | 32.60           | 26.66       | -133.57               | -1,968.60                         | -6,336.17  | 7,968.38             | 7,914.84              | 53.54                   | 148.836           |                    |         |
| 6,600.00                | 6,463.45            | 5,531.84            | 5,478.99            | 32.79           | 26.93       | -72.54                | -1,965.89                         | -6,343.29  | 7,975.14             | 7,921.18              | 53.97                   | 147.780           |                    |         |
| 6,650.00                | 6,513.15            | 5,581.73            | 5,528.29            | 32.97           | 27.20       | -44.96                | -1,963.16                         | -6,350.46  | 7,978.16             | 7,923.78              | 54.38                   | 146.712           |                    |         |
| 6,700.00                | 6,562.37            | 5,631.71            | 5,577.67            | 33.15           | 27.47       | -34.98                | -1,960.42                         | -6,357.65  | 7,977.42             | 7,922.65              | 54.78                   | 145.631           |                    |         |
| 6,750.00                | 6,610.80            | 5,676.94            | 5,617.74            | 33.34           | 31.78       | -30.92                | -1,933.11                         | -6,430.51  | 7,969.73             | 7,909.89              | 59.84                   | 133.174           |                    |         |
| 6,800.00                | 6,658.14            | 5,600.00            | 5,540.78            | 33.53           | 31.86       | -28.56                | -1,934.23                         | -6,430.51  | 7,956.22             | 7,896.18              | 60.05                   | 132.502           |                    |         |
| 6,850.00                | 6,704.11            | 5,600.00            | 5,540.78            | 33.74           | 31.86       | -27.27                | -1,934.23                         | -6,430.51  | 7,939.30             | 7,879.17              | 60.14                   | 132.022           |                    |         |
| 6,900.00                | 6,748.42            | 5,600.00            | 5,540.78            | 33.97           | 31.86       | -26.66                | -1,934.23                         | -6,430.51  | 7,919.20             | 7,858.99              | 60.21                   | 131.526           |                    |         |
| 6,950.00                | 6,790.79            | 5,600.00            | 5,540.78            | 34.21           | 31.86       | -26.53                | -1,934.23                         | -6,430.51  | 7,896.00             | 7,835.73              | 60.27                   | 131.010           |                    |         |
| 7,000.00                | 6,830.97            | 5,600.00            | 5,540.78            | 34.48           | 31.86       | -26.81                | -1,934.23                         | -6,430.51  | 7,869.83             | 7,809.51              | 60.32                   | 130.474           |                    |         |
| 7,050.00                | 6,868.71            | 5,639.72            | 5,580.34            | 34.77           | 31.98       | -27.60                | -1,937.79                         | -6,430.51  | 7,840.41             | 7,779.90              | 60.51                   | 129.582           |                    |         |
| 7,100.00                | 6,903.77            | 5,648.13            | 5,588.68            | 35.09           | 32.00       | -28.66                | -1,938.80                         | -6,430.51  | 7,808.51             | 7,747.94              | 60.57                   | 128.921           |                    |         |
| 7,150.00                | 6,935.93            | 5,655.81            | 5,596.30            | 35.44           | 32.03       | -30.14                | -1,939.81                         | -6,430.51  | 7,774.07             | 7,713.45              | 60.62                   | 128.236           |                    |         |
| 7,200.00                | 6,965.01            | 5,662.73            | 5,603.15            | 35.83           | 32.05       | -32.10                | -1,940.79                         | -6,430.51  | 7,737.27             | 7,676.60              | 60.67                   | 127.525           |                    |         |
| 7,250.00                | 6,990.82            | 5,670.00            | 5,639.88            | 36.26           | 32.16       | -34.88                | -1,947.10                         | -6,430.51  | 7,698.57             | 7,637.73              | 60.84                   | 126.533           |                    |         |
| 7,300.00                | 7,013.20            | 5,670.00            | 5,639.88            | 36.72           | 32.16       | -38.15                | -1,947.10                         | -6,430.51  | 7,657.60             | 7,596.73              | 60.87                   | 125.805           |                    |         |
| 7,350.00                | 7,032.02            | 5,670.00            | 5,639.88            | 37.23           | 32.16       | -42.36                | -1,947.10                         | -6,430.51  | 7,614.95             | 7,554.05              | 60.90                   | 125.039           |                    |         |
| 7,400.00                | 7,047.15            | 5,670.00            | 5,639.88            | 37.77           | 32.16       | -47.80                | -1,947.10                         | -6,430.51  | 7,570.85             | 7,509.91              | 60.94                   | 124.235           |                    |         |
| 7,450.00                | 7,058.51            | 5,670.00            | 5,639.88            | 38.34           | 32.16       | -54.82                | -1,947.10                         | -6,430.51  | 7,525.55             | 7,464.56              | 60.99                   | 123.392           |                    |         |
| 7,500.00                | 7,066.02            | 5,670.00            | 5,639.88            | 38.95           | 32.16       | -63.77                | -1,947.10                         | -6,430.51  | 7,479.31             | 7,418.26              | 61.05                   | 122.510           |                    |         |
| 7,550.00                | 7,069.64            | 5,670.00            | 5,639.88            | 39.58           | 32.16       | -74.82                | -1,947.10                         | -6,430.51  | 7,432.41             | 7,371.28              | 61.13                   | 121.593           |                    |         |
| 7,571.20                | 7,070.00            | 5,670.00            | 5,639.88            | 39.85           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 7,412.39             | 7,351.23              | 61.16                   | 121.192           |                    |         |
| 7,600.00                | 7,070.00            | 5,670.00            | 5,639.88            | 40.23           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 7,385.16             | 7,323.95              | 61.21                   | 120.645           |                    |         |
| 7,700.00                | 7,070.01            | 5,670.00            | 5,639.88            | 41.64           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 7,290.71             | 7,229.29              | 61.42                   | 118.709           |                    |         |
| 7,800.00                | 7,070.02            | 5,670.00            | 5,639.88            | 43.20           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 7,196.41             | 7,134.75              | 61.66                   | 116.715           |                    |         |
| 7,900.00                | 7,070.03            | 5,670.00            | 5,639.88            | 44.89           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 7,102.26             | 7,040.32              | 61.94                   | 114.663           |                    |         |
| 8,000.00                | 7,070.04            | 5,670.00            | 5,639.88            | 46.69           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 7,008.28             | 6,946.02              | 62.27                   | 112.555           |                    |         |
| 8,100.00                | 7,070.05            | 5,670.00            | 5,639.88            | 48.60           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,914.47             | 6,851.83              | 62.64                   | 110.393           |                    |         |
| 8,200.00                | 7,070.05            | 5,670.00            | 5,639.88            | 50.59           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,820.83             | 6,757.78              | 63.05                   | 108.178           |                    |         |
| 8,300.00                | 7,070.06            | 5,670.00            | 5,639.88            | 52.66           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,727.37             | 6,663.86              | 63.52                   | 105.914           |                    |         |
| 8,400.00                | 7,070.07            | 5,670.00            | 5,639.88            | 54.81           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,634.11             | 6,570.07              | 64.03                   | 103.603           |                    |         |
| 8,500.00                | 7,070.08            | 5,670.00            | 5,639.88            | 57.02           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,541.04             | 6,476.44              | 64.60                   | 101.250           |                    |         |
| 8,600.00                | 7,070.09            | 5,670.00            | 5,639.88            | 59.28           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,448.18             | 6,382.96              | 65.23                   | 98.858            |                    |         |
| 8,700.00                | 7,070.10            | 5,670.00            | 5,639.88            | 61.60           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,355.54             | 6,289.64              | 65.91                   | 96.433            |                    |         |
| 8,800.00                | 7,070.11            | 5,670.00            | 5,639.88            | 63.95           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,263.13             | 6,196.48              | 66.65                   | 93.977            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 800-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                | 7,070.12            | 6,700.00            | 6,639.88            | 66.35           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,170.95             | 6,103.51              | 67.44                   | 91.498            |                    |         |
| 9,000.00                | 7,070.13            | 6,700.00            | 6,639.88            | 68.79           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 6,079.02             | 6,010.72              | 68.30                   | 89.000            |                    |         |
| 9,100.00                | 7,070.13            | 6,700.00            | 6,639.88            | 71.25           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,987.35             | 5,918.12              | 69.23                   | 86.488            |                    |         |
| 9,200.00                | 7,070.14            | 6,700.00            | 6,639.88            | 73.74           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,895.95             | 5,825.73              | 70.22                   | 83.968            |                    |         |
| 9,300.00                | 7,070.15            | 6,700.00            | 6,639.88            | 76.26           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,804.83             | 5,733.56              | 71.27                   | 81.445            |                    |         |
| 9,400.00                | 7,070.16            | 6,700.00            | 6,639.88            | 78.80           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,714.01             | 5,641.61              | 72.40                   | 78.925            |                    |         |
| 9,500.00                | 7,070.17            | 6,700.00            | 6,639.88            | 81.37           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,623.50             | 5,549.90              | 73.59                   | 76.413            |                    |         |
| 9,600.00                | 7,070.18            | 6,700.00            | 6,639.88            | 83.95           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,533.31             | 5,458.45              | 74.86                   | 73.913            |                    |         |
| 9,700.00                | 7,070.19            | 6,700.00            | 6,639.88            | 86.55           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,443.48             | 5,367.27              | 76.20                   | 71.432            |                    |         |
| 9,800.00                | 7,070.20            | 6,700.00            | 6,639.88            | 89.17           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,354.00             | 5,276.37              | 77.62                   | 68.974            |                    |         |
| 9,900.00                | 7,070.21            | 6,700.00            | 6,639.88            | 91.80           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,264.90             | 5,185.77              | 79.12                   | 66.542            |                    |         |
| 10,000.00               | 7,070.21            | 6,700.00            | 6,639.88            | 94.44           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,176.19             | 5,095.49              | 80.70                   | 64.142            |                    |         |
| 10,100.00               | 7,070.22            | 6,700.00            | 6,639.88            | 97.10           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,087.91             | 5,005.55              | 82.36                   | 61.777            |                    |         |
| 10,200.00               | 7,070.23            | 6,700.00            | 6,639.88            | 99.77           | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 5,000.07             | 4,915.96              | 84.10                   | 59.451            |                    |         |
| 10,300.00               | 7,070.24            | 6,700.00            | 6,639.88            | 102.44          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,912.69             | 4,826.75              | 85.94                   | 57.167            |                    |         |
| 10,400.00               | 7,070.25            | 6,700.00            | 6,639.88            | 105.13          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,825.80             | 4,737.94              | 87.86                   | 54.927            |                    |         |
| 10,500.00               | 7,070.26            | 6,700.00            | 6,639.88            | 107.83          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,739.43             | 4,649.56              | 89.87                   | 52.735            |                    |         |
| 10,600.00               | 7,070.27            | 6,700.00            | 6,639.88            | 110.53          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,653.61             | 4,561.63              | 91.98                   | 50.592            |                    |         |
| 10,700.00               | 7,070.28            | 6,700.00            | 6,639.88            | 113.24          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,568.36             | 4,474.17              | 94.19                   | 48.502            |                    |         |
| 10,800.00               | 7,070.28            | 6,700.00            | 6,639.88            | 115.96          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,483.72             | 4,387.22              | 96.50                   | 46.465            |                    |         |
| 10,900.00               | 7,070.29            | 6,700.00            | 6,639.88            | 118.69          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,399.73             | 4,300.82              | 98.91                   | 44.483            |                    |         |
| 11,000.00               | 7,070.30            | 6,700.00            | 6,639.88            | 121.42          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,316.42             | 4,214.99              | 101.43                  | 42.557            |                    |         |
| 11,100.00               | 7,070.31            | 6,700.00            | 6,639.88            | 124.16          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,233.83             | 4,129.77              | 104.05                  | 40.688            |                    |         |
| 11,200.00               | 7,070.32            | 6,700.00            | 6,639.88            | 126.90          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,152.01             | 4,045.21              | 106.80                  | 38.878            |                    |         |
| 11,300.00               | 7,070.33            | 6,700.00            | 6,639.88            | 129.65          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,071.00             | 3,961.34              | 109.65                  | 37.126            |                    |         |
| 11,400.00               | 7,070.34            | 6,700.00            | 6,639.88            | 132.40          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,990.85             | 3,878.22              | 112.63                  | 35.434            |                    |         |
| 11,500.00               | 7,070.35            | 6,700.00            | 6,639.88            | 135.16          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,911.61             | 3,795.88              | 115.73                  | 33.800            |                    |         |
| 11,600.00               | 7,070.36            | 6,700.00            | 6,639.88            | 137.92          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,833.35             | 3,714.40              | 118.95                  | 32.226            |                    |         |
| 11,700.00               | 7,070.36            | 6,700.00            | 6,639.88            | 140.69          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,756.11             | 3,633.81              | 122.30                  | 30.712            |                    |         |
| 11,800.00               | 7,070.37            | 6,700.00            | 6,639.88            | 143.46          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,679.98             | 3,554.19              | 125.79                  | 29.256            |                    |         |
| 11,900.00               | 7,070.38            | 6,700.00            | 6,639.88            | 146.23          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,605.01             | 3,475.61              | 129.40                  | 27.859            |                    |         |
| 12,000.00               | 7,070.39            | 6,700.00            | 6,639.88            | 149.01          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,531.28             | 3,398.13              | 133.15                  | 26.521            |                    |         |
| 12,100.00               | 7,070.40            | 6,700.00            | 6,639.88            | 151.79          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,458.87             | 3,321.84              | 137.03                  | 25.241            |                    |         |
| 12,200.00               | 7,070.41            | 6,700.00            | 6,639.88            | 154.57          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,387.87             | 3,246.81              | 141.05                  | 24.018            |                    |         |
| 12,300.00               | 7,070.42            | 6,700.00            | 6,639.88            | 157.35          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,318.36             | 3,173.15              | 145.21                  | 22.852            |                    |         |
| 12,400.00               | 7,070.43            | 6,700.00            | 6,639.88            | 160.14          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,250.44             | 3,100.94              | 149.50                  | 21.742            |                    |         |
| 12,500.00               | 7,070.44            | 6,700.00            | 6,639.88            | 162.93          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,184.21             | 3,030.29              | 153.92                  | 20.687            |                    |         |
| 12,600.00               | 7,070.44            | 6,700.00            | 6,639.88            | 165.72          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,119.78             | 2,961.31              | 158.47                  | 19.687            |                    |         |
| 12,700.00               | 7,070.45            | 6,700.00            | 6,639.88            | 168.52          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,057.27             | 2,894.13              | 163.14                  | 18.741            |                    |         |
| 12,800.00               | 7,070.46            | 6,700.00            | 6,639.88            | 171.32          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,996.79             | 2,828.87              | 167.92                  | 17.847            |                    |         |
| 12,900.00               | 7,070.47            | 6,700.00            | 6,639.88            | 174.11          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,938.47             | 2,765.67              | 172.80                  | 17.005            |                    |         |
| 13,000.00               | 7,070.48            | 6,700.00            | 6,639.88            | 176.92          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,882.43             | 2,704.66              | 177.77                  | 16.214            |                    |         |
| 13,100.00               | 7,070.49            | 6,700.00            | 6,639.88            | 179.72          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,828.83             | 2,646.01              | 182.82                  | 15.473            |                    |         |
| 13,200.00               | 7,070.50            | 6,700.00            | 6,639.88            | 182.52          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,777.79             | 2,589.86              | 187.93                  | 14.781            |                    |         |
| 13,300.00               | 7,070.51            | 6,700.00            | 6,639.88            | 185.33          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,729.46             | 2,536.39              | 193.08                  | 14.137            |                    |         |
| 13,400.00               | 7,070.52            | 6,700.00            | 6,639.88            | 188.14          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,683.99             | 2,485.76              | 198.24                  | 13.539            |                    |         |
| 13,500.00               | 7,070.52            | 6,700.00            | 6,639.88            | 190.95          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,641.53             | 2,438.14              | 203.38                  | 12.988            |                    |         |
| 13,600.00               | 7,070.53            | 6,700.00            | 6,639.88            | 193.76          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,602.22             | 2,393.73              | 208.49                  | 12.481            |                    |         |
| 13,700.00               | 7,070.54            | 6,700.00            | 6,639.88            | 196.57          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,566.20             | 2,352.68              | 213.52                  | 12.019            |                    |         |
| 13,800.00               | 7,070.55            | 6,700.00            | 6,639.88            | 199.38          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,533.62             | 2,315.18              | 218.44                  | 11.599            |                    |         |
| 13,900.00               | 7,070.56            | 6,700.00            | 6,639.88            | 202.20          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,504.61             | 2,281.39              | 223.22                  | 11.220            |                    |         |
| 14,000.00               | 7,070.57            | 6,700.00            | 6,639.88            | 205.01          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,479.30             | 2,251.48              | 227.82                  | 10.883            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 800-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00               | 7,070.58            | 6,700.00            | 6,639.88            | 207.83          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,457.80             | 2,225.59              | 232.21                  | 10.585            |                    |         |
| 14,200.00               | 7,070.59            | 6,700.00            | 6,639.88            | 210.65          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,440.21             | 2,203.87              | 236.34                  | 10.325            |                    |         |
| 14,300.00               | 7,070.60            | 6,700.00            | 6,639.88            | 213.47          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,426.62             | 2,186.43              | 240.19                  | 10.103            |                    |         |
| 14,400.00               | 7,070.60            | 6,700.00            | 6,639.88            | 216.29          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,417.09             | 2,173.37              | 243.72                  | 9.917             |                    |         |
| 14,500.00               | 7,070.61            | 6,700.00            | 6,639.88            | 219.11          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,411.67             | 2,164.75              | 246.92                  | 9.767             |                    |         |
| 14,580.76               | 7,070.62            | 6,700.00            | 6,639.88            | 221.39          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,410.32             | 2,161.08              | 249.24                  | 9.671 CC          |                    |         |
| 14,600.00               | 7,070.62            | 6,700.00            | 6,639.88            | 221.94          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,410.40             | 2,160.64              | 249.75                  | 9.651 ES          |                    |         |
| 14,700.00               | 7,070.63            | 6,700.00            | 6,639.88            | 224.76          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,413.27             | 2,161.06              | 252.21                  | 9.569             |                    |         |
| 14,800.00               | 7,070.64            | 6,700.00            | 6,639.88            | 227.58          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,420.27             | 2,165.99              | 254.28                  | 9.518             |                    |         |
| 14,900.00               | 7,070.65            | 6,700.00            | 6,639.88            | 230.41          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,431.37             | 2,175.41              | 255.96                  | 9.499 SF          |                    |         |
| 15,000.00               | 7,070.66            | 6,700.00            | 6,639.88            | 233.24          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,446.51             | 2,189.25              | 257.26                  | 9.510             |                    |         |
| 15,100.00               | 7,070.67            | 6,700.00            | 6,639.88            | 236.06          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,465.61             | 2,207.44              | 258.17                  | 9.550             |                    |         |
| 15,200.00               | 7,070.68            | 6,700.00            | 6,639.88            | 238.89          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,488.59             | 2,229.87              | 258.72                  | 9.619             |                    |         |
| 15,300.00               | 7,070.68            | 6,700.00            | 6,639.88            | 241.72          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,515.34             | 2,256.42              | 258.92                  | 9.715             |                    |         |
| 15,400.00               | 7,070.69            | 6,700.00            | 6,639.88            | 244.55          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,545.74             | 2,286.95              | 258.80                  | 9.837             |                    |         |
| 15,500.00               | 7,070.70            | 6,700.00            | 6,639.88            | 247.38          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,579.66             | 2,321.29              | 258.37                  | 9.984             |                    |         |
| 15,600.00               | 7,070.71            | 6,700.00            | 6,639.88            | 250.21          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,616.96             | 2,359.30              | 257.66                  | 10.157            |                    |         |
| 15,700.00               | 7,070.72            | 6,700.00            | 6,639.88            | 253.04          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,657.51             | 2,400.80              | 256.70                  | 10.352            |                    |         |
| 15,800.00               | 7,070.73            | 6,700.00            | 6,639.88            | 255.87          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,701.15             | 2,445.62              | 255.52                  | 10.571            |                    |         |
| 15,900.00               | 7,070.74            | 6,700.00            | 6,639.88            | 258.71          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,747.73             | 2,493.59              | 254.15                  | 10.812            |                    |         |
| 16,000.00               | 7,070.75            | 6,700.00            | 6,639.88            | 261.54          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,797.12             | 2,544.52              | 252.60                  | 11.073            |                    |         |
| 16,100.00               | 7,070.76            | 6,700.00            | 6,639.88            | 264.37          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,849.17             | 2,598.25              | 250.91                  | 11.355            |                    |         |
| 16,200.00               | 7,070.76            | 6,700.00            | 6,639.88            | 267.21          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,903.72             | 2,654.62              | 249.10                  | 11.657            |                    |         |
| 16,300.00               | 7,070.77            | 6,700.00            | 6,639.88            | 270.04          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 2,960.65             | 2,713.46              | 247.19                  | 11.977            |                    |         |
| 16,400.00               | 7,070.78            | 6,700.00            | 6,639.88            | 272.88          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,019.82             | 2,774.62              | 245.19                  | 12.316            |                    |         |
| 16,500.00               | 7,070.79            | 6,700.00            | 6,639.88            | 275.71          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,081.09             | 2,837.95              | 243.14                  | 12.672            |                    |         |
| 16,600.00               | 7,070.80            | 6,700.00            | 6,639.88            | 278.55          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,144.36             | 2,903.32              | 241.04                  | 13.045            |                    |         |
| 16,700.00               | 7,070.81            | 6,700.00            | 6,639.88            | 281.39          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,209.49             | 2,970.59              | 238.90                  | 13.434            |                    |         |
| 16,800.00               | 7,070.82            | 6,700.00            | 6,639.88            | 284.22          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,276.38             | 3,039.63              | 236.75                  | 13.839            |                    |         |
| 16,900.00               | 7,070.83            | 6,700.00            | 6,639.88            | 287.06          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,344.93             | 3,110.34              | 234.59                  | 14.259            |                    |         |
| 17,000.00               | 7,070.84            | 6,700.00            | 6,639.88            | 289.90          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,415.02             | 3,182.59              | 232.43                  | 14.693            |                    |         |
| 17,100.00               | 7,070.84            | 6,700.00            | 6,639.88            | 292.74          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,486.58             | 3,256.30              | 230.28                  | 15.141            |                    |         |
| 17,200.00               | 7,070.85            | 6,700.00            | 6,639.88            | 295.58          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,559.51             | 3,331.36              | 228.14                  | 15.602            |                    |         |
| 17,300.00               | 7,070.86            | 6,700.00            | 6,639.88            | 298.42          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,633.72             | 3,407.69              | 226.03                  | 16.076            |                    |         |
| 17,400.00               | 7,070.87            | 6,700.00            | 6,639.88            | 301.26          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,709.15             | 3,485.20              | 223.94                  | 16.563            |                    |         |
| 17,500.00               | 7,070.88            | 6,700.00            | 6,639.88            | 304.10          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,785.71             | 3,563.82              | 221.89                  | 17.061            |                    |         |
| 17,600.00               | 7,070.89            | 6,700.00            | 6,639.88            | 306.94          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,863.35             | 3,643.48              | 219.87                  | 17.571            |                    |         |
| 17,700.00               | 7,070.90            | 6,700.00            | 6,639.88            | 309.78          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 3,941.99             | 3,724.11              | 217.88                  | 18.092            |                    |         |
| 17,800.00               | 7,070.91            | 6,700.00            | 6,639.88            | 312.62          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,021.59             | 3,805.65              | 215.94                  | 18.624            |                    |         |
| 17,900.00               | 7,070.92            | 6,700.00            | 6,639.88            | 315.46          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,102.08             | 3,888.04              | 214.03                  | 19.166            |                    |         |
| 18,000.00               | 7,070.92            | 6,700.00            | 6,639.88            | 318.31          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,183.40             | 3,971.24              | 212.17                  | 19.717            |                    |         |
| 18,100.00               | 7,070.93            | 6,700.00            | 6,639.88            | 321.15          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,265.53             | 4,055.18              | 210.35                  | 20.279            |                    |         |
| 18,200.00               | 7,070.94            | 6,700.00            | 6,639.88            | 323.99          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,348.40             | 4,139.83              | 208.57                  | 20.849            |                    |         |
| 18,300.00               | 7,070.95            | 6,700.00            | 6,639.88            | 326.83          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,431.98             | 4,225.15              | 206.83                  | 21.428            |                    |         |
| 18,400.00               | 7,070.96            | 6,700.00            | 6,639.88            | 329.68          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,516.22             | 4,311.09              | 205.13                  | 22.016            |                    |         |
| 18,500.00               | 7,070.97            | 6,700.00            | 6,639.88            | 332.52          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,601.10             | 4,397.62              | 203.48                  | 22.612            |                    |         |
| 18,600.00               | 7,070.98            | 6,700.00            | 6,639.88            | 335.36          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,686.57             | 4,484.70              | 201.87                  | 23.216            |                    |         |
| 18,700.00               | 7,070.99            | 6,700.00            | 6,639.88            | 338.21          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,772.61             | 4,572.31              | 200.30                  | 23.827            |                    |         |
| 18,800.00               | 7,070.99            | 6,700.00            | 6,639.88            | 341.05          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,859.18             | 4,660.41              | 198.77                  | 24.446            |                    |         |
| 18,858.54               | 7,071.00            | 6,700.00            | 6,639.88            | 342.72          | 32.16       | -80.07                | -1,947.10                         | -6,430.51  | 4,910.10             | 4,712.20              | 197.90                  | 24.811            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 1500-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                     | 0.00                | 15.00               | -15.00              | 3.28            | 3.28        | -111.55               | -2,212.89                         | -5,602.77  | 6,023.94             |                       |                         |                   |                    |         |
| 100.00                   | 100.00              | 85.00               | 85.00               | 3.28            | 3.29        | -111.55               | -2,212.89                         | -5,602.77  | 6,023.94             | 6,017.37              | 6.57                    | 916.886           |                    |         |
| 200.00                   | 200.00              | 185.00              | 185.00              | 3.34            | 3.31        | -111.55               | -2,212.89                         | -5,602.77  | 6,023.94             | 6,017.30              | 6.64                    | 906.938           |                    |         |
| 300.00                   | 300.00              | 285.00              | 285.00              | 3.44            | 3.34        | -111.55               | -2,212.89                         | -5,602.77  | 6,023.94             | 6,017.16              | 6.78                    | 887.964           |                    |         |
| 400.00                   | 399.98              | 384.98              | 384.98              | 3.60            | 3.39        | 175.95                | -2,212.89                         | -5,602.77  | 6,025.68             | 6,018.69              | 6.99                    | 862.269           |                    |         |
| 500.00                   | 499.84              | 484.84              | 484.84              | 3.80            | 3.45        | 175.94                | -2,212.89                         | -5,602.77  | 6,030.90             | 6,023.65              | 7.25                    | 831.784           |                    |         |
| 600.00                   | 599.45              | 584.45              | 584.45              | 4.04            | 3.52        | 175.94                | -2,212.89                         | -5,602.77  | 6,039.60             | 6,032.03              | 7.57                    | 798.266           |                    |         |
| 700.00                   | 698.70              | 683.70              | 683.70              | 4.32            | 3.61        | 175.93                | -2,212.89                         | -5,602.77  | 6,051.75             | 6,043.82              | 7.93                    | 763.425           |                    |         |
| 800.00                   | 797.47              | 782.47              | 782.47              | 4.63            | 3.70        | 175.91                | -2,212.89                         | -5,602.77  | 6,067.36             | 6,059.03              | 8.33                    | 728.555           |                    |         |
| 900.00                   | 895.62              | 880.62              | 880.62              | 4.97            | 3.81        | 175.90                | -2,212.89                         | -5,602.77  | 6,086.39             | 6,077.63              | 8.76                    | 694.555           |                    |         |
| 924.00                   | 919.08              | 904.08              | 904.08              | 5.06            | 3.83        | 175.90                | -2,212.89                         | -5,602.77  | 6,091.46             | 6,082.59              | 8.88                    | 686.261           |                    |         |
| 1,000.00                 | 993.28              | 1,616.27            | 1,615.60            | 5.34            | 5.02        | 176.03                | -2,205.45                         | -5,592.73  | 6,129.01             | 6,118.67              | 10.34                   | 592.967           |                    |         |
| 1,100.00                 | 1,090.92            | 1,715.54            | 1,714.29            | 5.73            | 5.37        | 176.07                | -2,199.09                         | -5,584.14  | 6,140.30             | 6,129.26              | 11.04                   | 556.429           |                    |         |
| 1,200.00                 | 1,188.56            | 1,814.81            | 1,812.98            | 6.15            | 5.73        | 176.11                | -2,192.74                         | -5,575.55  | 6,151.59             | 6,139.83              | 11.76                   | 522.971           |                    |         |
| 1,300.00                 | 1,286.19            | 1,914.08            | 1,911.68            | 6.57            | 6.11        | 176.15                | -2,186.38                         | -5,566.96  | 6,162.89             | 6,150.37              | 12.52                   | 492.352           |                    |         |
| 1,400.00                 | 1,383.83            | 2,013.35            | 2,010.37            | 7.01            | 6.51        | 176.19                | -2,180.02                         | -5,558.38  | 6,174.19             | 6,160.89              | 13.29                   | 464.478           |                    |         |
| 1,500.00                 | 1,481.47            | 2,112.62            | 2,109.06            | 7.46            | 6.92        | 176.23                | -2,173.66                         | -5,549.79  | 6,185.49             | 6,171.40              | 14.09                   | 439.125           |                    |         |
| 1,600.00                 | 1,579.10            | 2,211.89            | 2,207.75            | 7.91            | 7.33        | 176.27                | -2,167.30                         | -5,541.20  | 6,196.79             | 6,181.90              | 14.89                   | 416.059           |                    |         |
| 1,700.00                 | 1,676.74            | 2,311.16            | 2,306.44            | 8.37            | 7.76        | 176.31                | -2,160.95                         | -5,532.62  | 6,208.10             | 6,192.38              | 15.71                   | 395.051           |                    |         |
| 1,800.00                 | 1,774.38            | 2,410.42            | 2,405.14            | 8.84            | 8.19        | 176.35                | -2,154.59                         | -5,524.03  | 6,219.41             | 6,202.86              | 16.55                   | 375.884           |                    |         |
| 1,900.00                 | 1,872.02            | 2,509.69            | 2,503.83            | 9.31            | 8.63        | 176.39                | -2,148.23                         | -5,515.44  | 6,230.72             | 6,213.34              | 17.39                   | 358.363           |                    |         |
| 2,000.00                 | 1,969.65            | 2,608.96            | 2,602.52            | 9.79            | 9.07        | 176.42                | -2,141.87                         | -5,506.85  | 6,242.04             | 6,223.80              | 18.24                   | 342.309           |                    |         |
| 2,100.00                 | 2,067.29            | 2,708.23            | 2,701.21            | 10.27           | 9.52        | 176.46                | -2,135.52                         | -5,498.27  | 6,253.36             | 6,234.27              | 19.09                   | 327.565           |                    |         |
| 2,200.00                 | 2,164.93            | 2,807.50            | 2,799.91            | 10.75           | 9.96        | 176.50                | -2,129.16                         | -5,489.68  | 6,264.68             | 6,244.73              | 19.95                   | 313.992           |                    |         |
| 2,300.00                 | 2,262.56            | 2,906.77            | 2,898.60            | 11.24           | 10.42       | 176.54                | -2,122.80                         | -5,481.09  | 6,276.00             | 6,255.19              | 20.82                   | 301.466           |                    |         |
| 2,400.00                 | 2,360.20            | 3,006.04            | 2,997.29            | 11.73           | 10.87       | 176.58                | -2,116.44                         | -5,472.50  | 6,287.33             | 6,265.64              | 21.69                   | 289.880           |                    |         |
| 2,500.00                 | 2,457.84            | 3,105.31            | 3,095.98            | 12.22           | 11.33       | 176.62                | -2,110.08                         | -5,463.92  | 6,298.66             | 6,276.10              | 22.56                   | 279.139           |                    |         |
| 2,600.00                 | 2,555.48            | 3,204.58            | 3,194.67            | 12.71           | 11.79       | 176.65                | -2,103.73                         | -5,455.33  | 6,309.99             | 6,286.55              | 23.44                   | 269.158           |                    |         |
| 2,700.00                 | 2,653.11            | 3,303.84            | 3,293.37            | 13.20           | 12.25       | 176.69                | -2,097.37                         | -5,446.74  | 6,321.33             | 6,297.00              | 24.33                   | 259.864           |                    |         |
| 2,800.00                 | 2,750.75            | 3,403.11            | 3,392.06            | 13.70           | 12.72       | 176.73                | -2,091.01                         | -5,438.15  | 6,332.67             | 6,307.46              | 25.21                   | 251.192           |                    |         |
| 2,900.00                 | 2,848.39            | 3,502.38            | 3,490.75            | 14.19           | 13.18       | 176.77                | -2,084.65                         | -5,429.57  | 6,344.01             | 6,317.91              | 26.10                   | 243.084           |                    |         |
| 3,000.00                 | 2,946.02            | 3,601.65            | 3,589.44            | 14.69           | 13.65       | 176.80                | -2,078.29                         | -5,420.98  | 6,355.35             | 6,328.37              | 26.99                   | 235.489           |                    |         |
| 3,100.00                 | 3,043.66            | 3,700.92            | 3,688.14            | 15.19           | 14.12       | 176.84                | -2,071.94                         | -5,412.39  | 6,366.70             | 6,338.82              | 27.88                   | 228.362           |                    |         |
| 3,200.00                 | 3,141.30            | 3,800.19            | 3,786.83            | 15.69           | 14.59       | 176.88                | -2,065.58                         | -5,403.81  | 6,378.05             | 6,349.27              | 28.77                   | 221.662           |                    |         |
| 3,300.00                 | 3,238.94            | 3,900.54            | 3,885.52            | 16.19           | 15.06       | 176.92                | -2,059.22                         | -5,395.22  | 6,389.40             | 6,359.73              | 29.67                   | 215.318           |                    |         |
| 3,400.00                 | 3,336.57            | 3,998.73            | 3,984.21            | 16.69           | 15.53       | 176.95                | -2,052.86                         | -5,386.63  | 6,400.75             | 6,370.19              | 30.57                   | 209.403           |                    |         |
| 3,500.00                 | 3,434.21            | 4,102.00            | 4,082.91            | 17.19           | 16.02       | 176.99                | -2,046.50                         | -5,378.04  | 6,412.11             | 6,380.63              | 31.48                   | 203.669           |                    |         |
| 3,600.00                 | 3,531.85            | 4,202.73            | 4,181.60            | 17.69           | 16.50       | 177.03                | -2,040.15                         | -5,369.46  | 6,423.47             | 6,391.08              | 32.39                   | 198.319           |                    |         |
| 3,700.00                 | 3,629.48            | 4,303.47            | 4,280.29            | 18.20           | 16.98       | 177.06                | -2,033.79                         | -5,360.87  | 6,434.83             | 6,401.54              | 33.30                   | 193.254           |                    |         |
| 3,800.00                 | 3,727.12            | 4,404.20            | 4,378.98            | 18.70           | 17.46       | 177.10                | -2,027.43                         | -5,352.28  | 6,446.20             | 6,411.99              | 34.21                   | 188.451           |                    |         |
| 3,900.00                 | 3,824.76            | 4,504.93            | 4,477.67            | 19.21           | 17.94       | 177.14                | -2,021.07                         | -5,343.69  | 6,457.56             | 6,422.45              | 35.12                   | 183.892           |                    |         |
| 4,000.00                 | 3,922.40            | 4,605.66            | 4,576.37            | 19.71           | 18.42       | 177.17                | -2,014.71                         | -5,335.11  | 6,468.93             | 6,432.91              | 36.03                   | 179.558           |                    |         |
| 4,100.00                 | 4,020.03            | 4,706.39            | 4,675.06            | 20.21           | 18.90       | 177.21                | -2,008.36                         | -5,326.52  | 6,480.31             | 6,443.37              | 36.94                   | 175.433           |                    |         |
| 4,200.00                 | 4,117.67            | 4,807.12            | 4,773.75            | 20.72           | 19.39       | 177.24                | -2,002.00                         | -5,317.93  | 6,491.68             | 6,453.83              | 37.85                   | 171.504           |                    |         |
| 4,300.00                 | 4,215.31            | 4,892.15            | 4,872.44            | 21.23           | 19.79       | 177.28                | -1,995.64                         | -5,309.35  | 6,503.06             | 6,464.36              | 38.70                   | 168.057           |                    |         |
| 4,400.00                 | 4,312.94            | 5,008.58            | 4,971.14            | 21.73           | 20.35       | 177.31                | -1,989.28                         | -5,300.76  | 6,514.44             | 6,474.76              | 39.68                   | 164.177           |                    |         |
| 4,500.00                 | 4,410.58            | 5,109.31            | 5,069.83            | 22.24           | 20.84       | 177.35                | -1,982.92                         | -5,292.17  | 6,525.82             | 6,485.23              | 40.59                   | 160.758           |                    |         |
| 4,600.00                 | 4,508.22            | 5,189.96            | 5,168.52            | 22.75           | 21.23       | 177.39                | -1,976.57                         | -5,283.58  | 6,537.21             | 6,495.78              | 41.42                   | 157.826           |                    |         |
| 4,700.00                 | 4,605.86            | 5,289.22            | 5,267.21            | 23.25           | 21.70       | 177.42                | -1,970.21                         | -5,275.00  | 6,548.59             | 6,506.26              | 42.33                   | 154.703           |                    |         |
| 4,800.00                 | 4,703.49            | 5,388.49            | 5,365.90            | 23.76           | 22.18       | 177.46                | -1,963.85                         | -5,266.41  | 6,559.98             | 6,516.74              | 43.24                   | 151.710           |                    |         |
| 4,900.00                 | 4,801.13            | 5,487.76            | 5,464.60            | 24.27           | 22.66       | 177.49                | -1,957.49                         | -5,257.82  | 6,571.37             | 6,527.22              | 44.15                   | 148.839           |                    |         |
| 5,000.00                 | 4,898.77            | 5,587.03            | 5,563.29            | 24.77           | 23.14       | 177.53                | -1,951.13                         | -5,249.23  | 6,582.77             | 6,537.71              | 45.06                   | 146.083           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 1500-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                 | 4,996.40            | 5,686.30            | 5,661.98            | 25.28           | 23.62       | 177.56                | -1,944.78                         | -5,240.65  | 6,594.16             | 6,548.19              | 45.97                   | 143.434           |                    |         |
| 5,200.00                 | 5,094.04            | 5,716.15            | 5,691.66            | 25.79           | 23.76       | 177.57                | -1,942.86                         | -5,238.07  | 6,605.93             | 6,559.37              | 46.56                   | 141.892           |                    |         |
| 5,300.00                 | 5,191.68            | 5,768.63            | 5,743.88            | 26.30           | 24.01       | 177.59                | -1,939.79                         | -5,233.91  | 6,618.45             | 6,571.21              | 47.24                   | 140.100           |                    |         |
| 5,400.00                 | 5,289.32            | 5,800.00            | 5,775.14            | 26.81           | 24.16       | 177.60                | -1,938.22                         | -5,231.79  | 6,632.10             | 6,584.28              | 47.82                   | 138.689           |                    |         |
| 5,500.00                 | 5,386.95            | 5,800.00            | 5,775.14            | 27.32           | 24.16       | 177.60                | -1,938.22                         | -5,231.79  | 6,647.00             | 6,598.76              | 48.24                   | 137.799           |                    |         |
| 5,600.00                 | 5,484.59            | 5,860.71            | 5,835.71            | 27.83           | 24.43       | 177.61                | -1,935.77                         | -5,228.48  | 6,662.46             | 6,613.52              | 48.95                   | 136.117           |                    |         |
| 5,700.00                 | 5,582.23            | 5,900.00            | 5,874.95            | 28.33           | 24.60       | 177.62                | -1,934.59                         | -5,226.88  | 6,679.18             | 6,629.63              | 49.55                   | 134.808           |                    |         |
| 5,800.00                 | 5,679.87            | 5,900.00            | 5,874.95            | 28.84           | 24.60       | 177.62                | -1,934.59                         | -5,226.88  | 6,696.98             | 6,647.04              | 49.94                   | 134.107           |                    |         |
| 5,900.00                 | 5,777.50            | 5,951.91            | 5,926.83            | 29.35           | 24.82       | 177.63                | -1,933.52                         | -5,225.44  | 6,715.56             | 6,664.97              | 50.59                   | 132.753           |                    |         |
| 6,000.00                 | 5,875.14            | 6,000.00            | 5,974.91            | 29.86           | 25.02       | 177.63                | -1,933.03                         | -5,224.78  | 6,735.33             | 6,684.12              | 51.21                   | 131.516           |                    |         |
| 6,100.00                 | 5,972.78            | 6,012.14            | 5,987.05            | 30.37           | 25.07       | 177.64                | -1,932.98                         | -5,224.71  | 6,755.93             | 6,704.29              | 51.64                   | 130.819           |                    |         |
| 6,200.00                 | 6,070.41            | 6,080.50            | 6,055.41            | 30.88           | 25.34       | 177.64                | -1,932.96                         | -5,224.69  | 6,777.43             | 6,725.07              | 52.36                   | 129.433           |                    |         |
| 6,300.00                 | 6,168.05            | 6,178.14            | 6,153.05            | 31.39           | 25.73       | 177.65                | -1,932.96                         | -5,224.69  | 6,799.02             | 6,745.79              | 53.24                   | 127.717           |                    |         |
| 6,400.00                 | 6,265.69            | 6,275.78            | 6,250.69            | 31.90           | 26.12       | 177.66                | -1,932.96                         | -5,224.69  | 6,820.62             | 6,766.51              | 54.11                   | 126.056           |                    |         |
| 6,439.09                 | 6,303.85            | 6,313.94            | 6,288.85            | 32.10           | 26.27       | 177.66                | -1,932.96                         | -5,224.69  | 6,829.06             | 6,774.61              | 54.45                   | 125.421           |                    |         |
| 6,450.00                 | 6,314.53            | 6,324.62            | 6,299.53            | 32.16           | 26.31       | 179.20                | -1,932.96                         | -5,224.69  | 6,831.33             | 6,776.78              | 54.54                   | 125.245           |                    |         |
| 6,500.00                 | 6,363.83            | 6,373.92            | 6,348.83            | 32.39           | 26.51       | -169.13               | -1,932.96                         | -5,224.69  | 6,839.52             | 6,784.55              | 54.97                   | 124.416           |                    |         |
| 6,550.00                 | 6,413.58            | 6,378.45            | 6,353.36            | 32.60           | 26.53       | -136.41               | -1,933.11                         | -5,224.69  | 6,844.25             | 6,789.11              | 55.15                   | 124.107           |                    |         |
| 6,600.00                 | 6,463.45            | 6,400.00            | 6,374.90            | 32.79           | 26.61       | -75.55                | -1,933.83                         | -5,224.69  | 6,845.59             | 6,790.20              | 55.39                   | 123.580           |                    |         |
| 6,650.00                 | 6,513.15            | 6,400.00            | 6,374.90            | 32.97           | 26.61       | -48.11                | -1,933.83                         | -5,224.69  | 6,843.46             | 6,787.96              | 55.51                   | 123.291           |                    |         |
| 6,700.00                 | 6,562.37            | 6,400.00            | 6,374.90            | 33.15           | 26.61       | -38.28                | -1,933.83                         | -5,224.69  | 6,838.01             | 6,782.41              | 55.60                   | 122.984           |                    |         |
| 6,750.00                 | 6,610.80            | 6,400.00            | 6,374.90            | 33.34           | 26.61       | -33.73                | -1,933.83                         | -5,224.69  | 6,829.27             | 6,773.59              | 55.68                   | 122.657           |                    |         |
| 6,800.00                 | 6,658.14            | 6,438.40            | 6,413.19            | 33.53           | 26.73       | -31.42                | -1,936.62                         | -5,224.69  | 6,816.84             | 6,760.90              | 55.93                   | 121.874           |                    |         |
| 6,850.00                 | 6,704.11            | 6,449.52            | 6,424.24            | 33.74           | 26.77       | -30.18                | -1,937.79                         | -5,224.69  | 6,801.35             | 6,745.31              | 56.04                   | 121.373           |                    |         |
| 6,900.00                 | 6,748.42            | 6,460.18            | 6,434.83            | 33.97           | 26.81       | -29.64                | -1,939.06                         | -5,224.69  | 6,782.68             | 6,726.55              | 56.12                   | 120.850           |                    |         |
| 6,950.00                 | 6,790.79            | 6,500.00            | 6,474.19            | 34.21           | 26.94       | -29.72                | -1,945.11                         | -5,224.69  | 6,761.19             | 6,704.84              | 56.35                   | 119.982           |                    |         |
| 7,000.00                 | 6,830.97            | 6,500.00            | 6,474.19            | 34.48           | 26.94       | -30.06                | -1,945.11                         | -5,224.69  | 6,736.31             | 6,679.95              | 56.36                   | 119.514           |                    |         |
| 7,050.00                 | 6,868.71            | 6,500.00            | 6,474.19            | 34.77           | 26.94       | -30.78                | -1,945.11                         | -5,224.69  | 6,708.66             | 6,652.29              | 56.37                   | 119.013           |                    |         |
| 7,100.00                 | 6,903.77            | 6,500.00            | 6,474.19            | 35.09           | 26.94       | -31.87                | -1,945.11                         | -5,224.69  | 6,678.36             | 6,621.99              | 56.37                   | 118.476           |                    |         |
| 7,150.00                 | 6,935.93            | 6,500.00            | 6,474.19            | 35.44           | 26.94       | -33.36                | -1,945.11                         | -5,224.69  | 6,645.56             | 6,589.20              | 56.37                   | 117.900           |                    |         |
| 7,200.00                 | 6,965.01            | 6,500.00            | 6,474.19            | 35.83           | 26.94       | -35.29                | -1,945.11                         | -5,224.69  | 6,610.44             | 6,554.08              | 56.36                   | 117.280           |                    |         |
| 7,250.00                 | 6,990.82            | 6,500.00            | 6,474.19            | 36.26           | 26.94       | -37.75                | -1,945.11                         | -5,224.69  | 6,573.18             | 6,516.81              | 56.37                   | 116.612           |                    |         |
| 7,300.00                 | 7,013.20            | 6,500.00            | 6,474.19            | 36.72           | 26.94       | -40.86                | -1,945.11                         | -5,224.69  | 6,533.96             | 6,477.58              | 56.38                   | 115.895           |                    |         |
| 7,350.00                 | 7,032.02            | 6,500.00            | 6,474.19            | 37.23           | 26.94       | -44.74                | -1,945.11                         | -5,224.69  | 6,493.00             | 6,436.60              | 56.40                   | 115.126           |                    |         |
| 7,400.00                 | 7,047.15            | 6,500.00            | 6,474.19            | 37.77           | 26.94       | -49.61                | -1,945.11                         | -5,224.69  | 6,450.52             | 6,394.09              | 56.43                   | 114.303           |                    |         |
| 7,450.00                 | 7,058.51            | 6,500.00            | 6,474.19            | 38.34           | 26.94       | -55.65                | -1,945.11                         | -5,224.69  | 6,406.76             | 6,350.27              | 56.48                   | 113.426           |                    |         |
| 7,500.00                 | 7,066.02            | 6,500.00            | 6,474.19            | 38.95           | 26.94       | -63.10                | -1,945.11                         | -5,224.69  | 6,361.95             | 6,305.40              | 56.55                   | 112.497           |                    |         |
| 7,550.00                 | 7,069.64            | 6,500.00            | 6,474.19            | 39.58           | 26.94       | -72.02                | -1,945.11                         | -5,224.69  | 6,316.36             | 6,259.72              | 56.64                   | 111.518           |                    |         |
| 7,571.20                 | 7,070.00            | 6,500.00            | 6,474.19            | 39.85           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 6,296.87             | 6,240.18              | 56.68                   | 111.087           |                    |         |
| 7,600.00                 | 7,070.00            | 6,500.00            | 6,474.19            | 40.23           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 6,270.33             | 6,213.58              | 56.75                   | 110.497           |                    |         |
| 7,700.00                 | 7,070.01            | 6,500.00            | 6,474.19            | 41.64           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 6,178.35             | 6,121.36              | 57.00                   | 108.400           |                    |         |
| 7,800.00                 | 7,070.02            | 6,500.00            | 6,474.19            | 43.20           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 6,086.63             | 6,029.33              | 57.30                   | 106.224           |                    |         |
| 7,900.00                 | 7,070.03            | 6,500.00            | 6,474.19            | 44.89           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,995.17             | 5,937.51              | 57.66                   | 103.973           |                    |         |
| 8,000.00                 | 7,070.04            | 6,500.00            | 6,474.19            | 46.69           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,903.99             | 5,845.91              | 58.08                   | 101.648           |                    |         |
| 8,100.00                 | 7,070.05            | 6,500.00            | 6,474.19            | 48.60           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,813.10             | 5,754.53              | 58.57                   | 99.255            |                    |         |
| 8,200.00                 | 7,070.05            | 6,500.00            | 6,474.19            | 50.59           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,722.51             | 5,663.39              | 59.12                   | 96.798            |                    |         |
| 8,300.00                 | 7,070.06            | 6,500.00            | 6,474.19            | 52.66           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,632.24             | 5,572.50              | 59.74                   | 94.282            |                    |         |
| 8,400.00                 | 7,070.07            | 6,500.00            | 6,474.19            | 54.81           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,542.30             | 5,481.88              | 60.43                   | 91.715            |                    |         |
| 8,500.00                 | 7,070.08            | 6,500.00            | 6,474.19            | 57.02           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,452.72             | 5,391.53              | 61.19                   | 89.104            |                    |         |
| 8,600.00                 | 7,070.09            | 6,500.00            | 6,474.19            | 59.28           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,363.50             | 5,301.47              | 62.04                   | 86.456            |                    |         |
| 8,700.00                 | 7,070.10            | 6,500.00            | 6,474.19            | 61.60           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,274.67             | 5,211.72              | 62.96                   | 83.780            |                    |         |
| 8,800.00                 | 7,070.11            | 6,500.00            | 6,474.19            | 63.95           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,186.25             | 5,122.29              | 63.96                   | 81.085            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 1500-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                 | 7,070.12            | 6,500.00            | 6,474.19            | 66.35           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,098.26             | 5,033.21              | 65.05                   | 78.378            |                    |         |
| 9,000.00                 | 7,070.13            | 6,500.00            | 6,474.19            | 68.79           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 5,010.71             | 4,944.49              | 66.22                   | 75.669            |                    |         |
| 9,100.00                 | 7,070.13            | 6,500.00            | 6,474.19            | 71.25           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 4,923.64             | 4,856.16              | 67.48                   | 72.966            |                    |         |
| 9,200.00                 | 7,070.14            | 6,500.00            | 6,474.19            | 73.74           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 4,837.07             | 4,768.24              | 68.83                   | 70.277            |                    |         |
| 9,300.00                 | 7,070.15            | 6,500.00            | 6,474.19            | 76.26           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 4,751.03             | 4,680.76              | 70.27                   | 67.610            |                    |         |
| 9,400.00                 | 7,070.16            | 6,500.00            | 6,474.19            | 78.80           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 4,665.54             | 4,593.73              | 71.81                   | 64.972            |                    |         |
| 9,500.00                 | 7,070.17            | 6,500.00            | 6,474.19            | 81.37           | 26.94       | -76.23                | -1,945.11                         | -5,224.69  | 4,580.64             | 4,507.20              | 73.44                   | 62.371            |                    |         |
| 9,600.00                 | 7,070.18            | 6,535.72            | 6,509.18            | 83.95           | 27.04       | -77.07                | -1,952.28                         | -5,224.69  | 4,495.77             | 4,420.26              | 75.51                   | 59.538            |                    |         |
| 9,700.00                 | 7,070.19            | 6,535.73            | 6,509.18            | 86.55           | 27.04       | -77.07                | -1,952.28                         | -5,224.69  | 4,412.14             | 4,334.79              | 77.35                   | 57.038            |                    |         |
| 9,800.00                 | 7,070.20            | 6,535.73            | 6,509.19            | 89.17           | 27.04       | -77.07                | -1,952.28                         | -5,224.69  | 4,329.20             | 4,249.90              | 79.30                   | 54.592            |                    |         |
| 9,900.00                 | 7,070.21            | 6,535.74            | 6,509.19            | 91.80           | 27.04       | -77.07                | -1,952.28                         | -5,224.69  | 4,247.00             | 4,165.64              | 81.35                   | 52.204            |                    |         |
| 10,000.00                | 7,070.21            | 6,535.74            | 6,509.20            | 94.44           | 27.04       | -77.07                | -1,952.28                         | -5,224.69  | 4,165.58             | 4,082.06              | 83.52                   | 49.877            |                    |         |
| 10,100.00                | 7,070.22            | 6,535.75            | 6,509.20            | 97.10           | 27.04       | -77.07                | -1,952.28                         | -5,224.69  | 4,084.98             | 3,999.19              | 85.79                   | 47.616            |                    |         |
| 10,200.00                | 7,070.23            | 6,535.75            | 6,509.21            | 99.77           | 27.04       | -77.07                | -1,952.28                         | -5,224.69  | 4,005.25             | 3,917.08              | 88.18                   | 45.423            |                    |         |
| 10,300.00                | 7,070.24            | 6,535.75            | 6,509.21            | 102.44          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,926.46             | 3,835.78              | 90.68                   | 43.300            |                    |         |
| 10,400.00                | 7,070.25            | 6,535.76            | 6,509.21            | 105.13          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,848.65             | 3,755.34              | 93.30                   | 41.250            |                    |         |
| 10,500.00                | 7,070.26            | 6,535.76            | 6,509.22            | 107.83          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,771.88             | 3,675.84              | 96.04                   | 39.272            |                    |         |
| 10,600.00                | 7,070.27            | 6,535.77            | 6,509.22            | 110.53          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,696.23             | 3,597.32              | 98.91                   | 37.370            |                    |         |
| 10,700.00                | 7,070.28            | 6,535.77            | 6,509.23            | 113.24          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,621.76             | 3,519.85              | 101.90                  | 35.542            |                    |         |
| 10,800.00                | 7,070.28            | 6,535.78            | 6,509.23            | 115.96          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,548.54             | 3,443.52              | 105.02                  | 33.790            |                    |         |
| 10,900.00                | 7,070.29            | 6,535.78            | 6,509.24            | 118.69          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,476.66             | 3,368.39              | 108.26                  | 32.113            |                    |         |
| 11,000.00                | 7,070.30            | 6,535.79            | 6,509.24            | 121.42          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,406.19             | 3,294.56              | 111.64                  | 30.511            |                    |         |
| 11,100.00                | 7,070.31            | 6,535.79            | 6,509.25            | 124.16          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,337.24             | 3,222.10              | 115.14                  | 28.984            |                    |         |
| 11,200.00                | 7,070.32            | 6,535.80            | 6,509.25            | 126.90          | 27.04       | -77.07                | -1,952.29                         | -5,224.69  | 3,269.89             | 3,151.12              | 118.77                  | 27.531            |                    |         |
| 11,300.00                | 7,070.33            | 6,535.80            | 6,509.26            | 129.65          | 27.04       | -77.07                | -1,952.30                         | -5,224.69  | 3,204.25             | 3,081.72              | 122.52                  | 26.152            |                    |         |
| 11,400.00                | 7,070.34            | 6,535.81            | 6,509.26            | 132.40          | 27.04       | -77.07                | -1,952.30                         | -5,224.69  | 3,140.41             | 3,014.01              | 126.40                  | 24.844            |                    |         |
| 11,500.00                | 7,070.35            | 6,535.81            | 6,509.26            | 135.16          | 27.04       | -77.07                | -1,952.30                         | -5,224.69  | 3,078.51             | 2,948.11              | 130.40                  | 23.608            |                    |         |
| 11,600.00                | 7,070.36            | 6,535.82            | 6,509.27            | 137.92          | 27.04       | -77.07                | -1,952.30                         | -5,224.69  | 3,018.65             | 2,884.13              | 134.51                  | 22.441            |                    |         |
| 11,700.00                | 7,070.36            | 6,535.82            | 6,509.27            | 140.69          | 27.04       | -77.07                | -1,952.30                         | -5,224.69  | 2,960.95             | 2,822.22              | 138.73                  | 21.343            |                    |         |
| 11,800.00                | 7,070.37            | 6,535.83            | 6,509.28            | 143.46          | 27.04       | -77.07                | -1,952.30                         | -5,224.69  | 2,905.56             | 2,762.51              | 143.04                  | 20.312            |                    |         |
| 11,900.00                | 7,070.38            | 6,535.83            | 6,509.28            | 146.23          | 27.04       | -77.07                | -1,952.30                         | -5,224.69  | 2,852.59             | 2,705.15              | 147.44                  | 19.347            |                    |         |
| 12,000.00                | 7,070.39            | 6,535.83            | 6,509.29            | 149.01          | 27.04       | -77.07                | -1,952.30                         | -5,224.69  | 2,802.19             | 2,650.28              | 151.91                  | 18.446            |                    |         |
| 12,100.00                | 7,070.40            | 6,535.84            | 6,509.29            | 151.79          | 27.04       | -77.07                | -1,952.30                         | -5,224.69  | 2,754.51             | 2,598.07              | 156.44                  | 17.608            |                    |         |
| 12,200.00                | 7,070.41            | 6,535.84            | 6,509.30            | 154.57          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,709.67             | 2,548.67              | 161.00                  | 16.830            |                    |         |
| 12,300.00                | 7,070.42            | 6,535.85            | 6,509.30            | 157.35          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,667.83             | 2,502.25              | 165.58                  | 16.112            |                    |         |
| 12,400.00                | 7,070.43            | 6,535.85            | 6,509.31            | 160.14          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,629.13             | 2,458.99              | 170.15                  | 15.452            |                    |         |
| 12,500.00                | 7,070.44            | 6,535.86            | 6,509.31            | 162.93          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,593.71             | 2,419.03              | 174.68                  | 14.848            |                    |         |
| 12,600.00                | 7,070.44            | 6,535.86            | 6,509.31            | 165.72          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,561.71             | 2,382.55              | 179.16                  | 14.299            |                    |         |
| 12,700.00                | 7,070.45            | 6,535.87            | 6,509.32            | 168.52          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,533.25             | 2,349.71              | 183.54                  | 13.802            |                    |         |
| 12,800.00                | 7,070.46            | 6,535.87            | 6,509.32            | 171.32          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,508.46             | 2,320.66              | 187.80                  | 13.357            |                    |         |
| 12,900.00                | 7,070.47            | 6,535.88            | 6,509.33            | 174.11          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,487.45             | 2,295.53              | 191.92                  | 12.961            |                    |         |
| 13,000.00                | 7,070.48            | 6,535.88            | 6,509.33            | 176.92          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,470.31             | 2,274.46              | 195.85                  | 12.614            |                    |         |
| 13,100.00                | 7,070.49            | 6,535.89            | 6,509.34            | 179.72          | 27.04       | -77.07                | -1,952.31                         | -5,224.69  | 2,457.12             | 2,257.55              | 199.56                  | 12.312            |                    |         |
| 13,200.00                | 7,070.50            | 6,535.89            | 6,509.34            | 182.52          | 27.04       | -77.07                | -1,952.32                         | -5,224.69  | 2,447.95             | 2,244.90              | 203.05                  | 12.056            |                    |         |
| 13,300.00                | 7,070.51            | 6,535.90            | 6,509.35            | 185.33          | 27.04       | -77.07                | -1,952.32                         | -5,224.69  | 2,442.84             | 2,236.57              | 206.27                  | 11.843            |                    |         |
| 13,374.93                | 7,070.51            | 6,535.90            | 6,509.35            | 187.43          | 27.04       | -77.07                | -1,952.32                         | -5,224.69  | 2,441.69             | 2,233.19              | 208.50                  | 11.711 CC         |                    |         |
| 13,400.00                | 7,070.52            | 6,535.90            | 6,509.35            | 188.14          | 27.04       | -77.07                | -1,952.32                         | -5,224.69  | 2,441.82             | 2,232.61              | 209.20                  | 11.672 ES         |                    |         |
| 13,500.00                | 7,070.52            | 6,535.90            | 6,509.36            | 190.95          | 27.04       | -77.07                | -1,952.32                         | -5,224.69  | 2,444.89             | 2,233.04              | 211.85                  | 11.541            |                    |         |
| 13,600.00                | 7,070.53            | 6,535.91            | 6,509.36            | 193.76          | 27.04       | -77.07                | -1,952.32                         | -5,224.69  | 2,452.04             | 2,237.86              | 214.18                  | 11.449            |                    |         |
| 13,700.00                | 7,070.54            | 6,535.91            | 6,509.37            | 196.57          | 27.04       | -77.07                | -1,952.32                         | -5,224.69  | 2,463.23             | 2,247.04              | 216.19                  | 11.394            |                    |         |
| 13,800.00                | 7,070.55            | 6,535.92            | 6,509.37            | 199.38          | 27.04       | -77.08                | -1,952.32                         | -5,224.69  | 2,478.41             | 2,260.53              | 217.89                  | 11.375 SF         |                    |         |
| 13,900.00                | 7,070.56            | 6,535.92            | 6,509.37            | 202.20          | 27.04       | -77.08                | -1,952.32                         | -5,224.69  | 2,497.51             | 2,278.24              | 219.27                  | 11.390            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 1500-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                | 7,070.57            | 6,535.93            | 6,509.38            | 205.01          | 27.04       | -77.08                | -1,952.32                         | -5,224.69  | 2,520.43             | 2,300.09              | 220.34                  | 11.439            |                    |         |
| 14,100.00                | 7,070.58            | 6,535.93            | 6,509.38            | 207.83          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,547.07             | 2,325.96              | 221.11                  | 11.519            |                    |         |
| 14,200.00                | 7,070.59            | 6,535.94            | 6,509.39            | 210.65          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,577.32             | 2,355.72              | 221.61                  | 11.630            |                    |         |
| 14,300.00                | 7,070.60            | 6,535.94            | 6,509.39            | 213.47          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,611.05             | 2,389.22              | 221.83                  | 11.771            |                    |         |
| 14,400.00                | 7,070.60            | 6,535.95            | 6,509.40            | 216.29          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,648.13             | 2,426.33              | 221.81                  | 11.939            |                    |         |
| 14,500.00                | 7,070.61            | 6,535.95            | 6,509.40            | 219.11          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,688.42             | 2,466.87              | 221.56                  | 12.134            |                    |         |
| 14,600.00                | 7,070.62            | 6,535.96            | 6,509.41            | 221.94          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,731.78             | 2,510.69              | 221.10                  | 12.356            |                    |         |
| 14,700.00                | 7,070.63            | 6,535.96            | 6,509.41            | 224.76          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,778.07             | 2,557.61              | 220.45                  | 12.602            |                    |         |
| 14,800.00                | 7,070.64            | 6,535.97            | 6,509.42            | 227.58          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,827.13             | 2,607.48              | 219.65                  | 12.871            |                    |         |
| 14,900.00                | 7,070.65            | 6,535.97            | 6,509.42            | 230.41          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,878.83             | 2,660.14              | 218.69                  | 13.164            |                    |         |
| 15,000.00                | 7,070.66            | 6,535.98            | 6,509.42            | 233.24          | 27.04       | -77.08                | -1,952.33                         | -5,224.69  | 2,933.03             | 2,715.42              | 217.61                  | 13.478            |                    |         |
| 15,100.00                | 7,070.67            | 6,535.98            | 6,509.43            | 236.06          | 27.04       | -77.08                | -1,952.34                         | -5,224.69  | 2,989.60             | 2,773.17              | 216.43                  | 13.813            |                    |         |
| 15,200.00                | 7,070.68            | 6,535.98            | 6,509.43            | 238.89          | 27.04       | -77.08                | -1,952.34                         | -5,224.69  | 3,048.40             | 2,833.24              | 215.15                  | 14.169            |                    |         |
| 15,300.00                | 7,070.68            | 6,535.99            | 6,509.44            | 241.72          | 27.04       | -77.08                | -1,952.34                         | -5,224.69  | 3,109.30             | 2,895.50              | 213.80                  | 14.543            |                    |         |
| 15,400.00                | 7,070.69            | 6,535.99            | 6,509.44            | 244.55          | 27.04       | -77.08                | -1,952.34                         | -5,224.69  | 3,172.18             | 2,959.79              | 212.39                  | 14.936            |                    |         |
| 15,500.00                | 7,070.70            | 6,536.00            | 6,509.45            | 247.38          | 27.04       | -77.08                | -1,952.34                         | -5,224.69  | 3,236.94             | 3,026.01              | 210.93                  | 15.346            |                    |         |
| 15,600.00                | 7,070.71            | 6,536.00            | 6,509.45            | 250.21          | 27.04       | -77.08                | -1,952.34                         | -5,224.69  | 3,303.45             | 3,094.02              | 209.43                  | 15.773            |                    |         |
| 15,700.00                | 7,070.72            | 6,536.01            | 6,509.46            | 253.04          | 27.04       | -77.08                | -1,952.34                         | -5,224.69  | 3,371.61             | 3,163.71              | 207.91                  | 16.217            |                    |         |
| 15,800.00                | 7,070.73            | 6,536.01            | 6,509.46            | 255.87          | 27.04       | -77.08                | -1,952.34                         | -5,224.69  | 3,441.34             | 3,234.97              | 206.36                  | 16.676            |                    |         |
| 15,900.00                | 7,070.74            | 6,536.02            | 6,509.47            | 258.71          | 27.04       | -77.08                | -1,952.34                         | -5,224.69  | 3,512.52             | 3,307.71              | 204.81                  | 17.150            |                    |         |
| 16,000.00                | 7,070.75            | 6,536.02            | 6,509.47            | 261.54          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 3,585.08             | 3,381.83              | 203.26                  | 17.638            |                    |         |
| 16,100.00                | 7,070.76            | 6,536.03            | 6,509.48            | 264.37          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 3,658.94             | 3,457.23              | 201.71                  | 18.140            |                    |         |
| 16,200.00                | 7,070.76            | 6,536.03            | 6,509.48            | 267.21          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 3,734.01             | 3,533.85              | 200.16                  | 18.655            |                    |         |
| 16,300.00                | 7,070.77            | 6,536.04            | 6,509.48            | 270.04          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 3,810.23             | 3,611.60              | 198.63                  | 19.183            |                    |         |
| 16,400.00                | 7,070.78            | 6,536.04            | 6,509.49            | 272.88          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 3,887.53             | 3,690.41              | 197.11                  | 19.722            |                    |         |
| 16,500.00                | 7,070.79            | 6,536.05            | 6,509.49            | 275.71          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 3,965.84             | 3,770.22              | 195.62                  | 20.274            |                    |         |
| 16,600.00                | 7,070.80            | 6,536.05            | 6,509.50            | 278.55          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 4,045.11             | 3,850.97              | 194.14                  | 20.836            |                    |         |
| 16,700.00                | 7,070.81            | 6,536.06            | 6,509.50            | 281.39          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 4,125.28             | 3,932.59              | 192.69                  | 21.409            |                    |         |
| 16,800.00                | 7,070.82            | 6,536.06            | 6,509.51            | 284.22          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 4,206.30             | 4,015.04              | 191.26                  | 21.993            |                    |         |
| 16,900.00                | 7,070.83            | 6,536.06            | 6,509.51            | 287.06          | 27.04       | -77.08                | -1,952.35                         | -5,224.69  | 4,288.12             | 4,098.26              | 189.86                  | 22.586            |                    |         |
| 17,000.00                | 7,070.84            | 6,536.07            | 6,509.52            | 289.90          | 27.04       | -77.08                | -1,952.36                         | -5,224.69  | 4,370.69             | 4,182.21              | 188.48                  | 23.189            |                    |         |
| 17,100.00                | 7,070.84            | 6,536.07            | 6,509.52            | 292.74          | 27.04       | -77.08                | -1,952.36                         | -5,224.69  | 4,453.98             | 4,266.85              | 187.14                  | 23.801            |                    |         |
| 17,200.00                | 7,070.85            | 6,536.08            | 6,509.53            | 295.58          | 27.04       | -77.08                | -1,952.36                         | -5,224.69  | 4,537.95             | 4,352.13              | 185.82                  | 24.421            |                    |         |
| 17,300.00                | 7,070.86            | 6,536.08            | 6,509.53            | 298.42          | 27.04       | -77.08                | -1,952.36                         | -5,224.69  | 4,622.55             | 4,438.03              | 184.53                  | 25.051            |                    |         |
| 17,400.00                | 7,070.87            | 6,536.09            | 6,509.53            | 301.26          | 27.04       | -77.08                | -1,952.36                         | -5,224.69  | 4,707.76             | 4,524.49              | 183.27                  | 25.688            |                    |         |
| 17,500.00                | 7,070.88            | 6,536.09            | 6,509.54            | 304.10          | 27.04       | -77.08                | -1,952.36                         | -5,224.69  | 4,793.54             | 4,611.50              | 182.04                  | 26.333            |                    |         |
| 17,600.00                | 7,070.89            | 6,536.10            | 6,509.54            | 306.94          | 27.04       | -77.08                | -1,952.36                         | -5,224.69  | 4,879.86             | 4,699.03              | 180.83                  | 26.986            |                    |         |
| 17,700.00                | 7,070.90            | 6,536.10            | 6,509.55            | 309.78          | 27.04       | -77.08                | -1,952.36                         | -5,224.69  | 4,966.69             | 4,787.04              | 179.66                  | 27.645            |                    |         |
| 17,800.00                | 7,070.91            | 6,536.11            | 6,509.55            | 312.62          | 27.04       | -77.08                | -1,952.36                         | -5,224.69  | 5,054.02             | 4,875.50              | 178.51                  | 28.312            |                    |         |
| 17,900.00                | 7,070.92            | 6,536.11            | 6,509.56            | 315.46          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,141.80             | 4,964.40              | 177.39                  | 28.985            |                    |         |
| 18,000.00                | 7,070.92            | 6,536.12            | 6,509.56            | 318.31          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,230.02             | 5,053.72              | 176.30                  | 29.665            |                    |         |
| 18,100.00                | 7,070.93            | 6,536.12            | 6,509.57            | 321.15          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,318.66             | 5,143.42              | 175.24                  | 30.351            |                    |         |
| 18,200.00                | 7,070.94            | 6,536.13            | 6,509.57            | 323.99          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,407.69             | 5,233.49              | 174.20                  | 31.043            |                    |         |
| 18,300.00                | 7,070.95            | 6,536.13            | 6,509.58            | 326.83          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,497.10             | 5,323.91              | 173.19                  | 31.741            |                    |         |
| 18,400.00                | 7,070.96            | 6,536.14            | 6,509.58            | 329.68          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,586.87             | 5,414.67              | 172.20                  | 32.444            |                    |         |
| 18,500.00                | 7,070.97            | 6,536.14            | 6,509.59            | 332.52          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,676.99             | 5,505.75              | 171.24                  | 33.152            |                    |         |
| 18,600.00                | 7,070.98            | 6,536.14            | 6,509.59            | 335.36          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,767.42             | 5,597.12              | 170.30                  | 33.866            |                    |         |
| 18,700.00                | 7,070.99            | 6,536.15            | 6,509.59            | 338.21          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,858.17             | 5,688.78              | 169.39                  | 34.584            |                    |         |
| 18,800.00                | 7,070.99            | 6,536.15            | 6,509.60            | 341.05          | 27.04       | -77.08                | -1,952.37                         | -5,224.69  | 5,949.22             | 5,780.72              | 168.50                  | 35.307            |                    |         |
| 18,858.54                | 7,071.00            | 6,536.16            | 6,509.60            | 342.72          | 27.04       | -77.08                | -1,952.38                         | -5,224.69  | 6,002.65             | 5,834.66              | 167.99                  | 35.733            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 2000-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                     | 0.00                | 15.00               | -15.00              | 3.28            | 3.28        | -111.45               | -2,212.88                         | -5,633.36  | 6,052.40             |                       |                         |                   |                    |         |
| 100.00                   | 100.00              | 85.00               | 85.00               | 3.28            | 3.29        | -111.45               | -2,212.88                         | -5,633.36  | 6,052.40             | 6,045.83              | 6.57                    | 921.218           |                    |         |
| 200.00                   | 200.00              | 185.00              | 185.00              | 3.34            | 3.31        | -111.45               | -2,212.88                         | -5,633.36  | 6,052.40             | 6,045.76              | 6.64                    | 911.223           |                    |         |
| 300.00                   | 300.00              | 285.00              | 285.00              | 3.44            | 3.34        | -111.45               | -2,212.88                         | -5,633.36  | 6,052.40             | 6,045.62              | 6.78                    | 892.159           |                    |         |
| 400.00                   | 399.98              | 384.98              | 384.98              | 3.60            | 3.39        | 176.05                | -2,212.88                         | -5,633.36  | 6,054.15             | 6,047.16              | 6.99                    | 866.341           |                    |         |
| 500.00                   | 499.84              | 484.84              | 484.84              | 3.80            | 3.45        | 176.05                | -2,212.88                         | -5,633.36  | 6,059.37             | 6,052.12              | 7.25                    | 835.710           |                    |         |
| 600.00                   | 599.45              | 584.45              | 584.45              | 4.04            | 3.52        | 176.04                | -2,212.88                         | -5,633.36  | 6,068.06             | 6,060.49              | 7.57                    | 802.028           |                    |         |
| 700.00                   | 698.70              | 683.70              | 683.70              | 4.32            | 3.61        | 176.03                | -2,212.88                         | -5,633.36  | 6,080.22             | 6,072.29              | 7.93                    | 767.016           |                    |         |
| 800.00                   | 797.47              | 782.47              | 782.47              | 4.63            | 3.70        | 176.02                | -2,212.88                         | -5,633.36  | 6,095.82             | 6,087.50              | 8.33                    | 731.974           |                    |         |
| 900.00                   | 895.62              | 880.62              | 880.62              | 4.97            | 3.81        | 176.01                | -2,212.88                         | -5,633.36  | 6,114.86             | 6,106.10              | 8.76                    | 697.806           |                    |         |
| 924.00                   | 919.08              | 904.08              | 904.08              | 5.06            | 3.83        | 176.00                | -2,212.88                         | -5,633.36  | 6,119.94             | 6,111.06              | 8.88                    | 689.470           |                    |         |
| 1,000.00                 | 993.28              | 978.28              | 978.28              | 5.34            | 3.92        | 176.01                | -2,212.88                         | -5,633.36  | 6,136.32             | 6,127.10              | 9.22                    | 665.204           |                    |         |
| 1,100.00                 | 1,090.92            | 1,075.92            | 1,075.92            | 5.73            | 4.04        | 176.03                | -2,212.88                         | -5,633.36  | 6,157.88             | 6,148.18              | 9.70                    | 634.548           |                    |         |
| 1,200.00                 | 1,188.56            | 1,173.56            | 1,173.56            | 6.15            | 4.17        | 176.04                | -2,212.88                         | -5,633.36  | 6,179.44             | 6,169.24              | 10.21                   | 605.443           |                    |         |
| 1,300.00                 | 1,286.19            | 1,271.19            | 1,271.19            | 6.57            | 4.31        | 176.06                | -2,212.88                         | -5,633.36  | 6,201.00             | 6,190.28              | 10.73                   | 578.032           |                    |         |
| 1,400.00                 | 1,383.83            | 1,368.83            | 1,368.83            | 7.01            | 4.45        | 176.07                | -2,212.88                         | -5,633.36  | 6,222.56             | 6,211.30              | 11.27                   | 552.352           |                    |         |
| 1,500.00                 | 1,481.47            | 1,466.47            | 1,466.47            | 7.46            | 4.59        | 176.08                | -2,212.88                         | -5,633.36  | 6,244.13             | 6,232.31              | 11.82                   | 528.377           |                    |         |
| 1,600.00                 | 1,579.10            | 1,564.10            | 1,564.10            | 7.91            | 4.75        | 176.10                | -2,212.88                         | -5,633.36  | 6,265.69             | 6,253.31              | 12.38                   | 506.038           |                    |         |
| 1,700.00                 | 1,676.74            | 1,661.74            | 1,661.74            | 8.37            | 4.90        | 176.11                | -2,212.88                         | -5,633.36  | 6,287.25             | 6,274.29              | 12.96                   | 485.244           |                    |         |
| 1,800.00                 | 1,774.38            | 1,759.38            | 1,759.38            | 8.84            | 5.07        | 176.12                | -2,212.88                         | -5,633.36  | 6,308.81             | 6,295.27              | 13.54                   | 465.895           |                    |         |
| 1,900.00                 | 1,872.02            | 1,857.02            | 1,857.02            | 9.31            | 5.23        | 176.14                | -2,212.88                         | -5,633.36  | 6,330.38             | 6,316.24              | 14.13                   | 447.885           |                    |         |
| 2,000.00                 | 1,969.65            | 1,954.65            | 1,954.65            | 9.79            | 5.40        | 176.15                | -2,212.88                         | -5,633.36  | 6,351.94             | 6,337.21              | 14.73                   | 431.111           |                    |         |
| 2,100.00                 | 2,067.29            | 2,089.29            | 2,089.27            | 10.27           | 5.80        | 176.18                | -2,211.52                         | -5,633.61  | 6,373.35             | 6,357.78              | 15.57                   | 409.234           |                    |         |
| 2,200.00                 | 2,164.93            | 2,255.81            | 2,255.47            | 10.75           | 6.42        | 176.29                | -2,201.66                         | -5,635.44  | 6,393.82             | 6,377.18              | 16.64                   | 384.198           |                    |         |
| 2,300.00                 | 2,262.56            | 2,362.57            | 2,361.74            | 11.24           | 6.82        | 176.40                | -2,191.56                         | -5,637.31  | 6,413.65             | 6,396.15              | 17.50                   | 366.559           |                    |         |
| 2,400.00                 | 2,360.20            | 2,460.00            | 2,458.71            | 11.73           | 7.21        | 176.49                | -2,182.27                         | -5,639.04  | 6,433.49             | 6,415.16              | 18.33                   | 351.040           |                    |         |
| 2,500.00                 | 2,457.84            | 2,557.44            | 2,555.68            | 12.22           | 7.60        | 176.59                | -2,172.97                         | -5,640.76  | 6,453.34             | 6,434.17              | 19.17                   | 336.680           |                    |         |
| 2,600.00                 | 2,555.48            | 2,654.87            | 2,652.65            | 12.71           | 8.01        | 176.69                | -2,163.68                         | -5,642.49  | 6,473.21             | 6,453.20              | 20.02                   | 323.379           |                    |         |
| 2,700.00                 | 2,653.11            | 2,752.30            | 2,749.63            | 13.20           | 8.42        | 176.78                | -2,154.38                         | -5,644.21  | 6,493.10             | 6,472.23              | 20.88                   | 311.045           |                    |         |
| 2,800.00                 | 2,750.75            | 2,849.73            | 2,846.60            | 13.70           | 8.83        | 176.87                | -2,145.09                         | -5,645.93  | 6,513.01             | 6,491.27              | 21.74                   | 299.591           |                    |         |
| 2,900.00                 | 2,848.39            | 2,947.16            | 2,943.57            | 14.19           | 9.25        | 176.97                | -2,135.79                         | -5,647.66  | 6,532.93             | 6,510.32              | 22.61                   | 288.938           |                    |         |
| 3,000.00                 | 2,946.02            | 3,044.60            | 3,040.54            | 14.69           | 9.67        | 177.06                | -2,126.50                         | -5,649.38  | 6,552.87             | 6,529.38              | 23.49                   | 279.013           |                    |         |
| 3,100.00                 | 3,043.66            | 3,142.03            | 3,137.51            | 15.19           | 10.10       | 177.15                | -2,117.20                         | -5,651.11  | 6,572.82             | 6,548.46              | 24.37                   | 269.752           |                    |         |
| 3,200.00                 | 3,141.30            | 3,239.46            | 3,234.49            | 15.69           | 10.53       | 177.24                | -2,107.91                         | -5,652.83  | 6,592.80             | 6,567.55              | 25.25                   | 261.095           |                    |         |
| 3,300.00                 | 3,238.94            | 3,336.89            | 3,331.46            | 16.19           | 10.97       | 177.34                | -2,098.61                         | -5,654.56  | 6,612.79             | 6,586.65              | 26.14                   | 252.989           |                    |         |
| 3,400.00                 | 3,336.57            | 3,434.32            | 3,428.43            | 16.69           | 11.40       | 177.43                | -2,089.32                         | -5,656.28  | 6,632.79             | 6,605.76              | 27.03                   | 245.388           |                    |         |
| 3,500.00                 | 3,434.21            | 3,531.75            | 3,525.40            | 17.19           | 11.84       | 177.52                | -2,080.02                         | -5,658.00  | 6,652.81             | 6,624.89              | 27.92                   | 238.248           |                    |         |
| 3,600.00                 | 3,531.85            | 3,629.19            | 3,622.37            | 17.69           | 12.28       | 177.61                | -2,070.73                         | -5,659.73  | 6,672.85             | 6,644.03              | 28.82                   | 231.530           |                    |         |
| 3,700.00                 | 3,629.48            | 3,726.62            | 3,719.35            | 18.20           | 12.72       | 177.70                | -2,061.43                         | -5,661.45  | 6,692.90             | 6,663.18              | 29.72                   | 225.201           |                    |         |
| 3,800.00                 | 3,727.12            | 3,824.05            | 3,816.32            | 18.70           | 13.16       | 177.78                | -2,052.14                         | -5,663.18  | 6,712.97             | 6,682.35              | 30.62                   | 219.229           |                    |         |
| 3,900.00                 | 3,824.76            | 3,921.48            | 3,913.29            | 19.21           | 13.61       | 177.87                | -2,042.84                         | -5,664.90  | 6,733.06             | 6,701.53              | 31.52                   | 213.586           |                    |         |
| 4,000.00                 | 3,922.40            | 4,018.91            | 4,010.26            | 19.71           | 14.06       | 177.96                | -2,033.55                         | -5,666.62  | 6,753.15             | 6,720.73              | 32.43                   | 208.247           |                    |         |
| 4,100.00                 | 4,020.03            | 4,116.34            | 4,107.23            | 20.21           | 14.50       | 178.05                | -2,024.25                         | -5,668.35  | 6,773.27             | 6,739.93              | 33.33                   | 203.188           |                    |         |
| 4,200.00                 | 4,117.67            | 4,213.78            | 4,204.21            | 20.72           | 14.95       | 178.13                | -2,014.96                         | -5,670.07  | 6,793.40             | 6,759.16              | 34.24                   | 198.389           |                    |         |
| 4,300.00                 | 4,215.31            | 4,311.21            | 4,301.18            | 21.23           | 15.40       | 178.22                | -2,005.66                         | -5,671.80  | 6,813.54             | 6,778.39              | 35.15                   | 193.831           |                    |         |
| 4,400.00                 | 4,312.94            | 4,408.64            | 4,398.15            | 21.73           | 15.85       | 178.31                | -1,996.37                         | -5,673.52  | 6,833.70             | 6,797.64              | 36.06                   | 189.497           |                    |         |
| 4,500.00                 | 4,410.58            | 4,506.07            | 4,495.12            | 22.24           | 16.30       | 178.39                | -1,987.07                         | -5,675.24  | 6,853.88             | 6,816.90              | 36.97                   | 185.371           |                    |         |
| 4,600.00                 | 4,508.22            | 4,603.50            | 4,592.09            | 22.75           | 16.76       | 178.48                | -1,977.78                         | -5,676.97  | 6,874.07             | 6,836.18              | 37.89                   | 181.439           |                    |         |
| 4,700.00                 | 4,605.86            | 4,700.93            | 4,689.07            | 23.25           | 17.21       | 178.56                | -1,968.48                         | -5,678.69  | 6,894.27             | 6,855.47              | 38.80                   | 177.688           |                    |         |
| 4,800.00                 | 4,703.49            | 4,801.63            | 4,786.04            | 23.76           | 17.68       | 178.64                | -1,959.19                         | -5,680.42  | 6,914.49             | 6,874.76              | 39.73                   | 174.039           |                    |         |
| 4,900.00                 | 4,801.13            | 4,895.80            | 4,883.01            | 24.27           | 18.12       | 178.73                | -1,949.89                         | -5,682.14  | 6,934.72             | 6,894.09              | 40.63                   | 170.682           |                    |         |
| 5,000.00                 | 4,898.77            | 4,978.25            | 4,965.11            | 24.77           | 18.50       | 178.79                | -1,942.35                         | -5,683.54  | 6,955.03             | 6,913.56              | 41.46                   | 167.735           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 2000-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                 | 4,996.40            | 5,050.78            | 5,037.45            | 25.28           | 18.82       | 178.84                | -1,937.40                         | -5,684.46  | 6,975.67             | 6,933.43              | 42.24                   | 165.157           |                    |         |
| 5,200.00                 | 5,094.04            | 5,123.41            | 5,110.02            | 25.79           | 19.14       | 178.87                | -1,934.25                         | -5,685.04  | 6,996.67             | 6,953.66              | 43.00                   | 162.711           |                    |         |
| 5,300.00                 | 5,191.68            | 5,200.00            | 5,186.59            | 26.30           | 19.46       | 178.88                | -1,932.89                         | -5,685.29  | 7,018.02             | 6,974.24              | 43.77                   | 160.325           |                    |         |
| 5,400.00                 | 5,289.32            | 5,287.73            | 5,274.32            | 26.81           | 19.83       | 178.88                | -1,932.86                         | -5,685.30  | 7,039.61             | 6,995.02              | 44.59                   | 157.861           |                    |         |
| 5,500.00                 | 5,386.95            | 5,385.36            | 5,371.95            | 27.32           | 20.23       | 178.89                | -1,932.86                         | -5,685.30  | 7,061.22             | 7,015.75              | 45.46                   | 155.319           |                    |         |
| 5,600.00                 | 5,484.59            | 5,483.00            | 5,469.59            | 27.83           | 20.64       | 178.89                | -1,932.86                         | -5,685.30  | 7,082.82             | 7,036.49              | 46.33                   | 152.871           |                    |         |
| 5,700.00                 | 5,582.23            | 5,580.64            | 5,567.23            | 28.33           | 21.05       | 178.89                | -1,932.86                         | -5,685.30  | 7,104.43             | 7,057.23              | 47.20                   | 150.511           |                    |         |
| 5,800.00                 | 5,679.87            | 5,678.28            | 5,664.87            | 28.84           | 21.45       | 178.90                | -1,932.86                         | -5,685.30  | 7,126.03             | 7,077.96              | 48.07                   | 148.236           |                    |         |
| 5,900.00                 | 5,777.50            | 5,775.91            | 5,762.50            | 29.35           | 21.86       | 178.90                | -1,932.86                         | -5,685.30  | 7,147.64             | 7,098.70              | 48.94                   | 146.040           |                    |         |
| 6,000.00                 | 5,875.14            | 5,873.55            | 5,860.14            | 29.86           | 22.27       | 178.90                | -1,932.86                         | -5,685.30  | 7,169.25             | 7,119.43              | 49.81                   | 143.920           |                    |         |
| 6,100.00                 | 5,972.78            | 5,971.19            | 5,957.78            | 30.37           | 22.68       | 178.91                | -1,932.86                         | -5,685.30  | 7,190.85             | 7,140.17              | 50.69                   | 141.872           |                    |         |
| 6,200.00                 | 6,070.41            | 6,068.82            | 6,055.41            | 30.88           | 23.08       | 178.91                | -1,932.86                         | -5,685.30  | 7,212.46             | 7,160.90              | 51.56                   | 139.892           |                    |         |
| 6,300.00                 | 6,168.05            | 6,166.46            | 6,153.05            | 31.39           | 23.49       | 178.91                | -1,932.86                         | -5,685.30  | 7,234.06             | 7,181.63              | 52.43                   | 137.977           |                    |         |
| 6,400.00                 | 6,265.69            | 6,264.10            | 6,250.69            | 31.90           | 23.90       | 178.92                | -1,932.86                         | -5,685.30  | 7,255.67             | 7,202.37              | 53.30                   | 136.124           |                    |         |
| 6,439.09                 | 6,303.85            | 6,302.26            | 6,288.85            | 32.10           | 24.06       | 178.92                | -1,932.86                         | -5,685.30  | 7,264.12             | 7,210.47              | 53.64                   | 135.415           |                    |         |
| 6,450.00                 | 6,314.53            | 6,312.94            | 6,299.53            | 32.16           | 24.10       | -179.54               | -1,932.86                         | -5,685.30  | 7,266.39             | 7,212.65              | 53.74                   | 135.219           |                    |         |
| 6,500.00                 | 6,363.83            | 6,362.24            | 6,348.83            | 32.39           | 24.31       | -167.89               | -1,932.86                         | -5,685.30  | 7,274.57             | 7,220.40              | 54.17                   | 134.298           |                    |         |
| 6,550.00                 | 6,413.58            | 6,411.99            | 6,398.58            | 32.60           | 24.52       | -135.20               | -1,932.86                         | -5,685.30  | 7,279.06             | 7,224.47              | 54.59                   | 133.348           |                    |         |
| 6,600.00                 | 6,463.45            | 6,461.87            | 6,448.45            | 32.79           | 24.73       | -74.37                | -1,932.86                         | -5,685.30  | 7,279.84             | 7,224.85              | 54.99                   | 132.386           |                    |         |
| 6,650.00                 | 6,513.15            | 6,511.56            | 6,498.15            | 32.97           | 24.94       | -46.98                | -1,932.86                         | -5,685.30  | 7,276.90             | 7,221.52              | 55.37                   | 131.416           |                    |         |
| 6,700.00                 | 6,562.37            | 6,560.78            | 6,547.37            | 33.15           | 25.14       | -37.22                | -1,932.86                         | -5,685.30  | 7,270.26             | 7,214.52              | 55.74                   | 130.438           |                    |         |
| 6,750.00                 | 6,610.80            | 6,609.21            | 6,595.80            | 33.34           | 25.34       | -32.76                | -1,932.86                         | -5,685.30  | 7,259.96             | 7,203.88              | 56.08                   | 129.450           |                    |         |
| 6,800.00                 | 6,658.14            | 6,656.55            | 6,642.79            | 33.53           | 25.54       | -30.31                | -1,933.77                         | -5,685.30  | 7,247.27             | 7,191.45              | 55.82                   | 129.841           |                    |         |
| 6,850.00                 | 6,704.11            | 6,702.52            | 6,690.11            | 33.74           | 25.74       | -29.08                | -1,934.40                         | -5,685.30  | 7,230.73             | 7,174.79              | 55.94                   | 129.264           |                    |         |
| 6,900.00                 | 6,748.42            | 6,746.83            | 6,732.42            | 33.97           | 25.94       | -28.54                | -1,935.16                         | -5,685.30  | 7,210.98             | 7,154.94              | 56.04                   | 128.669           |                    |         |
| 6,950.00                 | 6,790.79            | 6,789.20            | 6,775.79            | 34.21           | 26.14       | -28.59                | -1,938.69                         | -5,685.30  | 7,188.32             | 7,132.07              | 56.25                   | 127.785           |                    |         |
| 7,000.00                 | 6,830.97            | 6,829.38            | 6,815.97            | 34.48           | 26.34       | -28.95                | -1,938.69                         | -5,685.30  | 7,162.39             | 7,106.11              | 56.28                   | 127.257           |                    |         |
| 7,050.00                 | 6,868.71            | 6,867.12            | 6,853.71            | 34.77           | 26.54       | -29.68                | -1,938.69                         | -5,685.30  | 7,133.68             | 7,077.38              | 56.30                   | 126.701           |                    |         |
| 7,100.00                 | 6,903.77            | 6,902.18            | 6,888.77            | 35.09           | 26.74       | -30.79                | -1,938.69                         | -5,685.30  | 7,102.33             | 7,046.02              | 56.32                   | 126.113           |                    |         |
| 7,150.00                 | 6,935.93            | 6,934.34            | 6,919.93            | 35.44           | 26.94       | -32.31                | -1,938.69                         | -5,685.30  | 7,068.51             | 7,012.18              | 56.33                   | 125.489           |                    |         |
| 7,200.00                 | 6,965.01            | 6,963.42            | 6,948.01            | 35.83           | 27.14       | -34.30                | -1,938.69                         | -5,685.30  | 7,032.37             | 6,976.03              | 56.34                   | 124.827           |                    |         |
| 7,250.00                 | 6,990.82            | 6,989.23            | 6,974.82            | 36.26           | 27.34       | -36.86                | -1,938.69                         | -5,685.30  | 6,994.12             | 6,937.77              | 56.35                   | 124.123           |                    |         |
| 7,300.00                 | 7,013.20            | 7,011.61            | 6,996.80            | 36.72           | 27.54       | -40.11                | -1,938.69                         | -5,685.30  | 6,953.96             | 6,897.59              | 56.37                   | 123.373           |                    |         |
| 7,350.00                 | 7,032.02            | 7,030.43            | 7,015.61            | 37.23           | 27.74       | -44.22                | -1,938.69                         | -5,685.30  | 6,912.09             | 6,855.70              | 56.39                   | 122.577           |                    |         |
| 7,400.00                 | 7,047.15            | 7,045.56            | 7,030.73            | 37.77           | 27.94       | -49.97                | -1,944.03                         | -5,685.30  | 6,868.37             | 6,811.77              | 56.59                   | 121.365           |                    |         |
| 7,450.00                 | 7,058.51            | 7,056.92            | 7,043.09            | 38.34           | 28.14       | -56.69                | -1,944.49                         | -5,685.30  | 6,823.75             | 6,767.09              | 56.65                   | 120.444           |                    |         |
| 7,500.00                 | 7,066.02            | 7,064.43            | 7,050.19            | 38.95           | 28.34       | -65.04                | -1,944.79                         | -5,685.30  | 6,778.17             | 6,721.44              | 56.73                   | 119.485           |                    |         |
| 7,550.00                 | 7,069.64            | 7,068.05            | 7,054.40            | 39.58           | 28.54       | -75.07                | -1,944.94                         | -5,685.30  | 6,731.91             | 6,675.10              | 56.81                   | 118.489           |                    |         |
| 7,571.20                 | 7,070.00            | 7,068.41            | 7,054.76            | 39.85           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 6,712.16             | 6,655.30              | 56.86                   | 118.056           |                    |         |
| 7,600.00                 | 7,070.00            | 7,068.41            | 7,054.76            | 40.23           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 6,685.28             | 6,628.37              | 56.91                   | 117.464           |                    |         |
| 7,700.00                 | 7,070.01            | 7,068.41            | 7,054.76            | 41.64           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 6,592.11             | 6,534.97              | 57.14                   | 115.362           |                    |         |
| 7,800.00                 | 7,070.02            | 7,068.41            | 7,054.76            | 43.20           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 6,499.14             | 6,441.72              | 57.42                   | 113.188           |                    |         |
| 7,900.00                 | 7,070.03            | 7,068.41            | 7,054.76            | 44.89           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 6,406.38             | 6,348.63              | 57.74                   | 110.943           |                    |         |
| 8,000.00                 | 7,070.04            | 7,068.41            | 7,054.76            | 46.69           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 6,313.84             | 6,255.72              | 58.12                   | 108.629           |                    |         |
| 8,100.00                 | 7,070.05            | 7,068.41            | 7,054.76            | 48.60           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 6,221.53             | 6,162.98              | 58.56                   | 106.249           |                    |         |
| 8,200.00                 | 7,070.05            | 7,068.41            | 7,054.76            | 50.59           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 6,129.47             | 6,070.42              | 59.05                   | 103.807           |                    |         |
| 8,300.00                 | 7,070.06            | 7,068.41            | 7,054.76            | 52.66           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 6,037.65             | 5,978.06              | 59.60                   | 101.308           |                    |         |
| 8,400.00                 | 7,070.07            | 7,068.41            | 7,054.76            | 54.81           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 5,946.10             | 5,885.89              | 60.21                   | 98.757            |                    |         |
| 8,500.00                 | 7,070.08            | 7,068.41            | 7,054.76            | 57.02           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 5,854.83             | 5,793.94              | 60.89                   | 96.160            |                    |         |
| 8,600.00                 | 7,070.09            | 7,068.41            | 7,054.76            | 59.28           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 5,763.85             | 5,702.22              | 61.63                   | 93.524            |                    |         |
| 8,700.00                 | 7,070.10            | 7,068.41            | 7,054.76            | 61.60           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 5,673.17             | 5,610.73              | 62.44                   | 90.855            |                    |         |
| 8,800.00                 | 7,070.11            | 7,068.41            | 7,054.76            | 63.95           | 28.54       | -79.77                | -1,944.96                         | -5,685.30  | 5,582.81             | 5,519.48              | 63.33                   | 88.161            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 2000-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                 | 7,070.12            | 6,641.75            | 6,627.62            | 66.35           | 25.40       | -79.77                | -1,944.97                         | -5,685.30  | 5,492.78             | 5,428.50              | 64.28                   | 85.448            |                    |         |
| 9,000.00                 | 7,070.13            | 6,641.75            | 6,627.62            | 68.79           | 25.40       | -79.77                | -1,944.97                         | -5,685.30  | 5,403.10             | 5,337.79              | 65.31                   | 82.726            |                    |         |
| 9,100.00                 | 7,070.13            | 6,641.75            | 6,627.62            | 71.25           | 25.40       | -79.77                | -1,944.97                         | -5,685.30  | 5,313.79             | 5,247.37              | 66.42                   | 80.000            |                    |         |
| 9,200.00                 | 7,070.14            | 6,641.75            | 6,627.62            | 73.74           | 25.40       | -79.77                | -1,944.97                         | -5,685.30  | 5,224.87             | 5,157.26              | 67.61                   | 77.279            |                    |         |
| 9,300.00                 | 7,070.15            | 6,641.76            | 6,627.63            | 76.26           | 25.40       | -79.77                | -1,944.97                         | -5,685.30  | 5,136.36             | 5,067.48              | 68.88                   | 74.570            |                    |         |
| 9,400.00                 | 7,070.16            | 6,641.76            | 6,627.63            | 78.80           | 25.40       | -79.77                | -1,944.97                         | -5,685.30  | 5,048.27             | 4,978.04              | 70.23                   | 71.879            |                    |         |
| 9,500.00                 | 7,070.17            | 6,641.76            | 6,627.63            | 81.37           | 25.40       | -79.77                | -1,944.97                         | -5,685.30  | 4,960.64             | 4,888.97              | 71.67                   | 69.214            |                    |         |
| 9,600.00                 | 7,070.18            | 6,641.77            | 6,627.63            | 83.95           | 25.40       | -79.77                | -1,944.97                         | -5,685.30  | 4,873.48             | 4,800.29              | 73.20                   | 66.580            |                    |         |
| 9,700.00                 | 7,070.19            | 6,641.77            | 6,627.64            | 86.55           | 25.40       | -79.77                | -1,944.97                         | -5,685.30  | 4,786.83             | 4,712.02              | 74.81                   | 63.984            |                    |         |
| 9,800.00                 | 7,070.20            | 6,641.77            | 6,627.64            | 89.17           | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 4,700.71             | 4,624.18              | 76.52                   | 61.431            |                    |         |
| 9,900.00                 | 7,070.21            | 6,641.77            | 6,627.64            | 91.80           | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 4,615.14             | 4,536.82              | 78.32                   | 58.924            |                    |         |
| 10,000.00                | 7,070.21            | 6,641.78            | 6,627.65            | 94.44           | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 4,530.17             | 4,449.94              | 80.22                   | 56.470            |                    |         |
| 10,100.00                | 7,070.22            | 6,641.78            | 6,627.65            | 97.10           | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 4,445.82             | 4,363.60              | 82.22                   | 54.072            |                    |         |
| 10,200.00                | 7,070.23            | 6,641.78            | 6,627.65            | 99.77           | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 4,362.13             | 4,277.81              | 84.32                   | 51.732            |                    |         |
| 10,300.00                | 7,070.24            | 6,641.78            | 6,627.65            | 102.44          | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 4,279.15             | 4,192.62              | 86.53                   | 49.454            |                    |         |
| 10,400.00                | 7,070.25            | 6,641.79            | 6,627.66            | 105.13          | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 4,196.90             | 4,108.06              | 88.84                   | 47.241            |                    |         |
| 10,500.00                | 7,070.26            | 6,641.79            | 6,627.66            | 107.83          | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 4,115.44             | 4,024.18              | 91.26                   | 45.094            |                    |         |
| 10,600.00                | 7,070.27            | 6,641.79            | 6,627.66            | 110.53          | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 4,034.82             | 3,941.02              | 93.80                   | 43.015            |                    |         |
| 10,700.00                | 7,070.28            | 6,641.80            | 6,627.66            | 113.24          | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 3,955.08             | 3,858.63              | 96.45                   | 41.006            |                    |         |
| 10,800.00                | 7,070.28            | 6,641.80            | 6,627.67            | 115.96          | 25.40       | -79.78                | -1,944.97                         | -5,685.30  | 3,876.28             | 3,777.06              | 99.22                   | 39.067            |                    |         |
| 10,900.00                | 7,070.29            | 6,641.80            | 6,627.67            | 118.69          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,798.48             | 3,696.36              | 102.11                  | 37.199            |                    |         |
| 11,000.00                | 7,070.30            | 6,641.80            | 6,627.67            | 121.42          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,721.74             | 3,616.61              | 105.13                  | 35.402            |                    |         |
| 11,100.00                | 7,070.31            | 6,641.81            | 6,627.68            | 124.16          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,646.12             | 3,537.85              | 108.27                  | 33.676            |                    |         |
| 11,200.00                | 7,070.32            | 6,641.81            | 6,627.68            | 126.90          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,571.71             | 3,460.17              | 111.54                  | 32.022            |                    |         |
| 11,300.00                | 7,070.33            | 6,641.81            | 6,627.68            | 129.65          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,498.57             | 3,383.63              | 114.94                  | 30.439            |                    |         |
| 11,400.00                | 7,070.34            | 6,641.82            | 6,627.68            | 132.40          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,426.79             | 3,308.32              | 118.47                  | 28.926            |                    |         |
| 11,500.00                | 7,070.35            | 6,641.82            | 6,627.69            | 135.16          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,356.45             | 3,234.33              | 122.13                  | 27.483            |                    |         |
| 11,600.00                | 7,070.36            | 6,641.82            | 6,627.69            | 137.92          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,287.65             | 3,161.74              | 125.92                  | 26.110            |                    |         |
| 11,700.00                | 7,070.36            | 6,641.82            | 6,627.69            | 140.69          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,220.49             | 3,090.65              | 129.84                  | 24.804            |                    |         |
| 11,800.00                | 7,070.37            | 6,641.83            | 6,627.70            | 143.46          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,155.07             | 3,021.18              | 133.88                  | 23.566            |                    |         |
| 11,900.00                | 7,070.38            | 6,641.83            | 6,627.70            | 146.23          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,091.49             | 2,953.44              | 138.05                  | 22.394            |                    |         |
| 12,000.00                | 7,070.39            | 6,641.83            | 6,627.70            | 149.01          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 3,029.89             | 2,887.55              | 142.34                  | 21.287            |                    |         |
| 12,100.00                | 7,070.40            | 6,641.84            | 6,627.70            | 151.79          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 2,970.37             | 2,823.64              | 146.73                  | 20.243            |                    |         |
| 12,200.00                | 7,070.41            | 6,641.84            | 6,627.71            | 154.57          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 2,913.08             | 2,761.84              | 151.23                  | 19.262            |                    |         |
| 12,300.00                | 7,070.42            | 6,641.84            | 6,627.71            | 157.35          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 2,858.13             | 2,702.31              | 155.82                  | 18.343            |                    |         |
| 12,400.00                | 7,070.43            | 6,641.84            | 6,627.71            | 160.14          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 2,805.67             | 2,645.19              | 160.48                  | 17.483            |                    |         |
| 12,500.00                | 7,070.44            | 6,641.85            | 6,627.71            | 162.93          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 2,755.85             | 2,590.64              | 165.21                  | 16.681            |                    |         |
| 12,600.00                | 7,070.44            | 6,641.85            | 6,627.72            | 165.72          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 2,708.80             | 2,538.82              | 169.97                  | 15.937            |                    |         |
| 12,700.00                | 7,070.45            | 6,641.85            | 6,627.72            | 168.52          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 2,664.67             | 2,489.91              | 174.76                  | 15.248            |                    |         |
| 12,800.00                | 7,070.46            | 6,641.85            | 6,627.72            | 171.32          | 25.40       | -79.78                | -1,944.98                         | -5,685.30  | 2,623.62             | 2,444.08              | 179.54                  | 14.613            |                    |         |
| 12,900.00                | 7,070.47            | 6,641.86            | 6,627.73            | 174.11          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,585.78             | 2,401.49              | 184.29                  | 14.031            |                    |         |
| 13,000.00                | 7,070.48            | 6,641.86            | 6,627.73            | 176.92          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,551.30             | 2,362.32              | 188.98                  | 13.500            |                    |         |
| 13,100.00                | 7,070.49            | 6,641.86            | 6,627.73            | 179.72          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,520.32             | 2,326.75              | 193.58                  | 13.020            |                    |         |
| 13,200.00                | 7,070.50            | 6,641.87            | 6,627.73            | 182.52          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,492.98             | 2,294.92              | 198.05                  | 12.587            |                    |         |
| 13,300.00                | 7,070.51            | 6,641.87            | 6,627.74            | 185.33          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,469.38             | 2,267.00              | 202.37                  | 12.202            |                    |         |
| 13,400.00                | 7,070.52            | 6,641.87            | 6,627.74            | 188.14          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,449.63             | 2,243.13              | 206.51                  | 11.862            |                    |         |
| 13,500.00                | 7,070.52            | 6,641.87            | 6,627.74            | 190.95          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,433.84             | 2,223.43              | 210.42                  | 11.567            |                    |         |
| 13,600.00                | 7,070.53            | 6,641.88            | 6,627.74            | 193.76          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,422.08             | 2,208.01              | 214.08                  | 11.314            |                    |         |
| 13,700.00                | 7,070.54            | 6,641.88            | 6,627.75            | 196.57          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,414.41             | 2,196.95              | 217.46                  | 11.103            |                    |         |
| 13,800.00                | 7,070.55            | 6,641.88            | 6,627.75            | 199.38          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,410.87             | 2,190.32              | 220.54                  | 10.932            |                    |         |
| 13,835.54                | 7,070.55            | 6,641.88            | 6,627.75            | 200.38          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,410.60             | 2,189.04              | 221.56                  | 10.880 CC         |                    |         |
| 13,900.00                | 7,070.56            | 6,641.89            | 6,627.75            | 202.20          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,411.46             | 2,188.16              | 223.31                  | 10.799 ES         |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 2000-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                | 7,070.57            | 6,641.89            | 6,627.76            | 205.01          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,416.21             | 2,190.47              | 225.74                  | 10.704            |                    |         |
| 14,100.00                | 7,070.58            | 6,641.89            | 6,627.76            | 207.83          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,425.07             | 2,197.24              | 227.83                  | 10.644            |                    |         |
| 14,200.00                | 7,070.59            | 6,641.89            | 6,627.76            | 210.65          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,438.00             | 2,208.43              | 229.57                  | 10.620 SF         |                    |         |
| 14,300.00                | 7,070.60            | 6,641.90            | 6,627.76            | 213.47          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,454.94             | 2,223.97              | 230.97                  | 10.629            |                    |         |
| 14,400.00                | 7,070.60            | 6,641.90            | 6,627.77            | 216.29          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,475.81             | 2,243.78              | 232.03                  | 10.670            |                    |         |
| 14,500.00                | 7,070.61            | 6,641.90            | 6,627.77            | 219.11          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,500.50             | 2,267.73              | 232.77                  | 10.742            |                    |         |
| 14,600.00                | 7,070.62            | 6,641.91            | 6,627.77            | 221.94          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,528.91             | 2,295.72              | 233.20                  | 10.845            |                    |         |
| 14,700.00                | 7,070.63            | 6,641.91            | 6,627.78            | 224.76          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,560.92             | 2,327.59              | 233.33                  | 10.975            |                    |         |
| 14,800.00                | 7,070.64            | 6,641.91            | 6,627.78            | 227.58          | 25.40       | -79.78                | -1,944.99                         | -5,685.30  | 2,596.38             | 2,363.18              | 233.19                  | 11.134            |                    |         |
| 14,900.00                | 7,070.65            | 6,641.91            | 6,627.78            | 230.41          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 2,635.16             | 2,402.35              | 232.81                  | 11.319            |                    |         |
| 15,000.00                | 7,070.66            | 6,641.92            | 6,627.78            | 233.24          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 2,677.12             | 2,444.92              | 232.20                  | 11.530            |                    |         |
| 15,100.00                | 7,070.67            | 6,641.92            | 6,627.79            | 236.06          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 2,722.10             | 2,490.73              | 231.38                  | 11.765            |                    |         |
| 15,200.00                | 7,070.68            | 6,641.92            | 6,627.79            | 238.89          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 2,769.97             | 2,539.59              | 230.39                  | 12.023            |                    |         |
| 15,300.00                | 7,070.68            | 6,641.92            | 6,627.79            | 241.72          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 2,820.57             | 2,591.34              | 229.23                  | 12.304            |                    |         |
| 15,400.00                | 7,070.69            | 6,641.93            | 6,627.79            | 244.55          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 2,873.77             | 2,645.82              | 227.95                  | 12.607            |                    |         |
| 15,500.00                | 7,070.70            | 6,641.93            | 6,627.80            | 247.38          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 2,929.41             | 2,702.86              | 226.54                  | 12.931            |                    |         |
| 15,600.00                | 7,070.71            | 6,641.93            | 6,627.80            | 250.21          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 2,987.36             | 2,762.31              | 225.04                  | 13.275            |                    |         |
| 15,700.00                | 7,070.72            | 6,641.94            | 6,627.80            | 253.04          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,047.49             | 2,824.02              | 223.47                  | 13.637            |                    |         |
| 15,800.00                | 7,070.73            | 6,641.94            | 6,627.81            | 255.87          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,109.68             | 2,887.85              | 221.83                  | 14.019            |                    |         |
| 15,900.00                | 7,070.74            | 6,641.94            | 6,627.81            | 258.71          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,173.80             | 2,953.66              | 220.14                  | 14.417            |                    |         |
| 16,000.00                | 7,070.75            | 6,641.94            | 6,627.81            | 261.54          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,239.73             | 3,021.32              | 218.41                  | 14.833            |                    |         |
| 16,100.00                | 7,070.76            | 6,641.95            | 6,627.81            | 264.37          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,307.38             | 3,090.72              | 216.66                  | 15.265            |                    |         |
| 16,200.00                | 7,070.76            | 6,641.95            | 6,627.82            | 267.21          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,376.63             | 3,161.74              | 214.89                  | 15.713            |                    |         |
| 16,300.00                | 7,070.77            | 6,641.95            | 6,627.82            | 270.04          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,447.40             | 3,234.28              | 213.12                  | 16.176            |                    |         |
| 16,400.00                | 7,070.78            | 6,641.96            | 6,627.82            | 272.88          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,519.58             | 3,308.24              | 211.34                  | 16.653            |                    |         |
| 16,500.00                | 7,070.79            | 6,641.96            | 6,627.82            | 275.71          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,593.09             | 3,383.52              | 209.58                  | 17.144            |                    |         |
| 16,600.00                | 7,070.80            | 6,641.96            | 6,627.83            | 278.55          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,667.86             | 3,460.04              | 207.82                  | 17.649            |                    |         |
| 16,700.00                | 7,070.81            | 6,641.96            | 6,627.83            | 281.39          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,743.81             | 3,537.72              | 206.09                  | 18.166            |                    |         |
| 16,800.00                | 7,070.82            | 6,641.97            | 6,627.83            | 284.22          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,820.86             | 3,616.49              | 204.37                  | 18.696            |                    |         |
| 16,900.00                | 7,070.83            | 6,641.97            | 6,627.84            | 287.06          | 25.40       | -79.78                | -1,945.00                         | -5,685.30  | 3,898.96             | 3,696.28              | 202.68                  | 19.237            |                    |         |
| 17,000.00                | 7,070.84            | 6,641.97            | 6,627.84            | 289.90          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 3,978.04             | 3,777.02              | 201.02                  | 19.790            |                    |         |
| 17,100.00                | 7,070.84            | 6,641.98            | 6,627.84            | 292.74          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,058.04             | 3,858.66              | 199.38                  | 20.353            |                    |         |
| 17,200.00                | 7,070.85            | 6,641.98            | 6,627.84            | 295.58          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,138.91             | 3,941.13              | 197.78                  | 20.927            |                    |         |
| 17,300.00                | 7,070.86            | 6,641.98            | 6,627.85            | 298.42          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,220.60             | 4,024.40              | 196.20                  | 21.511            |                    |         |
| 17,400.00                | 7,070.87            | 6,641.98            | 6,627.85            | 301.26          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,303.06             | 4,108.40              | 194.66                  | 22.105            |                    |         |
| 17,500.00                | 7,070.88            | 6,641.99            | 6,627.85            | 304.10          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,386.26             | 4,193.10              | 193.15                  | 22.709            |                    |         |
| 17,600.00                | 7,070.89            | 6,641.99            | 6,627.86            | 306.94          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,470.14             | 4,278.46              | 191.68                  | 23.321            |                    |         |
| 17,700.00                | 7,070.90            | 6,641.99            | 6,627.86            | 309.78          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,554.67             | 4,364.43              | 190.24                  | 23.942            |                    |         |
| 17,800.00                | 7,070.91            | 6,641.99            | 6,627.86            | 312.62          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,639.82             | 4,450.99              | 188.83                  | 24.571            |                    |         |
| 17,900.00                | 7,070.92            | 6,642.00            | 6,627.86            | 315.46          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,725.55             | 4,538.09              | 187.46                  | 25.208            |                    |         |
| 18,000.00                | 7,070.92            | 6,642.00            | 6,627.87            | 318.31          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,811.83             | 4,625.71              | 186.12                  | 25.853            |                    |         |
| 18,100.00                | 7,070.93            | 6,642.00            | 6,627.87            | 321.15          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,898.63             | 4,713.82              | 184.81                  | 26.506            |                    |         |
| 18,200.00                | 7,070.94            | 6,642.01            | 6,627.87            | 323.99          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 4,985.93             | 4,802.39              | 183.54                  | 27.166            |                    |         |
| 18,300.00                | 7,070.95            | 6,642.01            | 6,627.87            | 326.83          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 5,073.69             | 4,891.40              | 182.30                  | 27.832            |                    |         |
| 18,400.00                | 7,070.96            | 6,642.01            | 6,627.88            | 329.68          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 5,161.90             | 4,980.82              | 181.09                  | 28.505            |                    |         |
| 18,500.00                | 7,070.97            | 6,642.01            | 6,627.88            | 332.52          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 5,250.54             | 5,070.63              | 179.91                  | 29.185            |                    |         |
| 18,600.00                | 7,070.98            | 6,642.02            | 6,627.88            | 335.36          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 5,339.57             | 5,160.82              | 178.76                  | 29.871            |                    |         |
| 18,700.00                | 7,070.99            | 6,642.02            | 6,627.89            | 338.21          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 5,428.99             | 5,251.35              | 177.64                  | 30.562            |                    |         |
| 18,800.00                | 7,070.99            | 6,642.02            | 6,627.89            | 341.05          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 5,518.77             | 5,342.22              | 176.55                  | 31.260            |                    |         |
| 18,858.54                | 7,071.00            | 6,642.02            | 6,627.89            | 342.72          | 25.40       | -79.78                | -1,945.01                         | -5,685.30  | 5,571.49             | 5,395.57              | 175.92                  | 31.670            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -11.68                | 1,343.56                          | -277.80    | 1,375.20             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 6.00                | 6.00                | 3.28            | 3.28        | -11.68                | 1,343.56                          | -277.80    | 1,371.98             | 1,365.41              | 6.57                    | 208.940           |                    |         |
| 200.00                                  | 200.00              | 106.00              | 106.00              | 3.34            | 3.82        | -11.68                | 1,343.56                          | -277.80    | 1,371.98             | 1,364.82              | 7.16                    | 191.739           |                    |         |
| 300.00                                  | 300.00              | 206.00              | 206.00              | 3.44            | 6.36        | -11.68                | 1,343.56                          | -277.80    | 1,371.98             | 1,362.18              | 9.80                    | 139.965           |                    |         |
| 400.00                                  | 399.98              | 305.98              | 305.98              | 3.60            | 9.52        | -84.26                | 1,343.56                          | -277.80    | 1,371.80             | 1,358.68              | 13.12                   | 104.558           |                    |         |
| 500.00                                  | 499.84              | 405.84              | 405.84              | 3.80            | 12.85       | -84.49                | 1,343.56                          | -277.80    | 1,371.29             | 1,354.64              | 16.65                   | 82.371            |                    |         |
| 600.00                                  | 599.45              | 505.45              | 505.45              | 4.04            | 16.23       | -84.86                | 1,343.56                          | -277.80    | 1,370.48             | 1,350.20              | 20.27                   | 67.599            |                    |         |
| 700.00                                  | 698.70              | 604.70              | 604.70              | 4.32            | 19.64       | -85.39                | 1,343.56                          | -277.80    | 1,369.43             | 1,345.48              | 23.96                   | 57.166            |                    |         |
| 800.00                                  | 797.47              | 703.47              | 703.47              | 4.63            | 23.05       | -86.06                | 1,343.56                          | -277.80    | 1,368.25             | 1,340.58              | 27.67                   | 49.447            |                    |         |
| 900.00                                  | 895.62              | 801.62              | 801.62              | 4.97            | 26.44       | -86.86                | 1,343.56                          | -277.80    | 1,367.05             | 1,335.64              | 31.41                   | 43.524            |                    |         |
| 924.00                                  | 919.08              | 825.08              | 825.08              | 5.06            | 27.26       | -87.08                | 1,343.56                          | -277.80    | 1,366.78             | 1,334.47              | 32.31                   | 42.304            |                    |         |
| 1,000.00                                | 993.28              | 900.72              | 899.28              | 5.34            | 29.88       | -87.75                | 1,343.56                          | -277.80    | 1,366.02             | 1,330.80              | 35.22                   | 38.790            |                    |         |
| 1,100.00                                | 1,090.92            | 1,003.08            | 996.92              | 5.73            | 33.43       | -88.63                | 1,343.56                          | -277.80    | 1,365.32             | 1,326.16              | 39.16                   | 34.862            |                    |         |
| 1,200.00                                | 1,188.56            | 1,105.44            | 1,094.56            | 6.15            | 36.99       | -89.52                | 1,343.56                          | -277.80    | 1,364.96             | 1,321.83              | 43.13                   | 31.646            |                    |         |
| 1,254.31                                | 1,241.58            | 1,147.58            | 1,147.58            | 6.38            | 38.46       | -90.00                | 1,343.56                          | -277.80    | 1,364.91             | 1,320.09              | 44.83                   | 30.449            |                    |         |
| 1,300.00                                | 1,286.19            | 1,207.81            | 1,192.19            | 6.57            | 40.55       | -90.40                | 1,343.56                          | -277.80    | 1,364.95             | 1,317.83              | 47.12                   | 28.969            |                    |         |
| 1,400.00                                | 1,383.83            | 1,289.83            | 1,289.83            | 7.01            | 43.41       | -91.29                | 1,343.56                          | -277.80    | 1,365.28             | 1,314.87              | 50.41                   | 27.085            |                    |         |
| 1,500.00                                | 1,481.47            | 1,387.47            | 1,387.47            | 7.46            | 46.81       | -92.18                | 1,343.56                          | -277.80    | 1,365.94             | 1,311.69              | 54.25                   | 25.178            |                    |         |
| 1,600.00                                | 1,579.10            | 1,485.10            | 1,485.10            | 7.91            | 50.21       | -93.06                | 1,343.56                          | -277.80    | 1,366.96             | 1,308.85              | 58.11                   | 23.526            |                    |         |
| 1,700.00                                | 1,676.74            | 1,582.74            | 1,582.74            | 8.37            | 53.61       | -93.94                | 1,343.56                          | -277.80    | 1,368.31             | 1,306.34              | 61.97                   | 22.082            |                    |         |
| 1,800.00                                | 1,774.38            | 1,680.38            | 1,680.38            | 8.84            | 57.01       | -94.82                | 1,343.56                          | -277.80    | 1,370.00             | 1,304.17              | 65.83                   | 20.811            |                    |         |
| 1,900.00                                | 1,872.02            | 1,778.02            | 1,778.02            | 9.31            | 60.41       | -95.70                | 1,343.56                          | -277.80    | 1,372.03             | 1,302.32              | 69.70                   | 19.684            |                    |         |
| 2,000.00                                | 1,969.65            | 1,875.65            | 1,875.65            | 9.79            | 63.82       | -96.58                | 1,343.56                          | -277.80    | 1,374.39             | 1,300.81              | 73.58                   | 18.680            |                    |         |
| 2,100.00                                | 2,067.29            | 1,973.29            | 1,973.29            | 10.27           | 67.22       | -97.45                | 1,343.56                          | -277.80    | 1,377.09             | 1,299.64              | 77.46                   | 17.779            |                    |         |
| 2,200.00                                | 2,164.93            | 2,070.93            | 2,070.93            | 10.75           | 70.63       | -98.32                | 1,343.56                          | -277.80    | 1,380.13             | 1,298.79              | 81.34                   | 16.968            |                    |         |
| 2,300.00                                | 2,262.56            | 2,168.56            | 2,168.56            | 11.24           | 74.03       | -99.18                | 1,343.56                          | -277.80    | 1,383.49             | 1,298.27              | 85.22                   | 16.235            |                    |         |
| 2,400.00                                | 2,360.20            | 2,266.20            | 2,266.20            | 11.73           | 77.44       | -100.04               | 1,343.56                          | -277.80    | 1,387.19             | 1,298.08              | 89.10                   | 15.568            |                    |         |
| 2,500.00                                | 2,457.84            | 2,363.84            | 2,363.84            | 12.22           | 80.84       | -100.90               | 1,343.56                          | -277.80    | 1,391.20             | 1,298.22              | 92.99                   | 14.961            |                    |         |
| 2,600.00                                | 2,555.48            | 2,461.48            | 2,461.48            | 12.71           | 84.25       | -101.75               | 1,343.56                          | -277.80    | 1,395.55             | 1,298.67              | 96.88                   | 14.406            |                    |         |
| 2,700.00                                | 2,653.11            | 2,559.11            | 2,559.11            | 13.20           | 87.65       | -102.60               | 1,343.56                          | -277.80    | 1,400.21             | 1,299.45              | 100.76                  | 13.896            |                    |         |
| 2,800.00                                | 2,750.75            | 2,656.75            | 2,656.75            | 13.70           | 91.06       | -103.44               | 1,343.56                          | -277.80    | 1,405.19             | 1,300.54              | 104.65                  | 13.427            |                    |         |
| 2,900.00                                | 2,848.39            | 2,754.39            | 2,754.39            | 14.19           | 94.47       | -104.27               | 1,343.56                          | -277.80    | 1,410.48             | 1,301.94              | 108.54                  | 12.995            |                    |         |
| 3,000.00                                | 2,946.02            | 2,852.02            | 2,852.02            | 14.69           | 97.87       | -105.10               | 1,343.56                          | -277.80    | 1,416.09             | 1,303.66              | 112.43                  | 12.595            |                    |         |
| 3,100.00                                | 3,043.66            | 2,949.66            | 2,949.66            | 15.19           | 101.28      | -105.92               | 1,343.56                          | -277.80    | 1,421.99             | 1,305.68              | 116.32                  | 12.225            |                    |         |
| 3,200.00                                | 3,141.30            | 3,047.30            | 3,047.30            | 15.69           | 104.69      | -106.74               | 1,343.56                          | -277.80    | 1,428.21             | 1,308.00              | 120.21                  | 11.881            |                    |         |
| 3,300.00                                | 3,238.94            | 3,144.94            | 3,144.94            | 16.19           | 108.09      | -107.55               | 1,343.56                          | -277.80    | 1,434.72             | 1,310.62              | 124.09                  | 11.562            |                    |         |
| 3,400.00                                | 3,336.57            | 3,242.57            | 3,242.57            | 16.69           | 111.50      | -108.35               | 1,343.56                          | -277.80    | 1,441.52             | 1,313.54              | 127.98                  | 11.263            |                    |         |
| 3,500.00                                | 3,434.21            | 3,340.21            | 3,340.21            | 17.19           | 114.91      | -109.14               | 1,343.56                          | -277.80    | 1,448.62             | 1,316.75              | 131.87                  | 10.985            |                    |         |
| 3,600.00                                | 3,531.85            | 3,437.85            | 3,437.85            | 17.69           | 118.32      | -109.93               | 1,343.56                          | -277.80    | 1,456.00             | 1,320.24              | 135.76                  | 10.725            |                    |         |
| 3,700.00                                | 3,629.48            | 3,535.48            | 3,535.48            | 18.20           | 121.72      | -110.71               | 1,343.56                          | -277.80    | 1,463.66             | 1,324.02              | 139.64                  | 10.481            |                    |         |
| 3,800.00                                | 3,727.12            | 3,633.12            | 3,633.12            | 18.70           | 125.13      | -111.48               | 1,343.56                          | -277.80    | 1,471.60             | 1,328.07              | 143.53                  | 10.253            |                    |         |
| 3,900.00                                | 3,824.76            | 3,730.76            | 3,730.76            | 19.21           | 128.54      | -112.24               | 1,343.56                          | -277.80    | 1,479.82             | 1,332.40              | 147.42                  | 10.038            |                    |         |
| 4,000.00                                | 3,922.40            | 3,828.40            | 3,828.40            | 19.71           | 131.94      | -113.00               | 1,343.56                          | -277.80    | 1,488.30             | 1,337.00              | 151.30                  | 9.837             |                    |         |
| 4,100.00                                | 4,020.03            | 3,926.03            | 3,926.03            | 20.21           | 135.35      | -113.74               | 1,343.56                          | -277.80    | 1,497.05             | 1,341.86              | 155.19                  | 9.647             |                    |         |
| 4,200.00                                | 4,117.67            | 4,023.67            | 4,023.67            | 20.72           | 138.76      | -114.48               | 1,343.56                          | -277.80    | 1,506.05             | 1,346.98              | 159.07                  | 9.468             |                    |         |
| 4,300.00                                | 4,215.31            | 4,121.31            | 4,121.31            | 21.23           | 142.17      | -115.21               | 1,343.56                          | -277.80    | 1,515.31             | 1,352.36              | 162.95                  | 9.299             |                    |         |
| 4,400.00                                | 4,312.94            | 4,218.94            | 4,218.94            | 21.73           | 145.58      | -115.93               | 1,343.56                          | -277.80    | 1,524.82             | 1,357.99              | 166.84                  | 9.140             |                    |         |
| 4,500.00                                | 4,410.58            | 4,316.58            | 4,316.58            | 22.24           | 148.98      | -116.64               | 1,343.56                          | -277.80    | 1,534.58             | 1,363.86              | 170.72                  | 8.989             |                    |         |
| 4,600.00                                | 4,508.22            | 4,414.22            | 4,414.22            | 22.75           | 152.39      | -117.35               | 1,343.56                          | -277.80    | 1,544.58             | 1,369.98              | 174.60                  | 8.846             |                    |         |
| 4,700.00                                | 4,605.86            | 4,511.86            | 4,511.86            | 23.25           | 155.80      | -118.04               | 1,343.56                          | -277.80    | 1,554.81             | 1,376.33              | 178.48                  | 8.711             |                    |         |
| 4,800.00                                | 4,703.49            | 4,609.49            | 4,609.49            | 23.76           | 159.21      | -118.73               | 1,343.56                          | -277.80    | 1,565.27             | 1,382.91              | 182.36                  | 8.583             |                    |         |
| 4,900.00                                | 4,801.13            | 4,707.13            | 4,707.13            | 24.27           | 162.61      | -119.40               | 1,343.56                          | -277.80    | 1,575.96             | 1,389.73              | 186.24                  | 8.462             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                                | 4,898.77            | 4,804.77            | 4,804.77            | 24.77           | 166.02      | -120.07               | 1,343.56                          | -277.80    | 1,586.88             | 1,396.76              | 190.12                  | 8.347             |                    |         |
| 5,100.00                                | 4,996.40            | 4,902.40            | 4,902.40            | 25.28           | 169.43      | -120.73               | 1,343.56                          | -277.80    | 1,598.01             | 1,404.01              | 193.99                  | 8.237             |                    |         |
| 5,200.00                                | 5,094.04            | 5,000.04            | 5,000.04            | 25.79           | 172.84      | -121.38               | 1,343.56                          | -277.80    | 1,609.35             | 1,411.48              | 197.87                  | 8.133             |                    |         |
| 5,300.00                                | 5,191.68            | 5,102.32            | 5,097.68            | 26.30           | 176.41      | -122.02               | 1,343.56                          | -277.80    | 1,620.90             | 1,418.99              | 201.91                  | 8.028             |                    |         |
| 5,400.00                                | 5,289.32            | 5,204.68            | 5,195.32            | 26.81           | 179.98      | -122.65               | 1,343.56                          | -277.80    | 1,632.66             | 1,426.71              | 205.95                  | 7.927             |                    |         |
| 5,500.00                                | 5,386.95            | 5,307.05            | 5,292.95            | 27.32           | 183.55      | -123.28               | 1,343.56                          | -277.80    | 1,644.62             | 1,434.63              | 209.99                  | 7.832             |                    |         |
| 5,600.00                                | 5,484.59            | 5,409.41            | 5,390.59            | 27.83           | 187.13      | -123.89               | 1,343.56                          | -277.80    | 1,656.77             | 1,442.74              | 214.03                  | 7.741             |                    |         |
| 5,700.00                                | 5,582.23            | 5,488.23            | 5,488.23            | 28.33           | 189.88      | -124.50               | 1,343.56                          | -277.80    | 1,669.12             | 1,451.87              | 217.25                  | 7.683             |                    |         |
| 5,800.00                                | 5,679.87            | 5,585.87            | 5,585.87            | 28.84           | 193.29      | -125.10               | 1,343.56                          | -277.80    | 1,681.65             | 1,460.52              | 221.12                  | 7.605             |                    |         |
| 5,900.00                                | 5,777.50            | 5,683.50            | 5,683.50            | 29.35           | 196.69      | -125.68               | 1,343.56                          | -277.80    | 1,694.36             | 1,469.37              | 225.00                  | 7.531             |                    |         |
| 6,000.00                                | 5,875.14            | 5,781.14            | 5,781.14            | 29.86           | 200.10      | -126.26               | 1,343.56                          | -277.80    | 1,707.25             | 1,478.39              | 228.87                  | 7.460             |                    |         |
| 6,100.00                                | 5,972.78            | 5,878.78            | 5,878.78            | 30.37           | 203.51      | -126.84               | 1,343.56                          | -277.80    | 1,720.32             | 1,487.58              | 232.74                  | 7.392             |                    |         |
| 6,200.00                                | 6,070.41            | 5,976.41            | 5,976.41            | 30.88           | 206.92      | -127.40               | 1,343.56                          | -277.80    | 1,733.56             | 1,496.95              | 236.61                  | 7.327             |                    |         |
| 6,300.00                                | 6,168.05            | 6,074.05            | 6,074.05            | 31.39           | 210.33      | -127.95               | 1,343.56                          | -277.80    | 1,746.97             | 1,506.48              | 240.48                  | 7.264             |                    |         |
| 6,400.00                                | 6,265.69            | 6,171.69            | 6,171.69            | 31.90           | 213.73      | -128.50               | 1,343.56                          | -277.80    | 1,760.53             | 1,516.18              | 244.35                  | 7.205             |                    |         |
| 6,439.09                                | 6,303.85            | 6,209.85            | 6,209.85            | 32.10           | 215.07      | -128.71               | 1,343.56                          | -277.80    | 1,765.88             | 1,520.01              | 245.87                  | 7.182             |                    |         |
| 6,450.00                                | 6,314.53            | 6,220.53            | 6,220.53            | 32.16           | 215.44      | -127.37               | 1,343.56                          | -277.80    | 1,767.30             | 1,521.01              | 246.29                  | 7.176             |                    |         |
| 6,500.00                                | 6,363.83            | 6,269.83            | 6,269.83            | 32.39           | 217.16      | -116.40               | 1,343.56                          | -277.80    | 1,771.83             | 1,523.60              | 248.23                  | 7.138             |                    |         |
| 6,550.00                                | 6,413.58            | 6,319.58            | 6,319.58            | 32.60           | 218.90      | -84.03                | 1,343.56                          | -277.80    | 1,773.09             | 1,522.92              | 250.17                  | 7.088             |                    |         |
| 6,600.00                                | 6,463.45            | 6,369.45            | 6,369.45            | 32.79           | 220.64      | -23.18                | 1,343.56                          | -277.80    | 1,771.06             | 1,518.96              | 252.10                  | 7.025             |                    |         |
| 6,650.00                                | 6,513.15            | 6,419.15            | 6,419.15            | 32.97           | 222.37      | 4.57                  | 1,343.56                          | -277.80    | 1,765.73             | 1,511.72              | 254.00                  | 6.952             |                    |         |
| 6,700.00                                | 6,562.37            | 6,468.37            | 6,468.37            | 33.15           | 224.09      | 15.05                 | 1,343.56                          | -277.80    | 1,757.13             | 1,501.25              | 255.88                  | 6.867             |                    |         |
| 6,750.00                                | 6,610.80            | 6,516.80            | 6,516.80            | 33.34           | 225.78      | 20.61                 | 1,343.56                          | -277.80    | 1,745.33             | 1,487.60              | 257.73                  | 6.772             |                    |         |
| 6,800.00                                | 6,658.14            | 6,564.14            | 6,564.14            | 33.53           | 227.43      | 24.39                 | 1,343.56                          | -277.80    | 1,730.42             | 1,470.88              | 259.53                  | 6.667             |                    |         |
| 6,850.00                                | 6,704.11            | 6,610.11            | 6,610.11            | 33.74           | 229.04      | 27.48                 | 1,343.56                          | -277.80    | 1,712.50             | 1,451.21              | 261.29                  | 6.554             |                    |         |
| 6,900.00                                | 6,748.42            | 6,654.42            | 6,654.42            | 33.97           | 230.58      | 30.34                 | 1,343.56                          | -277.80    | 1,691.71             | 1,428.73              | 262.99                  | 6.433             |                    |         |
| 6,950.00                                | 6,790.79            | 6,703.21            | 6,696.79            | 34.21           | 232.29      | 33.20                 | 1,343.56                          | -277.80    | 1,668.23             | 1,403.39              | 264.84                  | 6.299             |                    |         |
| 7,000.00                                | 6,830.97            | 6,736.97            | 6,736.97            | 34.48           | 233.47      | 36.24                 | 1,343.56                          | -277.80    | 1,642.25             | 1,376.07              | 266.18                  | 6.170             |                    |         |
| 7,050.00                                | 6,868.71            | 6,774.71            | 6,774.71            | 34.77           | 234.78      | 39.54                 | 1,343.56                          | -277.80    | 1,613.97             | 1,346.31              | 267.67                  | 6.030             |                    |         |
| 7,100.00                                | 6,903.77            | 6,809.77            | 6,809.77            | 35.09           | 236.01      | 43.20                 | 1,343.56                          | -277.80    | 1,583.65             | 1,314.57              | 269.07                  | 5.886             |                    |         |
| 7,150.00                                | 6,935.93            | 6,841.93            | 6,841.93            | 35.44           | 237.13      | 47.26                 | 1,343.56                          | -277.80    | 1,551.53             | 1,281.13              | 270.40                  | 5.738             |                    |         |
| 7,200.00                                | 6,965.01            | 6,871.01            | 6,871.01            | 35.83           | 238.14      | 51.74                 | 1,343.56                          | -277.80    | 1,517.91             | 1,246.27              | 271.65                  | 5.588             |                    |         |
| 7,250.00                                | 6,990.82            | 6,903.18            | 6,896.82            | 36.26           | 239.27      | 56.63                 | 1,343.56                          | -277.80    | 1,483.08             | 1,210.05              | 273.03                  | 5.432             |                    |         |
| 7,300.00                                | 7,013.20            | 6,919.20            | 6,919.20            | 36.72           | 239.83      | 61.87                 | 1,343.56                          | -277.80    | 1,447.36             | 1,173.47              | 273.89                  | 5.284             |                    |         |
| 7,350.00                                | 7,032.02            | 6,938.02            | 6,938.02            | 37.23           | 240.48      | 67.34                 | 1,343.56                          | -277.80    | 1,411.06             | 1,136.17              | 274.89                  | 5.133             |                    |         |
| 7,400.00                                | 7,047.15            | 6,953.15            | 6,953.15            | 37.77           | 241.01      | 72.89                 | 1,343.56                          | -277.80    | 1,374.54             | 1,098.73              | 275.81                  | 4.984             |                    |         |
| 7,450.00                                | 7,058.51            | 6,964.51            | 6,964.51            | 38.34           | 241.41      | 78.32                 | 1,343.56                          | -277.80    | 1,338.12             | 1,061.46              | 276.66                  | 4.837             |                    |         |
| 7,500.00                                | 7,066.02            | 6,972.02            | 6,972.02            | 38.95           | 241.67      | 83.46                 | 1,343.56                          | -277.80    | 1,302.16             | 1,024.73              | 277.43                  | 4.694             |                    |         |
| 7,550.00                                | 7,069.64            | 6,975.64            | 6,975.64            | 39.58           | 241.80      | 88.16                 | 1,343.56                          | -277.80    | 1,266.98             | 988.86                | 278.12                  | 4.555             |                    |         |
| 7,571.20                                | 7,070.00            | 6,976.00            | 6,976.00            | 39.85           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,252.39             | 973.99                | 278.40                  | 4.499             |                    |         |
| 7,600.00                                | 7,070.00            | 6,976.00            | 6,976.00            | 40.23           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,232.89             | 954.12                | 278.77                  | 4.423             |                    |         |
| 7,700.00                                | 7,070.01            | 6,976.01            | 6,976.01            | 41.64           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,168.17             | 887.92                | 280.25                  | 4.168             |                    |         |
| 7,800.00                                | 7,070.02            | 6,976.02            | 6,976.02            | 43.20           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,108.70             | 826.66                | 282.03                  | 3.931             |                    |         |
| 7,900.00                                | 7,070.03            | 6,976.03            | 6,976.03            | 44.89           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,055.38             | 771.25                | 284.13                  | 3.714             |                    |         |
| 8,000.00                                | 7,070.04            | 6,976.04            | 6,976.04            | 46.69           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,009.17             | 722.68                | 286.49                  | 3.523             |                    |         |
| 8,100.00                                | 7,070.05            | 6,976.05            | 6,976.05            | 48.60           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 971.09               | 682.05                | 289.05                  | 3.360             |                    |         |
| 8,200.00                                | 7,070.05            | 6,976.05            | 6,976.05            | 50.59           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 942.14               | 650.45                | 291.69                  | 3.230             |                    |         |
| 8,300.00                                | 7,070.06            | 6,976.06            | 6,976.06            | 52.66           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 923.16               | 628.90                | 294.26                  | 3.137             |                    |         |
| 8,400.00                                | 7,070.07            | 6,976.07            | 6,976.07            | 54.81           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 914.79               | 618.17                | 296.62                  | 3.084             |                    |         |
| 8,426.98                                | 7,070.07            | 6,976.07            | 6,976.07            | 55.41           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 914.39               | 617.18                | 297.21                  | 3.077 CC, ES      |                    |         |
| 8,500.00                                | 7,070.08            | 6,976.08            | 6,976.08            | 57.02           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 917.30               | 618.67                | 298.63                  | 3.072 SF          |                    |         |
| 8,600.00                                | 7,070.09            | 6,976.09            | 6,976.09            | 59.28           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 930.61               | 630.43                | 300.19                  | 3.100             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                                | 7,070.10            | 6,976.10            | 6,976.10            | 61.60           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 954.28               | 653.01                | 301.27                  | 3.168             |                    |         |
| 8,800.00                                | 7,070.11            | 6,976.11            | 6,976.11            | 63.95           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 987.55               | 685.66                | 301.89                  | 3.271             |                    |         |
| 8,900.00                                | 7,070.12            | 6,976.12            | 6,976.12            | 66.35           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,029.49             | 727.38                | 302.11                  | 3.408             |                    |         |
| 9,000.00                                | 7,070.13            | 6,976.13            | 6,976.13            | 68.79           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,079.10             | 777.08                | 302.02                  | 3.573             |                    |         |
| 9,100.00                                | 7,070.13            | 6,976.13            | 6,976.13            | 71.25           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,135.37             | 833.68                | 301.68                  | 3.763             |                    |         |
| 9,200.00                                | 7,070.14            | 6,976.14            | 6,976.14            | 73.74           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,197.36             | 896.17                | 301.19                  | 3.975             |                    |         |
| 9,300.00                                | 7,070.15            | 6,976.15            | 6,976.15            | 76.26           | 241.81      | 90.00                 | 1,343.56                          | -277.80    | 1,264.23             | 963.64                | 300.58                  | 4.206             |                    |         |
| 9,400.00                                | 7,070.16            | 6,976.16            | 6,976.16            | 78.80           | 241.81      | 90.01                 | 1,343.56                          | -277.80    | 1,335.24             | 1,035.32              | 299.92                  | 4.452             |                    |         |
| 9,500.00                                | 7,070.17            | 6,976.17            | 6,976.17            | 81.37           | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 1,409.78             | 1,110.54              | 299.24                  | 4.711             |                    |         |
| 9,600.00                                | 7,070.18            | 6,976.18            | 6,976.18            | 83.95           | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 1,487.31             | 1,188.76              | 298.55                  | 4.982             |                    |         |
| 9,700.00                                | 7,070.19            | 6,976.19            | 6,976.19            | 86.55           | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 1,567.38             | 1,269.50              | 297.88                  | 5.262             |                    |         |
| 9,800.00                                | 7,070.20            | 6,976.20            | 6,976.20            | 89.17           | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 1,649.63             | 1,352.40              | 297.23                  | 5.550             |                    |         |
| 9,900.00                                | 7,070.21            | 6,976.21            | 6,976.21            | 91.80           | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 1,733.75             | 1,437.14              | 296.61                  | 5.845             |                    |         |
| 10,000.00                               | 7,070.21            | 6,976.21            | 6,976.21            | 94.44           | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 1,819.48             | 1,523.45              | 296.02                  | 6.146             |                    |         |
| 10,100.00                               | 7,070.22            | 6,976.22            | 6,976.22            | 97.10           | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 1,906.59             | 1,611.12              | 295.47                  | 6.453             |                    |         |
| 10,200.00                               | 7,070.23            | 6,976.23            | 6,976.23            | 99.77           | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 1,994.92             | 1,699.97              | 294.95                  | 6.764             |                    |         |
| 10,300.00                               | 7,070.24            | 6,976.24            | 6,976.24            | 102.44          | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 2,084.30             | 1,789.83              | 294.47                  | 7.078             |                    |         |
| 10,400.00                               | 7,070.25            | 6,976.25            | 6,976.25            | 105.13          | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 2,174.60             | 1,880.59              | 294.01                  | 7.396             |                    |         |
| 10,500.00                               | 7,070.26            | 6,976.26            | 6,976.26            | 107.83          | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 2,265.72             | 1,972.13              | 293.59                  | 7.717             |                    |         |
| 10,600.00                               | 7,070.27            | 6,976.27            | 6,976.27            | 110.53          | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 2,357.56             | 2,064.37              | 293.20                  | 8.041             |                    |         |
| 10,700.00                               | 7,070.28            | 6,976.28            | 6,976.28            | 113.24          | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 2,450.04             | 2,157.21              | 292.83                  | 8.367             |                    |         |
| 10,800.00                               | 7,070.28            | 6,976.28            | 6,976.28            | 115.96          | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 2,543.09             | 2,250.61              | 292.49                  | 8.695             |                    |         |
| 10,900.00                               | 7,070.29            | 6,976.29            | 6,976.29            | 118.69          | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 2,636.65             | 2,344.48              | 292.17                  | 9.024             |                    |         |
| 11,000.00                               | 7,070.30            | 6,976.30            | 6,976.30            | 121.42          | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 2,730.66             | 2,438.80              | 291.87                  | 9.356             |                    |         |
| 11,100.00                               | 7,070.31            | 6,976.31            | 6,976.31            | 124.16          | 241.82      | 90.01                 | 1,343.56                          | -277.80    | 2,825.09             | 2,533.50              | 291.59                  | 9.689             |                    |         |
| 11,200.00                               | 7,070.32            | 6,976.32            | 6,976.32            | 126.90          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 2,919.89             | 2,628.56              | 291.33                  | 10.023            |                    |         |
| 11,300.00                               | 7,070.33            | 6,976.33            | 6,976.33            | 129.65          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,015.02             | 2,723.93              | 291.09                  | 10.358            |                    |         |
| 11,400.00                               | 7,070.34            | 6,976.34            | 6,976.34            | 132.40          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,110.46             | 2,819.60              | 290.86                  | 10.694            |                    |         |
| 11,500.00                               | 7,070.35            | 6,976.35            | 6,976.35            | 135.16          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,206.17             | 2,915.53              | 290.65                  | 11.031            |                    |         |
| 11,600.00                               | 7,070.36            | 6,976.36            | 6,976.36            | 137.92          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,302.14             | 3,011.69              | 290.45                  | 11.369            |                    |         |
| 11,700.00                               | 7,070.36            | 6,976.36            | 6,976.36            | 140.69          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,398.35             | 3,108.08              | 290.26                  | 11.708            |                    |         |
| 11,800.00                               | 7,070.37            | 6,976.37            | 6,976.37            | 143.46          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,494.76             | 3,204.67              | 290.09                  | 12.047            |                    |         |
| 11,900.00                               | 7,070.38            | 6,976.38            | 6,976.38            | 146.23          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,591.37             | 3,301.44              | 289.93                  | 12.387            |                    |         |
| 12,000.00                               | 7,070.39            | 6,976.39            | 6,976.39            | 149.01          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,688.17             | 3,398.39              | 289.78                  | 12.728            |                    |         |
| 12,100.00                               | 7,070.40            | 6,976.40            | 6,976.40            | 151.79          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,785.12             | 3,495.49              | 289.64                  | 13.069            |                    |         |
| 12,200.00                               | 7,070.41            | 6,976.41            | 6,976.41            | 154.57          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,882.24             | 3,592.73              | 289.50                  | 13.410            |                    |         |
| 12,300.00                               | 7,070.42            | 6,976.42            | 6,976.42            | 157.35          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 3,979.49             | 3,690.11              | 289.38                  | 13.752            |                    |         |
| 12,400.00                               | 7,070.43            | 6,976.43            | 6,976.43            | 160.14          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 4,076.88             | 3,787.62              | 289.27                  | 14.094            |                    |         |
| 12,500.00                               | 7,070.44            | 6,976.44            | 6,976.44            | 162.93          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 4,174.40             | 3,885.24              | 289.16                  | 14.436            |                    |         |
| 12,600.00                               | 7,070.44            | 6,976.44            | 6,976.44            | 165.72          | 241.82      | 90.02                 | 1,343.56                          | -277.80    | 4,272.02             | 3,982.96              | 289.06                  | 14.779            |                    |         |
| 12,700.00                               | 7,070.45            | 6,976.45            | 6,976.45            | 168.52          | 241.83      | 90.02                 | 1,343.56                          | -277.80    | 4,369.76             | 4,080.79              | 288.97                  | 15.122            |                    |         |
| 12,800.00                               | 7,070.46            | 6,976.46            | 6,976.46            | 171.32          | 241.83      | 90.02                 | 1,343.56                          | -277.80    | 4,467.59             | 4,178.71              | 288.88                  | 15.465            |                    |         |
| 12,900.00                               | 7,070.47            | 6,976.47            | 6,976.47            | 174.11          | 241.83      | 90.02                 | 1,343.56                          | -277.80    | 4,565.52             | 4,276.72              | 288.80                  | 15.809            |                    |         |
| 13,000.00                               | 7,070.48            | 6,976.48            | 6,976.48            | 176.92          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 4,663.54             | 4,374.81              | 288.72                  | 16.152            |                    |         |
| 13,100.00                               | 7,070.49            | 6,976.49            | 6,976.49            | 179.72          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 4,761.64             | 4,472.98              | 288.66                  | 16.496            |                    |         |
| 13,200.00                               | 7,070.50            | 6,976.50            | 6,976.50            | 182.52          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 4,859.82             | 4,571.22              | 288.59                  | 16.840            |                    |         |
| 13,300.00                               | 7,070.51            | 6,976.51            | 6,976.51            | 185.33          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 4,958.06             | 4,669.53              | 288.53                  | 17.184            |                    |         |
| 13,400.00                               | 7,070.52            | 6,976.52            | 6,976.52            | 188.14          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,056.38             | 4,767.90              | 288.48                  | 17.528            |                    |         |
| 13,500.00                               | 7,070.52            | 6,976.52            | 6,976.52            | 190.95          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,154.77             | 4,866.34              | 288.43                  | 17.872            |                    |         |
| 13,600.00                               | 7,070.53            | 6,976.53            | 6,976.53            | 193.76          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,253.21             | 4,964.82              | 288.39                  | 18.216            |                    |         |
| 13,700.00                               | 7,070.54            | 6,976.54            | 6,976.54            | 196.57          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,351.71             | 5,063.37              | 288.35                  | 18.560            |                    |         |
| 13,800.00                               | 7,070.55            | 6,976.55            | 6,976.55            | 199.38          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,450.27             | 5,161.96              | 288.31                  | 18.904            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                               | 7,070.56            | 6,976.56            | 6,976.56            | 202.20          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,548.88             | 5,260.60              | 288.28                  | 19.248            |                    |         |
| 14,000.00                               | 7,070.57            | 6,976.57            | 6,976.57            | 205.01          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,647.53             | 5,359.28              | 288.25                  | 19.593            |                    |         |
| 14,100.00                               | 7,070.58            | 6,976.58            | 6,976.58            | 207.83          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,746.24             | 5,458.01              | 288.22                  | 19.937            |                    |         |
| 14,200.00                               | 7,070.59            | 6,976.59            | 6,976.59            | 210.65          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,844.98             | 5,556.78              | 288.20                  | 20.281            |                    |         |
| 14,300.00                               | 7,070.60            | 6,976.60            | 6,976.60            | 213.47          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 5,943.77             | 5,655.59              | 288.18                  | 20.625            |                    |         |
| 14,400.00                               | 7,070.60            | 6,976.60            | 6,976.60            | 216.29          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 6,042.60             | 5,754.44              | 288.17                  | 20.969            |                    |         |
| 14,500.00                               | 7,070.61            | 6,976.61            | 6,976.61            | 219.11          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 6,141.47             | 5,853.32              | 288.15                  | 21.313            |                    |         |
| 14,600.00                               | 7,070.62            | 6,976.62            | 6,976.62            | 221.94          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 6,240.37             | 5,952.23              | 288.15                  | 21.657            |                    |         |
| 14,700.00                               | 7,070.63            | 6,976.63            | 6,976.63            | 224.76          | 241.83      | 90.03                 | 1,343.56                          | -277.80    | 6,339.31             | 6,051.17              | 288.14                  | 22.001            |                    |         |
| 14,800.00                               | 7,070.64            | 6,976.64            | 6,976.64            | 227.58          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 6,438.28             | 6,150.15              | 288.13                  | 22.345            |                    |         |
| 14,900.00                               | 7,070.65            | 6,976.65            | 6,976.65            | 230.41          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 6,537.28             | 6,249.15              | 288.13                  | 22.688            |                    |         |
| 15,000.00                               | 7,070.66            | 6,976.66            | 6,976.66            | 233.24          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 6,636.31             | 6,348.18              | 288.13                  | 23.032            |                    |         |
| 15,100.00                               | 7,070.67            | 6,976.67            | 6,976.67            | 236.06          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 6,735.37             | 6,447.24              | 288.14                  | 23.375            |                    |         |
| 15,200.00                               | 7,070.68            | 6,976.68            | 6,976.68            | 238.89          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 6,834.46             | 6,546.32              | 288.14                  | 23.719            |                    |         |
| 15,300.00                               | 7,070.68            | 6,976.68            | 6,976.68            | 241.72          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 6,933.58             | 6,645.42              | 288.15                  | 24.062            |                    |         |
| 15,400.00                               | 7,070.69            | 6,976.69            | 6,976.69            | 244.55          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 7,032.72             | 6,744.55              | 288.16                  | 24.405            |                    |         |
| 15,500.00                               | 7,070.70            | 6,976.70            | 6,976.70            | 247.38          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 7,131.88             | 6,843.70              | 288.18                  | 24.748            |                    |         |
| 15,600.00                               | 7,070.71            | 6,976.71            | 6,976.71            | 250.21          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 7,231.06             | 6,942.87              | 288.19                  | 25.091            |                    |         |
| 15,700.00                               | 7,070.72            | 6,976.72            | 6,976.72            | 253.04          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 7,330.27             | 7,042.06              | 288.21                  | 25.434            |                    |         |
| 15,800.00                               | 7,070.73            | 6,976.73            | 6,976.73            | 255.87          | 241.83      | 90.04                 | 1,343.56                          | -277.80    | 7,429.50             | 7,141.27              | 288.23                  | 25.776            |                    |         |
| 15,900.00                               | 7,070.74            | 6,976.74            | 6,976.74            | 258.71          | 241.84      | 90.04                 | 1,343.56                          | -277.80    | 7,528.75             | 7,240.50              | 288.25                  | 26.119            |                    |         |
| 16,000.00                               | 7,070.75            | 6,976.75            | 6,976.75            | 261.54          | 241.84      | 90.04                 | 1,343.56                          | -277.80    | 7,628.02             | 7,339.75              | 288.27                  | 26.461            |                    |         |
| 16,100.00                               | 7,070.76            | 6,976.76            | 6,976.76            | 264.37          | 241.84      | 90.04                 | 1,343.56                          | -277.80    | 7,727.31             | 7,439.01              | 288.30                  | 26.803            |                    |         |
| 16,200.00                               | 7,070.76            | 6,976.76            | 6,976.76            | 267.21          | 241.84      | 90.04                 | 1,343.56                          | -277.80    | 7,826.62             | 7,538.29              | 288.32                  | 27.145            |                    |         |
| 16,300.00                               | 7,070.77            | 6,976.77            | 6,976.77            | 270.04          | 241.84      | 90.04                 | 1,343.56                          | -277.80    | 7,925.94             | 7,637.59              | 288.35                  | 27.487            |                    |         |
| 16,400.00                               | 7,070.78            | 6,976.78            | 6,976.78            | 272.88          | 241.84      | 90.04                 | 1,343.56                          | -277.80    | 8,025.28             | 7,736.90              | 288.38                  | 27.828            |                    |         |
| 16,500.00                               | 7,070.79            | 6,976.79            | 6,976.79            | 275.71          | 241.84      | 90.04                 | 1,343.56                          | -277.80    | 8,124.64             | 7,836.22              | 288.42                  | 28.170            |                    |         |
| 16,600.00                               | 7,070.80            | 6,976.80            | 6,976.80            | 278.55          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 8,224.01             | 7,935.56              | 288.45                  | 28.511            |                    |         |
| 16,700.00                               | 7,070.81            | 6,976.81            | 6,976.81            | 281.39          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 8,323.40             | 8,034.91              | 288.48                  | 28.852            |                    |         |
| 16,800.00                               | 7,070.82            | 6,976.82            | 6,976.82            | 284.22          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 8,422.80             | 8,134.28              | 288.52                  | 29.193            |                    |         |
| 16,900.00                               | 7,070.83            | 6,976.83            | 6,976.83            | 287.06          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 8,522.21             | 8,233.65              | 288.56                  | 29.534            |                    |         |
| 17,000.00                               | 7,070.84            | 6,976.84            | 6,976.84            | 289.90          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 8,621.64             | 8,333.04              | 288.60                  | 29.874            |                    |         |
| 17,100.00                               | 7,070.84            | 6,976.84            | 6,976.84            | 292.74          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 8,721.09             | 8,432.44              | 288.64                  | 30.214            |                    |         |
| 17,200.00                               | 7,070.85            | 6,976.85            | 6,976.85            | 295.58          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 8,820.54             | 8,531.86              | 288.68                  | 30.554            |                    |         |
| 17,300.00                               | 7,070.86            | 6,976.86            | 6,976.86            | 298.42          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 8,920.01             | 8,631.28              | 288.73                  | 30.894            |                    |         |
| 17,400.00                               | 7,070.87            | 6,976.87            | 6,976.87            | 301.26          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,019.49             | 8,730.71              | 288.77                  | 31.234            |                    |         |
| 17,500.00                               | 7,070.88            | 6,976.88            | 6,976.88            | 304.10          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,118.98             | 8,830.16              | 288.82                  | 31.573            |                    |         |
| 17,600.00                               | 7,070.89            | 6,976.89            | 6,976.89            | 306.94          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,218.48             | 8,929.61              | 288.87                  | 31.912            |                    |         |
| 17,700.00                               | 7,070.90            | 6,976.90            | 6,976.90            | 309.78          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,317.99             | 9,029.07              | 288.92                  | 32.251            |                    |         |
| 17,800.00                               | 7,070.91            | 6,976.91            | 6,976.91            | 312.62          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,417.51             | 9,128.54              | 288.97                  | 32.590            |                    |         |
| 17,900.00                               | 7,070.92            | 6,976.92            | 6,976.92            | 315.46          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,517.05             | 9,228.02              | 289.02                  | 32.928            |                    |         |
| 18,000.00                               | 7,070.92            | 6,976.92            | 6,976.92            | 318.31          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,616.59             | 9,327.51              | 289.08                  | 33.266            |                    |         |
| 18,100.00                               | 7,070.93            | 6,976.93            | 6,976.93            | 321.15          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,716.14             | 9,427.01              | 289.13                  | 33.604            |                    |         |
| 18,200.00                               | 7,070.94            | 6,976.94            | 6,976.94            | 323.99          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,815.70             | 9,526.51              | 289.19                  | 33.942            |                    |         |
| 18,300.00                               | 7,070.95            | 6,976.95            | 6,976.95            | 326.83          | 241.84      | 90.05                 | 1,343.56                          | -277.80    | 9,915.27             | 9,626.02              | 289.25                  | 34.280            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -128.12               | -2,400.22                         | -3,059.09  | 3,888.35             |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 77.20               | 77.20               | 3.28            | 3.28        | -128.12               | -2,400.35                         | -3,059.10  | 3,888.42             | 3,881.85              | 6.57                    | 591.944           |                    |         |
| 200.00                      | 200.00              | 218.76              | 218.75              | 3.34            | 3.36        | -128.13               | -2,400.56                         | -3,058.40  | 3,888.13             | 3,881.43              | 6.70                    | 580.616           |                    |         |
| 300.00                      | 300.00              | 303.95              | 303.94              | 3.44            | 3.46        | -128.13               | -2,400.13                         | -3,058.02  | 3,887.47             | 3,880.57              | 6.90                    | 563.371           |                    |         |
| 312.05                      | 312.05              | 313.37              | 313.36              | 3.46            | 3.47        | 159.37                | -2,400.07                         | -3,058.02  | 3,887.44             | 3,880.52              | 6.93                    | 560.999           |                    |         |
| 400.00                      | 399.98              | 382.09              | 382.08              | 3.60            | 3.57        | 159.37                | -2,399.80                         | -3,058.10  | 3,888.93             | 3,881.75              | 7.18                    | 541.976           |                    |         |
| 500.00                      | 499.84              | 520.23              | 520.22              | 3.80            | 3.85        | 159.38                | -2,399.30                         | -3,057.71  | 3,893.36             | 3,885.71              | 7.65                    | 508.973           |                    |         |
| 600.00                      | 599.45              | 588.96              | 588.95              | 4.04            | 4.01        | 159.36                | -2,399.00                         | -3,057.52  | 3,901.03             | 3,892.98              | 8.05                    | 484.437           |                    |         |
| 700.00                      | 698.70              | 723.63              | 723.61              | 4.32            | 4.37        | 159.37                | -2,398.22                         | -3,057.04  | 3,911.78             | 3,903.10              | 8.69                    | 450.346           |                    |         |
| 800.00                      | 797.47              | 800.00              | 799.98              | 4.63            | 4.59        | 159.34                | -2,397.63                         | -3,056.90  | 3,925.80             | 3,916.59              | 9.22                    | 425.982           |                    |         |
| 900.00                      | 895.62              | 913.33              | 913.31              | 4.97            | 4.94        | 159.33                | -2,397.22                         | -3,056.45  | 3,943.19             | 3,933.28              | 9.90                    | 398.263           |                    |         |
| 924.00                      | 919.08              | 932.10              | 932.08              | 5.06            | 5.00        | 159.32                | -2,397.19                         | -3,056.31  | 3,947.80             | 3,937.75              | 10.05                   | 392.876           |                    |         |
| 1,000.00                    | 993.28              | 1,001.67            | 1,001.65            | 5.34            | 5.23        | 159.39                | -2,397.14                         | -3,055.81  | 3,962.75             | 3,952.20              | 10.54                   | 375.870           |                    |         |
| 1,100.00                    | 1,090.92            | 1,093.15            | 1,093.13            | 5.73            | 5.54        | 159.49                | -2,397.10                         | -3,055.28  | 3,982.56             | 3,971.34              | 11.22                   | 355.026           |                    |         |
| 1,200.00                    | 1,188.56            | 1,184.56            | 1,184.54            | 6.15            | 5.86        | 159.59                | -2,397.09                         | -3,054.90  | 4,002.54             | 3,990.63              | 11.92                   | 335.872           |                    |         |
| 1,300.00                    | 1,286.19            | 1,275.91            | 1,275.88            | 6.57            | 6.18        | 159.69                | -2,397.13                         | -3,054.68  | 4,022.69             | 4,010.06              | 12.64                   | 318.346           |                    |         |
| 1,400.00                    | 1,383.83            | 1,367.18            | 1,367.16            | 7.01            | 6.52        | 159.78                | -2,397.21                         | -3,054.61  | 4,043.01             | 4,029.64              | 13.37                   | 302.342           |                    |         |
| 1,500.00                    | 1,481.47            | 1,458.39            | 1,458.36            | 7.46            | 6.86        | 159.88                | -2,397.32                         | -3,054.68  | 4,063.49             | 4,049.37              | 14.12                   | 287.736           |                    |         |
| 1,600.00                    | 1,579.10            | 1,564.17            | 1,564.14            | 7.91            | 7.26        | 160.00                | -2,397.29                         | -3,054.97  | 4,084.05             | 4,069.11              | 14.94                   | 273.317           |                    |         |
| 1,700.00                    | 1,676.74            | 1,687.74            | 1,687.71            | 8.37            | 7.73        | 160.14                | -2,396.33                         | -3,055.26  | 4,104.15             | 4,088.30              | 15.85                   | 258.969           |                    |         |
| 1,800.00                    | 1,774.38            | 1,787.37            | 1,787.34            | 8.84            | 8.12        | 160.25                | -2,395.64                         | -3,054.96  | 4,123.89             | 4,107.22              | 16.67                   | 247.426           |                    |         |
| 1,900.00                    | 1,872.02            | 1,884.92            | 1,884.89            | 9.31            | 8.50        | 160.35                | -2,395.07                         | -3,054.60  | 4,143.65             | 4,126.16              | 17.49                   | 236.973           |                    |         |
| 2,000.00                    | 1,969.65            | 1,982.34            | 1,982.31            | 9.79            | 8.89        | 160.46                | -2,394.33                         | -3,054.37  | 4,163.43             | 4,145.12              | 18.31                   | 227.377           |                    |         |
| 2,100.00                    | 2,067.29            | 2,072.26            | 2,072.22            | 10.27           | 9.25        | 160.55                | -2,393.77                         | -3,054.15  | 4,183.30             | 4,164.19              | 19.11                   | 218.916           |                    |         |
| 2,200.00                    | 2,164.93            | 2,170.68            | 2,170.64            | 10.75           | 9.64        | 160.66                | -2,393.25                         | -3,054.01  | 4,203.32             | 4,183.37              | 19.95                   | 210.702           |                    |         |
| 2,300.00                    | 2,262.56            | 2,300.24            | 2,300.18            | 11.24           | 10.17       | 160.81                | -2,391.19                         | -3,054.28  | 4,223.03             | 4,202.10              | 20.93                   | 201.762           |                    |         |
| 2,400.00                    | 2,360.20            | 2,435.54            | 2,435.45            | 11.73           | 10.72       | 160.97                | -2,388.02                         | -3,053.63  | 4,241.72             | 4,219.78              | 21.94                   | 193.301           |                    |         |
| 2,500.00                    | 2,457.84            | 2,528.01            | 2,527.88            | 12.22           | 11.09       | 161.08                | -2,386.05                         | -3,052.67  | 4,260.15             | 4,237.37              | 22.77                   | 187.074           |                    |         |
| 2,600.00                    | 2,555.48            | 2,607.86            | 2,607.71            | 12.71           | 11.42       | 161.17                | -2,384.17                         | -3,052.31  | 4,278.92             | 4,255.38              | 23.55                   | 181.713           |                    |         |
| 2,700.00                    | 2,653.11            | 2,697.50            | 2,697.33            | 13.20           | 11.79       | 161.28                | -2,382.11                         | -3,052.20  | 4,298.01             | 4,273.64              | 24.37                   | 176.376           |                    |         |
| 2,800.00                    | 2,750.75            | 2,808.35            | 2,808.15            | 13.70           | 12.25       | 161.40                | -2,379.80                         | -3,051.82  | 4,317.06             | 4,291.77              | 25.29                   | 170.721           |                    |         |
| 2,900.00                    | 2,848.39            | 2,881.85            | 2,881.64            | 14.19           | 12.55       | 161.48                | -2,378.39                         | -3,051.63  | 4,336.28             | 4,310.24              | 26.04                   | 166.536           |                    |         |
| 3,000.00                    | 2,946.02            | 2,975.61            | 2,975.39            | 14.69           | 12.94       | 161.58                | -2,377.14                         | -3,051.38  | 4,355.85             | 4,328.97              | 26.88                   | 162.034           |                    |         |
| 3,100.00                    | 3,043.66            | 3,047.96            | 3,047.73            | 15.19           | 13.24       | 161.65                | -2,376.83                         | -3,050.88  | 4,375.64             | 4,348.01              | 27.63                   | 158.378           |                    |         |
| 3,200.00                    | 3,141.30            | 3,117.11            | 3,116.88            | 15.69           | 13.52       | 161.71                | -2,376.87                         | -3,050.85  | 4,396.17             | 4,367.81              | 28.36                   | 155.029           |                    |         |
| 3,300.00                    | 3,238.94            | 3,200.00            | 3,199.78            | 16.19           | 13.87       | 161.79                | -2,376.72                         | -3,051.21  | 4,417.01             | 4,387.86              | 29.15                   | 151.525           |                    |         |
| 3,400.00                    | 3,336.57            | 3,267.56            | 3,267.33            | 16.69           | 14.15       | 161.85                | -2,376.85                         | -3,051.75  | 4,438.38             | 4,408.51              | 29.87                   | 148.590           |                    |         |
| 3,500.00                    | 3,434.21            | 3,370.98            | 3,370.75            | 17.19           | 14.58       | 161.94                | -2,378.11                         | -3,052.67  | 4,460.38             | 4,429.62              | 30.76                   | 144.991           |                    |         |
| 3,600.00                    | 3,531.85            | 3,451.95            | 3,451.70            | 17.69           | 14.91       | 162.01                | -2,378.82                         | -3,053.27  | 4,482.09             | 4,450.54              | 31.55                   | 142.073           |                    |         |
| 3,700.00                    | 3,629.48            | 3,541.33            | 3,541.07            | 18.20           | 15.29       | 162.08                | -2,379.85                         | -3,054.51  | 4,504.43             | 4,472.06              | 32.37                   | 139.137           |                    |         |
| 3,800.00                    | 3,727.12            | 3,716.56            | 3,716.29            | 18.70           | 16.02       | 162.22                | -2,381.17                         | -3,055.30  | 4,525.84             | 4,492.22              | 33.62                   | 134.604           |                    |         |
| 3,900.00                    | 3,824.76            | 3,784.26            | 3,783.99            | 19.21           | 16.30       | 162.28                | -2,381.24                         | -3,055.60  | 4,546.83             | 4,512.49              | 34.35                   | 132.375           |                    |         |
| 4,000.00                    | 3,922.40            | 3,886.98            | 3,886.71            | 19.71           | 16.73       | 162.37                | -2,381.61                         | -3,056.08  | 4,568.05             | 4,532.80              | 35.25                   | 129.608           |                    |         |
| 4,100.00                    | 4,020.03            | 3,996.42            | 3,996.15            | 20.21           | 17.19       | 162.46                | -2,381.96                         | -3,056.30  | 4,589.03             | 4,552.85              | 36.18                   | 126.852           |                    |         |
| 4,200.00                    | 4,117.67            | 4,106.00            | 4,105.73            | 20.72           | 17.65       | 162.55                | -2,382.25                         | -3,056.21  | 4,609.77             | 4,572.66              | 37.11                   | 124.221           |                    |         |
| 4,300.00                    | 4,215.31            | 4,215.71            | 4,215.44            | 21.23           | 18.11       | 162.63                | -2,382.49                         | -3,055.81  | 4,630.26             | 4,592.21              | 38.04                   | 121.708           |                    |         |
| 4,400.00                    | 4,312.94            | 4,325.56            | 4,325.28            | 21.73           | 18.57       | 162.71                | -2,382.67                         | -3,055.11  | 4,650.50             | 4,611.52              | 38.98                   | 119.305           |                    |         |
| 4,500.00                    | 4,410.58            | 4,435.54            | 4,435.26            | 22.24           | 19.03       | 162.79                | -2,382.79                         | -3,054.09  | 4,670.50             | 4,630.58              | 39.92                   | 117.003           |                    |         |
| 4,600.00                    | 4,508.22            | 4,500.00            | 4,499.72            | 22.75           | 19.30       | 162.84                | -2,382.76                         | -3,053.99  | 4,690.93             | 4,650.30              | 40.63                   | 115.456           |                    |         |
| 4,700.00                    | 4,605.86            | 4,700.00            | 4,608.80            | 23.25           | 20.15       | 162.93                | -2,382.59                         | -3,053.64  | 4,711.26             | 4,669.31              | 41.95                   | 112.313           |                    |         |
| 4,800.00                    | 4,703.49            | 4,667.36            | 4,667.08            | 23.76           | 20.01       | 162.98                | -2,382.54                         | -3,053.62  | 4,731.94             | 4,689.69              | 42.24                   | 112.020           |                    |         |
| 4,900.00                    | 4,801.13            | 4,768.93            | 4,768.65            | 24.27           | 20.44       | 163.06                | -2,382.52                         | -3,054.52  | 4,753.37             | 4,710.23              | 43.14                   | 110.187           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                    | 4,898.77            | 4,869.44            | 4,869.14            | 24.77           | 20.86       | 163.15                | -2,381.80                         | -3,055.28  | 4,774.30             | 4,730.27              | 44.03                   | 108.430           |                    |         |
| 5,100.00                    | 4,996.40            | 4,996.04            | 4,995.73            | 25.28           | 21.40       | 163.27                | -2,380.57                         | -3,056.33  | 4,795.21             | 4,750.16              | 45.06                   | 106.424           |                    |         |
| 5,200.00                    | 5,094.04            | 5,062.03            | 5,061.72            | 25.79           | 21.67       | 163.32                | -2,380.30                         | -3,056.52  | 4,815.98             | 4,770.20              | 45.77                   | 105.212           |                    |         |
| 5,300.00                    | 5,191.68            | 5,172.13            | 5,171.82            | 26.30           | 22.14       | 163.41                | -2,380.08                         | -3,057.34  | 4,837.25             | 4,790.53              | 46.72                   | 103.543           |                    |         |
| 5,400.00                    | 5,289.32            | 5,260.63            | 5,260.32            | 26.81           | 22.51       | 163.48                | -2,379.88                         | -3,057.54  | 4,858.07             | 4,810.52              | 47.55                   | 102.170           |                    |         |
| 5,500.00                    | 5,386.95            | 5,399.47            | 5,399.15            | 27.32           | 23.10       | 163.60                | -2,378.95                         | -3,058.40  | 4,879.09             | 4,830.45              | 48.64                   | 100.307           |                    |         |
| 5,600.00                    | 5,484.59            | 5,476.22            | 5,475.90            | 27.83           | 23.43       | 163.66                | -2,378.12                         | -3,058.65  | 4,899.55             | 4,850.13              | 49.41                   | 99.153            |                    |         |
| 5,700.00                    | 5,582.23            | 5,571.60            | 5,571.26            | 28.33           | 23.83       | 163.75                | -2,376.77                         | -3,059.52  | 4,920.30             | 4,870.02              | 50.28                   | 97.853            |                    |         |
| 5,800.00                    | 5,679.87            | 5,653.48            | 5,653.14            | 28.84           | 24.18       | 163.83                | -2,375.61                         | -3,060.31  | 4,941.13             | 4,890.05              | 51.08                   | 96.733            |                    |         |
| 5,900.00                    | 5,777.50            | 5,756.83            | 5,756.48            | 29.35           | 24.62       | 163.92                | -2,374.67                         | -3,061.39  | 4,962.31             | 4,910.32              | 51.99                   | 95.446            |                    |         |
| 6,000.00                    | 5,875.14            | 5,886.46            | 5,886.09            | 29.86           | 25.17       | 164.03                | -2,372.99                         | -3,062.13  | 4,982.87             | 4,929.83              | 53.04                   | 93.947            |                    |         |
| 6,100.00                    | 5,972.78            | 5,977.75            | 5,977.37            | 30.37           | 25.55       | 164.10                | -2,372.10                         | -3,062.20  | 5,003.22             | 4,949.34              | 53.89                   | 92.845            |                    |         |
| 6,200.00                    | 6,070.41            | 6,069.26            | 6,068.88            | 30.88           | 25.94       | 164.18                | -2,371.21                         | -3,062.45  | 5,023.75             | 4,969.02              | 54.74                   | 91.780            |                    |         |
| 6,300.00                    | 6,168.05            | 6,202.08            | 6,201.70            | 31.39           | 26.51       | 164.27                | -2,370.80                         | -3,061.92  | 5,044.13             | 4,988.32              | 55.80                   | 90.390            |                    |         |
| 6,400.00                    | 6,265.69            | 6,259.70            | 6,259.32            | 31.90           | 26.75       | 164.31                | -2,370.44                         | -3,061.79  | 5,064.44             | 5,007.97              | 56.48                   | 89.675            |                    |         |
| 6,439.09                    | 6,303.85            | 6,282.66            | 6,282.28            | 32.10           | 26.85       | 164.33                | -2,370.33                         | -3,061.87  | 5,072.59             | 5,015.85              | 56.74                   | 89.402            |                    |         |
| 6,450.00                    | 6,314.53            | 6,300.00            | 6,299.61            | 32.16           | 26.92       | 165.92                | -2,370.24                         | -3,061.97  | 5,074.83             | 5,017.96              | 56.87                   | 89.235            |                    |         |
| 6,500.00                    | 6,363.83            | 6,365.80            | 6,365.42            | 32.39           | 27.20       | 177.76                | -2,369.85                         | -3,062.26  | 5,082.98             | 5,025.59              | 57.39                   | 88.567            |                    |         |
| 6,550.00                    | 6,413.58            | 6,421.53            | 6,421.14            | 32.60           | 27.44       | -149.44               | -2,369.39                         | -3,062.22  | 5,087.56             | 5,029.71              | 57.84                   | 87.952            |                    |         |
| 6,600.00                    | 6,463.45            | 6,453.48            | 6,453.09            | 32.79           | 27.57       | -88.55                | -2,369.22                         | -3,062.23  | 5,088.98             | 5,030.83              | 58.16                   | 87.506            |                    |         |
| 6,650.00                    | 6,513.15            | 6,485.31            | 6,484.92            | 32.97           | 27.71       | -61.16                | -2,369.17                         | -3,062.30  | 5,087.29             | 5,028.84              | 58.45                   | 87.037            |                    |         |
| 6,700.00                    | 6,562.37            | 6,545.13            | 6,544.74            | 33.15           | 27.96       | -51.50                | -2,369.19                         | -3,062.49  | 5,082.40             | 5,023.52              | 58.88                   | 86.313            |                    |         |
| 6,750.00                    | 6,610.80            | 6,610.84            | 6,610.45            | 33.34           | 28.24       | -47.24                | -2,369.04                         | -3,062.44  | 5,074.03             | 5,014.69              | 59.34                   | 85.510            |                    |         |
| 6,800.00                    | 6,658.14            | 6,642.05            | 6,641.66            | 33.53           | 28.37       | -45.13                | -2,369.03                         | -3,062.41  | 5,062.52             | 5,002.92              | 59.60                   | 84.941            |                    |         |
| 6,850.00                    | 6,704.11            | 6,741.86            | 6,657.75            | 33.74           | 28.80       | -44.16                | -2,368.96                         | -3,062.37  | 5,048.01             | 4,987.88              | 60.13                   | 83.954            |                    |         |
| 6,900.00                    | 6,748.42            | 6,702.48            | 6,702.09            | 33.97           | 28.63       | -44.06                | -2,369.31                         | -3,062.49  | 5,030.75             | 4,970.66              | 60.09                   | 83.716            |                    |         |
| 6,950.00                    | 6,790.79            | 6,744.89            | 6,744.50            | 34.21           | 28.81       | -44.55                | -2,369.64                         | -3,062.59  | 5,010.62             | 4,950.22              | 60.40                   | 82.957            |                    |         |
| 7,000.00                    | 6,830.97            | 6,785.13            | 6,784.73            | 34.48           | 28.98       | -45.54                | -2,369.95                         | -3,062.70  | 4,987.75             | 4,927.05              | 60.70                   | 82.176            |                    |         |
| 7,050.00                    | 6,868.71            | 6,822.92            | 6,822.53            | 34.77           | 29.14       | -46.98                | -2,370.25                         | -3,062.79  | 4,962.30             | 4,901.32              | 60.98                   | 81.373            |                    |         |
| 7,100.00                    | 6,903.77            | 6,858.05            | 6,857.66            | 35.09           | 29.29       | -48.87                | -2,370.52                         | -3,062.88  | 4,934.46             | 4,873.20              | 61.26                   | 80.548            |                    |         |
| 7,150.00                    | 6,935.93            | 6,890.30            | 6,889.91            | 35.44           | 29.43       | -51.21                | -2,370.77                         | -3,062.96  | 4,904.42             | 4,842.88              | 61.54                   | 79.700            |                    |         |
| 7,200.00                    | 6,965.01            | 6,919.47            | 6,919.07            | 35.83           | 29.55       | -54.03                | -2,371.00                         | -3,063.04  | 4,872.37             | 4,810.56              | 61.81                   | 78.829            |                    |         |
| 7,250.00                    | 6,990.82            | 6,945.37            | 6,944.97            | 36.26           | 29.66       | -57.34                | -2,371.20                         | -3,063.10  | 4,838.54             | 4,776.46              | 62.08                   | 77.934            |                    |         |
| 7,300.00                    | 7,013.20            | 6,967.86            | 6,967.46            | 36.72           | 29.75       | -61.15                | -2,371.38                         | -3,063.16  | 4,803.16             | 4,740.79              | 62.36                   | 77.017            |                    |         |
| 7,350.00                    | 7,032.02            | 6,986.78            | 6,986.38            | 37.23           | 29.83       | -65.48                | -2,371.52                         | -3,063.21  | 4,766.45             | 4,703.80              | 62.65                   | 76.079            |                    |         |
| 7,400.00                    | 7,047.15            | 7,002.03            | 7,001.63            | 37.77           | 29.90       | -70.29                | -2,371.64                         | -3,063.25  | 4,728.66             | 4,665.72              | 62.95                   | 75.122            |                    |         |
| 7,450.00                    | 7,058.51            | 7,013.50            | 7,013.10            | 38.34           | 29.95       | -75.53                | -2,371.73                         | -3,063.28  | 4,690.04             | 4,626.79              | 63.25                   | 74.150            |                    |         |
| 7,500.00                    | 7,066.02            | 7,021.14            | 7,020.73            | 38.95           | 29.98       | -81.10                | -2,371.79                         | -3,063.30  | 4,650.84             | 4,587.28              | 63.56                   | 73.167            |                    |         |
| 7,550.00                    | 7,069.64            | 7,024.88            | 7,024.48            | 39.58           | 30.00       | -86.88                | -2,371.82                         | -3,063.31  | 4,611.30             | 4,547.41              | 63.89                   | 72.178            |                    |         |
| 7,571.20                    | 7,070.00            | 7,025.29            | 7,024.89            | 39.85           | 30.00       | -89.36                | -2,371.83                         | -3,063.31  | 4,594.50             | 4,530.47              | 64.03                   | 71.758            |                    |         |
| 7,600.00                    | 7,070.00            | 7,025.37            | 7,024.96            | 40.23           | 30.00       | -89.36                | -2,371.83                         | -3,063.31  | 4,571.69             | 4,507.47              | 64.22                   | 71.186            |                    |         |
| 7,700.00                    | 7,070.01            | 7,025.63            | 7,025.23            | 41.64           | 30.00       | -89.36                | -2,371.83                         | -3,063.31  | 4,493.07             | 4,428.09              | 64.98                   | 69.147            |                    |         |
| 7,800.00                    | 7,070.02            | 7,025.89            | 7,025.49            | 43.20           | 30.00       | -89.37                | -2,371.83                         | -3,063.31  | 4,415.30             | 4,349.44              | 65.86                   | 67.040            |                    |         |
| 7,900.00                    | 7,070.03            | 7,026.16            | 7,025.75            | 44.89           | 30.00       | -89.37                | -2,371.83                         | -3,063.31  | 4,338.45             | 4,271.58              | 66.87                   | 64.876            |                    |         |
| 8,000.00                    | 7,070.04            | 7,026.42            | 7,026.02            | 46.69           | 30.00       | -89.38                | -2,371.83                         | -3,063.31  | 4,262.56             | 4,194.54              | 68.02                   | 62.668            |                    |         |
| 8,100.00                    | 7,070.05            | 7,026.68            | 7,026.28            | 48.60           | 30.00       | -89.39                | -2,371.84                         | -3,063.31  | 4,187.68             | 4,118.38              | 69.30                   | 60.430            |                    |         |
| 8,200.00                    | 7,070.05            | 7,026.95            | 7,026.54            | 50.59           | 30.00       | -89.39                | -2,371.84                         | -3,063.31  | 4,113.87             | 4,043.16              | 70.71                   | 58.178            |                    |         |
| 8,300.00                    | 7,070.06            | 7,027.21            | 7,026.81            | 52.66           | 30.01       | -89.40                | -2,371.84                         | -3,063.31  | 4,041.18             | 3,968.92              | 72.26                   | 55.924            |                    |         |
| 8,400.00                    | 7,070.07            | 7,027.47            | 7,027.07            | 54.81           | 30.01       | -89.40                | -2,371.84                         | -3,063.31  | 3,969.69             | 3,895.74              | 73.95                   | 53.682            |                    |         |
| 8,500.00                    | 7,070.08            | 7,027.74            | 7,027.33            | 57.02           | 30.01       | -89.41                | -2,371.84                         | -3,063.31  | 3,899.44             | 3,823.68              | 75.77                   | 51.465            |                    |         |
| 8,600.00                    | 7,070.09            | 7,028.00            | 7,027.60            | 59.28           | 30.01       | -89.41                | -2,371.85                         | -3,063.32  | 3,830.52             | 3,752.80              | 77.72                   | 49.284            |                    |         |
| 8,700.00                    | 7,070.10            | 7,028.26            | 7,027.86            | 61.60           | 30.01       | -89.42                | -2,371.85                         | -3,063.32  | 3,763.00             | 3,683.19              | 79.81                   | 47.150            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                    | 7,070.11            | 7,028.53            | 7,028.13            | 63.95           | 30.01       | -89.42                | -2,371.85                         | -3,063.32  | 3,696.95             | 3,614.92              | 82.03                   | 45.070            |                    |         |
| 8,900.00                    | 7,070.12            | 7,028.79            | 7,028.39            | 66.35           | 30.01       | -89.43                | -2,371.85                         | -3,063.32  | 3,632.45             | 3,548.08              | 84.37                   | 43.053            |                    |         |
| 9,000.00                    | 7,070.13            | 7,029.06            | 7,028.65            | 68.79           | 30.01       | -89.43                | -2,371.85                         | -3,063.32  | 3,569.58             | 3,482.74              | 86.84                   | 41.106            |                    |         |
| 9,100.00                    | 7,070.13            | 7,029.32            | 7,028.92            | 71.25           | 30.01       | -89.44                | -2,371.86                         | -3,063.32  | 3,508.44             | 3,419.01              | 89.43                   | 39.231            |                    |         |
| 9,200.00                    | 7,070.14            | 7,029.58            | 7,029.18            | 73.74           | 30.02       | -89.44                | -2,371.86                         | -3,063.32  | 3,449.12             | 3,356.98              | 92.14                   | 37.435            |                    |         |
| 9,300.00                    | 7,070.15            | 7,029.85            | 7,029.44            | 76.26           | 30.02       | -89.45                | -2,371.86                         | -3,063.32  | 3,391.71             | 3,296.75              | 94.96                   | 35.719            |                    |         |
| 9,400.00                    | 7,070.16            | 7,030.11            | 7,029.71            | 78.80           | 30.02       | -89.46                | -2,371.86                         | -3,063.32  | 3,336.30             | 3,238.42              | 97.88                   | 34.085            |                    |         |
| 9,500.00                    | 7,070.17            | 7,030.37            | 7,029.97            | 81.37           | 30.02       | -89.46                | -2,371.86                         | -3,063.32  | 3,283.01             | 3,182.10              | 100.91                  | 32.534            |                    |         |
| 9,600.00                    | 7,070.18            | 7,030.64            | 7,030.23            | 83.95           | 30.02       | -89.47                | -2,371.87                         | -3,063.32  | 3,231.94             | 3,127.91              | 104.03                  | 31.068            |                    |         |
| 9,700.00                    | 7,070.19            | 7,030.90            | 7,030.50            | 86.55           | 30.02       | -89.47                | -2,371.87                         | -3,063.32  | 3,183.19             | 3,075.95              | 107.24                  | 29.684            |                    |         |
| 9,800.00                    | 7,070.20            | 7,031.16            | 7,030.76            | 89.17           | 30.02       | -89.48                | -2,371.87                         | -3,063.32  | 3,136.87             | 3,026.35              | 110.52                  | 28.383            |                    |         |
| 9,900.00                    | 7,070.21            | 7,031.43            | 7,031.02            | 91.80           | 30.02       | -89.48                | -2,371.87                         | -3,063.32  | 3,093.08             | 2,979.22              | 113.87                  | 27.164            |                    |         |
| 10,000.00                   | 7,070.21            | 7,031.69            | 7,031.29            | 94.44           | 30.02       | -89.49                | -2,371.88                         | -3,063.32  | 3,051.95             | 2,934.69              | 117.27                  | 26.026            |                    |         |
| 10,100.00                   | 7,070.22            | 7,031.95            | 7,031.55            | 97.10           | 30.03       | -89.49                | -2,371.88                         | -3,063.33  | 3,013.58             | 2,892.87              | 120.71                  | 24.965            |                    |         |
| 10,200.00                   | 7,070.23            | 7,032.22            | 7,031.81            | 99.77           | 30.03       | -89.50                | -2,371.88                         | -3,063.33  | 2,978.07             | 2,853.89              | 124.18                  | 23.981            |                    |         |
| 10,300.00                   | 7,070.24            | 7,032.48            | 7,032.08            | 102.44          | 30.03       | -89.50                | -2,371.88                         | -3,063.33  | 2,945.53             | 2,817.87              | 127.67                  | 23.072            |                    |         |
| 10,400.00                   | 7,070.25            | 7,032.74            | 7,032.34            | 105.13          | 30.03       | -89.51                | -2,371.88                         | -3,063.33  | 2,916.06             | 2,784.91              | 131.15                  | 22.234            |                    |         |
| 10,500.00                   | 7,070.26            | 7,033.01            | 7,032.61            | 107.83          | 30.03       | -89.51                | -2,371.89                         | -3,063.33  | 2,889.75             | 2,755.14              | 134.62                  | 21.467            |                    |         |
| 10,600.00                   | 7,070.27            | 7,033.27            | 7,032.87            | 110.53          | 30.03       | -89.52                | -2,371.89                         | -3,063.33  | 2,866.69             | 2,728.65              | 138.04                  | 20.767            |                    |         |
| 10,700.00                   | 7,070.28            | 7,033.54            | 7,033.13            | 113.24          | 30.03       | -89.53                | -2,371.89                         | -3,063.33  | 2,846.96             | 2,705.54              | 141.42                  | 20.131            |                    |         |
| 10,800.00                   | 7,070.28            | 7,033.80            | 7,033.40            | 115.96          | 30.03       | -89.53                | -2,371.89                         | -3,063.33  | 2,830.62             | 2,685.90              | 144.72                  | 19.559            |                    |         |
| 10,900.00                   | 7,070.29            | 7,034.06            | 7,033.66            | 118.69          | 30.03       | -89.54                | -2,371.89                         | -3,063.33  | 2,817.74             | 2,669.80              | 147.94                  | 19.046            |                    |         |
| 11,000.00                   | 7,070.30            | 7,034.33            | 7,033.92            | 121.42          | 30.04       | -89.54                | -2,371.90                         | -3,063.33  | 2,808.36             | 2,657.31              | 151.05                  | 18.592            |                    |         |
| 11,100.00                   | 7,070.31            | 7,034.59            | 7,034.19            | 124.16          | 30.04       | -89.55                | -2,371.90                         | -3,063.33  | 2,802.53             | 2,648.48              | 154.05                  | 18.192            |                    |         |
| 11,200.00                   | 7,070.32            | 7,034.85            | 7,034.45            | 126.90          | 30.04       | -89.55                | -2,371.90                         | -3,063.33  | 2,800.25             | 2,643.34              | 156.91                  | 17.846            |                    |         |
| 11,213.76                   | 7,070.32            | 7,034.89            | 7,034.49            | 127.28          | 30.04       | -89.55                | -2,371.90                         | -3,063.33  | 2,800.22             | 2,642.92              | 157.29                  | 17.803 CC         |                    |         |
| 11,300.00                   | 7,070.33            | 7,035.12            | 7,034.71            | 129.65          | 30.04       | -89.56                | -2,371.90                         | -3,063.33  | 2,801.55             | 2,641.92              | 159.63                  | 17.551 ES         |                    |         |
| 11,400.00                   | 7,070.34            | 7,035.38            | 7,034.98            | 132.40          | 30.04       | -89.56                | -2,371.90                         | -3,063.33  | 2,806.40             | 2,644.22              | 162.18                  | 17.304            |                    |         |
| 11,500.00                   | 7,070.35            | 7,035.64            | 7,035.24            | 135.16          | 30.04       | -89.57                | -2,371.91                         | -3,063.33  | 2,814.81             | 2,650.23              | 164.58                  | 17.103            |                    |         |
| 11,600.00                   | 7,070.36            | 7,035.91            | 7,035.50            | 137.92          | 30.04       | -89.57                | -2,371.91                         | -3,063.34  | 2,826.73             | 2,659.93              | 166.80                  | 16.947            |                    |         |
| 11,700.00                   | 7,070.36            | 7,036.17            | 7,035.77            | 140.69          | 30.04       | -89.58                | -2,371.91                         | -3,063.34  | 2,842.12             | 2,673.27              | 168.85                  | 16.833            |                    |         |
| 11,800.00                   | 7,070.37            | 7,036.43            | 7,036.03            | 143.46          | 30.04       | -89.58                | -2,371.91                         | -3,063.34  | 2,860.93             | 2,690.21              | 170.71                  | 16.759            |                    |         |
| 11,900.00                   | 7,070.38            | 7,036.70            | 7,036.29            | 146.23          | 30.05       | -89.59                | -2,371.91                         | -3,063.34  | 2,883.08             | 2,710.68              | 172.40                  | 16.723 SF         |                    |         |
| 12,000.00                   | 7,070.39            | 7,036.96            | 7,036.56            | 149.01          | 30.05       | -89.60                | -2,371.92                         | -3,063.34  | 2,908.50             | 2,734.60              | 173.91                  | 16.725            |                    |         |
| 12,100.00                   | 7,070.40            | 7,037.22            | 7,036.82            | 151.79          | 30.05       | -89.60                | -2,371.92                         | -3,063.34  | 2,937.11             | 2,761.87              | 175.24                  | 16.761            |                    |         |
| 12,200.00                   | 7,070.41            | 7,037.49            | 7,037.09            | 154.57          | 30.05       | -89.61                | -2,371.92                         | -3,063.34  | 2,968.82             | 2,792.41              | 176.40                  | 16.830            |                    |         |
| 12,300.00                   | 7,070.42            | 7,037.75            | 7,037.35            | 157.35          | 30.05       | -89.61                | -2,371.92                         | -3,063.34  | 3,003.52             | 2,826.11              | 177.40                  | 16.930            |                    |         |
| 12,400.00                   | 7,070.43            | 7,038.02            | 7,037.61            | 160.14          | 30.05       | -89.62                | -2,371.92                         | -3,063.34  | 3,041.11             | 2,862.86              | 178.25                  | 17.061            |                    |         |
| 12,500.00                   | 7,070.44            | 7,038.28            | 7,037.88            | 162.93          | 30.05       | -89.62                | -2,371.93                         | -3,063.34  | 3,081.50             | 2,902.55              | 178.95                  | 17.220            |                    |         |
| 12,600.00                   | 7,070.44            | 7,038.54            | 7,038.14            | 165.72          | 30.05       | -89.63                | -2,371.93                         | -3,063.34  | 3,124.56             | 2,945.06              | 179.50                  | 17.407            |                    |         |
| 12,700.00                   | 7,070.45            | 7,038.81            | 7,038.40            | 168.52          | 30.05       | -89.63                | -2,371.93                         | -3,063.34  | 3,170.19             | 2,990.26              | 179.93                  | 17.619            |                    |         |
| 12,800.00                   | 7,070.46            | 7,039.07            | 7,038.67            | 171.32          | 30.06       | -89.64                | -2,371.93                         | -3,063.34  | 3,218.28             | 3,038.05              | 180.23                  | 17.856            |                    |         |
| 12,900.00                   | 7,070.47            | 7,039.33            | 7,038.93            | 174.11          | 30.06       | -89.64                | -2,371.93                         | -3,063.34  | 3,268.73             | 3,088.30              | 180.43                  | 18.116            |                    |         |
| 13,000.00                   | 7,070.48            | 7,039.60            | 7,039.19            | 176.92          | 30.06       | -89.65                | -2,371.94                         | -3,063.34  | 3,321.42             | 3,140.90              | 180.52                  | 18.399            |                    |         |
| 13,100.00                   | 7,070.49            | 7,039.86            | 7,039.46            | 179.72          | 30.06       | -89.65                | -2,371.94                         | -3,063.35  | 3,376.25             | 3,195.73              | 180.52                  | 18.703            |                    |         |
| 13,200.00                   | 7,070.50            | 7,040.12            | 7,039.72            | 182.52          | 30.06       | -89.66                | -2,371.94                         | -3,063.35  | 3,433.12             | 3,252.69              | 180.44                  | 19.027            |                    |         |
| 13,300.00                   | 7,070.51            | 7,040.39            | 7,039.98            | 185.33          | 30.06       | -89.67                | -2,371.94                         | -3,063.35  | 3,491.93             | 3,311.65              | 180.28                  | 19.370            |                    |         |
| 13,400.00                   | 7,070.52            | 7,040.65            | 7,040.25            | 188.14          | 30.06       | -89.67                | -2,371.95                         | -3,063.35  | 3,552.58             | 3,372.53              | 180.05                  | 19.731            |                    |         |
| 13,500.00                   | 7,070.52            | 7,040.91            | 7,040.51            | 190.95          | 30.06       | -89.68                | -2,371.95                         | -3,063.35  | 3,614.98             | 3,435.22              | 179.76                  | 20.110            |                    |         |
| 13,600.00                   | 7,070.53            | 7,041.18            | 7,040.77            | 193.76          | 30.06       | -89.68                | -2,371.95                         | -3,063.35  | 3,679.04             | 3,499.62              | 179.42                  | 20.505            |                    |         |
| 13,700.00                   | 7,070.54            | 7,041.44            | 7,041.04            | 196.57          | 30.07       | -89.69                | -2,371.95                         | -3,063.35  | 3,744.67             | 3,565.64              | 179.03                  | 20.916            |                    |         |
| 13,800.00                   | 7,070.55            | 7,041.70            | 7,041.30            | 199.38          | 30.07       | -89.69                | -2,371.95                         | -3,063.35  | 3,811.80             | 3,633.20              | 178.60                  | 21.343            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                   | 7,070.56            | 7,041.97            | 7,041.57            | 202.20          | 30.07       | -89.70                | -2,371.96                         | -3,063.35  | 3,880.34             | 3,702.21              | 178.14                  | 21.783            |                    |         |
| 14,000.00                   | 7,070.57            | 7,042.23            | 7,041.83            | 205.01          | 30.07       | -89.70                | -2,371.96                         | -3,063.35  | 3,950.23             | 3,772.59              | 177.64                  | 22.237            |                    |         |
| 14,100.00                   | 7,070.58            | 7,042.50            | 7,042.09            | 207.83          | 30.07       | -89.71                | -2,371.96                         | -3,063.35  | 4,021.39             | 3,844.27              | 177.12                  | 22.704            |                    |         |
| 14,200.00                   | 7,070.59            | 7,042.76            | 7,042.36            | 210.65          | 30.07       | -89.71                | -2,371.96                         | -3,063.35  | 4,093.75             | 3,917.17              | 176.58                  | 23.184            |                    |         |
| 14,300.00                   | 7,070.60            | 7,043.02            | 7,042.62            | 213.47          | 30.07       | -89.72                | -2,371.96                         | -3,063.35  | 4,167.26             | 3,991.24              | 176.02                  | 23.675            |                    |         |
| 14,400.00                   | 7,070.60            | 7,043.29            | 7,042.88            | 216.29          | 30.07       | -89.73                | -2,371.97                         | -3,063.35  | 4,241.85             | 4,066.41              | 175.44                  | 24.178            |                    |         |
| 14,500.00                   | 7,070.61            | 7,043.55            | 7,043.15            | 219.11          | 30.07       | -89.73                | -2,371.97                         | -3,063.35  | 4,317.47             | 4,142.61              | 174.85                  | 24.692            |                    |         |
| 14,600.00                   | 7,070.62            | 7,043.81            | 7,043.41            | 221.94          | 30.08       | -89.74                | -2,371.97                         | -3,063.36  | 4,394.06             | 4,219.80              | 174.26                  | 25.216            |                    |         |
| 14,700.00                   | 7,070.63            | 7,044.08            | 7,043.67            | 224.76          | 30.08       | -89.74                | -2,371.97                         | -3,063.36  | 4,471.58             | 4,297.92              | 173.66                  | 25.749            |                    |         |
| 14,800.00                   | 7,070.64            | 7,044.34            | 7,043.94            | 227.58          | 30.08       | -89.75                | -2,371.97                         | -3,063.36  | 4,549.97             | 4,376.92              | 173.05                  | 26.293            |                    |         |
| 14,900.00                   | 7,070.65            | 7,044.60            | 7,044.20            | 230.41          | 30.08       | -89.75                | -2,371.98                         | -3,063.36  | 4,629.20             | 4,456.76              | 172.44                  | 26.845            |                    |         |
| 15,000.00                   | 7,070.66            | 7,044.87            | 7,044.46            | 233.24          | 30.08       | -89.76                | -2,371.98                         | -3,063.36  | 4,709.22             | 4,537.38              | 171.83                  | 27.406            |                    |         |
| 15,100.00                   | 7,070.67            | 7,045.13            | 7,044.73            | 236.06          | 30.08       | -89.76                | -2,371.98                         | -3,063.36  | 4,789.99             | 4,618.76              | 171.23                  | 27.975            |                    |         |
| 15,200.00                   | 7,070.68            | 7,045.39            | 7,044.99            | 238.89          | 30.08       | -89.77                | -2,371.98                         | -3,063.36  | 4,871.47             | 4,700.85              | 170.62                  | 28.552            |                    |         |
| 15,300.00                   | 7,070.68            | 7,045.66            | 7,045.25            | 241.72          | 30.08       | -89.77                | -2,371.98                         | -3,063.36  | 4,953.63             | 4,783.61              | 170.02                  | 29.136            |                    |         |
| 15,400.00                   | 7,070.69            | 7,045.92            | 7,045.52            | 244.55          | 30.08       | -89.78                | -2,371.99                         | -3,063.36  | 5,036.44             | 4,867.02              | 169.42                  | 29.728            |                    |         |
| 15,500.00                   | 7,070.70            | 7,046.18            | 7,045.78            | 247.38          | 30.09       | -89.78                | -2,371.99                         | -3,063.36  | 5,119.86             | 4,951.03              | 168.82                  | 30.327            |                    |         |
| 15,600.00                   | 7,070.71            | 7,046.45            | 7,046.05            | 250.21          | 30.09       | -89.79                | -2,371.99                         | -3,063.36  | 5,203.86             | 5,035.63              | 168.24                  | 30.932            |                    |         |
| 15,700.00                   | 7,070.72            | 7,046.71            | 7,046.31            | 253.04          | 30.09       | -89.80                | -2,371.99                         | -3,063.36  | 5,288.42             | 5,120.77              | 167.65                  | 31.544            |                    |         |
| 15,800.00                   | 7,070.73            | 7,046.98            | 7,046.57            | 255.87          | 30.09       | -89.80                | -2,371.99                         | -3,063.36  | 5,373.52             | 5,206.44              | 167.08                  | 32.161            |                    |         |
| 15,900.00                   | 7,070.74            | 7,047.24            | 7,046.84            | 258.71          | 30.09       | -89.81                | -2,372.00                         | -3,063.36  | 5,459.11             | 5,292.60              | 166.51                  | 32.785            |                    |         |
| 16,000.00                   | 7,070.75            | 7,047.50            | 7,047.10            | 261.54          | 30.09       | -89.81                | -2,372.00                         | -3,063.36  | 5,545.19             | 5,379.24              | 165.95                  | 33.414            |                    |         |
| 16,100.00                   | 7,070.76            | 7,047.77            | 7,047.36            | 264.37          | 30.09       | -89.82                | -2,372.00                         | -3,063.37  | 5,631.73             | 5,466.33              | 165.40                  | 34.049            |                    |         |
| 16,200.00                   | 7,070.76            | 7,048.03            | 7,047.63            | 267.21          | 30.09       | -89.82                | -2,372.00                         | -3,063.37  | 5,718.71             | 5,553.85              | 164.86                  | 34.688            |                    |         |
| 16,300.00                   | 7,070.77            | 7,048.29            | 7,047.89            | 270.04          | 30.09       | -89.83                | -2,372.00                         | -3,063.37  | 5,806.11             | 5,641.78              | 164.33                  | 35.333            |                    |         |
| 16,400.00                   | 7,070.78            | 7,048.56            | 7,048.15            | 272.88          | 30.10       | -89.83                | -2,372.01                         | -3,063.37  | 5,893.90             | 5,730.10              | 163.80                  | 35.982            |                    |         |
| 16,500.00                   | 7,070.79            | 7,048.82            | 7,048.42            | 275.71          | 30.10       | -89.84                | -2,372.01                         | -3,063.37  | 5,982.09             | 5,818.80              | 163.28                  | 36.636            |                    |         |
| 16,600.00                   | 7,070.80            | 7,049.08            | 7,048.68            | 278.55          | 30.10       | -89.84                | -2,372.01                         | -3,063.37  | 6,070.63             | 5,907.86              | 162.78                  | 37.294            |                    |         |
| 16,700.00                   | 7,070.81            | 7,049.35            | 7,048.94            | 281.39          | 30.10       | -89.85                | -2,372.01                         | -3,063.37  | 6,159.53             | 5,997.25              | 162.28                  | 37.957            |                    |         |
| 16,800.00                   | 7,070.82            | 7,049.61            | 7,049.21            | 284.22          | 30.10       | -89.85                | -2,372.01                         | -3,063.37  | 6,248.77             | 6,086.98              | 161.79                  | 38.623            |                    |         |
| 16,900.00                   | 7,070.83            | 7,049.87            | 7,049.47            | 287.06          | 30.10       | -89.86                | -2,372.02                         | -3,063.37  | 6,338.32             | 6,177.01              | 161.31                  | 39.294            |                    |         |
| 17,000.00                   | 7,070.84            | 7,050.14            | 7,049.73            | 289.90          | 30.10       | -89.87                | -2,372.02                         | -3,063.37  | 6,428.18             | 6,267.35              | 160.84                  | 39.967            |                    |         |
| 17,100.00                   | 7,070.84            | 7,050.40            | 7,050.00            | 292.74          | 30.10       | -89.87                | -2,372.02                         | -3,063.37  | 6,518.34             | 6,357.97              | 160.37                  | 40.645            |                    |         |
| 17,200.00                   | 7,070.85            | 7,050.67            | 7,050.26            | 295.58          | 30.11       | -89.88                | -2,372.02                         | -3,063.37  | 6,608.78             | 6,448.87              | 159.92                  | 41.326            |                    |         |
| 17,300.00                   | 7,070.86            | 7,050.93            | 7,050.53            | 298.42          | 30.11       | -89.88                | -2,372.03                         | -3,063.37  | 6,699.50             | 6,540.02              | 159.47                  | 42.010            |                    |         |
| 17,400.00                   | 7,070.87            | 7,051.19            | 7,050.79            | 301.26          | 30.11       | -89.89                | -2,372.03                         | -3,063.37  | 6,790.47             | 6,631.44              | 159.04                  | 42.697            |                    |         |
| 17,500.00                   | 7,070.88            | 7,051.46            | 7,051.05            | 304.10          | 30.11       | -89.89                | -2,372.03                         | -3,063.37  | 6,881.70             | 6,723.09              | 158.61                  | 43.388            |                    |         |
| 17,600.00                   | 7,070.89            | 7,051.72            | 7,051.32            | 306.94          | 30.11       | -89.90                | -2,372.03                         | -3,063.38  | 6,973.16             | 6,814.97              | 158.19                  | 44.081            |                    |         |
| 17,700.00                   | 7,070.90            | 7,051.98            | 7,051.58            | 309.78          | 30.11       | -89.90                | -2,372.03                         | -3,063.38  | 7,064.86             | 6,907.08              | 157.78                  | 44.777            |                    |         |
| 17,800.00                   | 7,070.91            | 7,052.25            | 7,051.84            | 312.62          | 30.11       | -89.91                | -2,372.04                         | -3,063.38  | 7,156.78             | 6,999.40              | 157.38                  | 45.476            |                    |         |
| 17,900.00                   | 7,070.92            | 7,052.51            | 7,052.11            | 315.46          | 30.11       | -89.91                | -2,372.04                         | -3,063.38  | 7,248.91             | 7,091.93              | 156.98                  | 46.177            |                    |         |
| 18,000.00                   | 7,070.92            | 7,052.77            | 7,052.37            | 318.31          | 30.11       | -89.92                | -2,372.04                         | -3,063.38  | 7,341.25             | 7,184.65              | 156.60                  | 46.880            |                    |         |
| 18,100.00                   | 7,070.93            | 7,053.04            | 7,052.63            | 321.15          | 30.12       | -89.92                | -2,372.04                         | -3,063.38  | 7,433.79             | 7,277.57              | 156.22                  | 47.586            |                    |         |
| 18,200.00                   | 7,070.94            | 7,053.30            | 7,052.90            | 323.99          | 30.12       | -89.93                | -2,372.04                         | -3,063.38  | 7,526.51             | 7,370.67              | 155.85                  | 48.295            |                    |         |
| 18,300.00                   | 7,070.95            | 7,053.56            | 7,053.16            | 326.83          | 30.12       | -89.94                | -2,372.05                         | -3,063.38  | 7,619.43             | 7,463.94              | 155.48                  | 49.005            |                    |         |
| 18,400.00                   | 7,070.96            | 7,053.83            | 7,053.42            | 329.68          | 30.12       | -89.94                | -2,372.05                         | -3,063.38  | 7,712.52             | 7,557.39              | 155.13                  | 49.718            |                    |         |
| 18,500.00                   | 7,070.97            | 7,054.09            | 7,053.69            | 332.52          | 30.12       | -89.95                | -2,372.05                         | -3,063.38  | 7,805.78             | 7,651.00              | 154.78                  | 50.432            |                    |         |
| 18,600.00                   | 7,070.98            | 7,054.35            | 7,053.95            | 335.36          | 30.12       | -89.95                | -2,372.05                         | -3,063.38  | 7,899.20             | 7,744.76              | 154.44                  | 51.148            |                    |         |
| 18,700.00                   | 7,070.99            | 7,054.62            | 7,054.21            | 338.21          | 30.12       | -89.96                | -2,372.05                         | -3,063.38  | 7,992.78             | 7,838.68              | 154.10                  | 51.867            |                    |         |
| 18,800.00                   | 7,070.99            | 7,054.88            | 7,054.48            | 341.05          | 30.12       | -89.96                | -2,372.06                         | -3,063.38  | 8,086.52             | 7,932.75              | 153.78                  | 52.587            |                    |         |
| 18,858.54                   | 7,071.00            | 7,055.04            | 7,054.63            | 342.72          | 30.12       | -89.97                | -2,372.06                         | -3,063.38  | 8,141.47             | 7,987.88              | 153.59                  | 53.009            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 5.53                | 5.53                | 3.28            | 3.28        | -123.03               | -1,103.79                         | -1,697.58  | 2,024.88             |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 116.04              | 116.04              | 3.28            | 3.29        | -123.03               | -1,103.48                         | -1,697.40  | 2,024.59             | 2,018.02              | 6.57                    | 307.952           |                    |         |
| 200.00                      | 200.00              | 213.80              | 213.79              | 3.34            | 3.35        | -123.03               | -1,103.40                         | -1,696.93  | 2,024.14             | 2,017.45              | 6.69                    | 302.495           |                    |         |
| 300.00                      | 300.00              | 310.48              | 310.47              | 3.44            | 3.46        | -123.04               | -1,103.55                         | -1,696.42  | 2,023.78             | 2,016.87              | 6.91                    | 292.887           |                    |         |
| 307.51                      | 307.51              | 317.62              | 317.61              | 3.45            | 3.47        | 164.45                | -1,103.57                         | -1,696.38  | 2,023.77             | 2,016.84              | 6.93                    | 292.039           |                    |         |
| 400.00                      | 399.98              | 406.07              | 406.06              | 3.60            | 3.62        | 164.45                | -1,103.80                         | -1,696.08  | 2,025.31             | 2,018.09              | 7.22                    | 280.575           |                    |         |
| 500.00                      | 499.84              | 508.98              | 508.98              | 3.80            | 3.82        | 164.45                | -1,103.98                         | -1,695.81  | 2,030.22             | 2,022.60              | 7.63                    | 266.228           |                    |         |
| 600.00                      | 599.45              | 606.11              | 606.10              | 4.04            | 4.05        | 164.47                | -1,103.97                         | -1,695.67  | 2,038.49             | 2,030.40              | 8.10                    | 251.737           |                    |         |
| 700.00                      | 698.70              | 693.44              | 693.43              | 4.32            | 4.28        | 164.49                | -1,103.93                         | -1,695.93  | 2,050.47             | 2,041.86              | 8.60                    | 238.292           |                    |         |
| 800.00                      | 797.47              | 788.19              | 788.19              | 4.63            | 4.55        | 164.53                | -1,104.08                         | -1,696.52  | 2,066.16             | 2,056.97              | 9.18                    | 225.041           |                    |         |
| 900.00                      | 895.62              | 894.00              | 893.99              | 4.97            | 4.88        | 164.58                | -1,104.26                         | -1,697.08  | 2,085.10             | 2,075.26              | 9.84                    | 211.975           |                    |         |
| 924.00                      | 919.08              | 917.99              | 917.98              | 5.06            | 4.95        | 164.59                | -1,104.20                         | -1,697.20  | 2,090.08             | 2,080.08              | 10.00                   | 209.007           |                    |         |
| 1,000.00                    | 993.28              | 992.25              | 992.24              | 5.34            | 5.19        | 164.72                | -1,104.08                         | -1,697.53  | 2,106.16             | 2,095.66              | 10.51                   | 200.476           |                    |         |
| 1,100.00                    | 1,090.92            | 1,095.67            | 1,095.65            | 5.73            | 5.54        | 164.89                | -1,104.02                         | -1,697.76  | 2,127.21             | 2,115.99              | 11.22                   | 189.634           |                    |         |
| 1,200.00                    | 1,188.56            | 1,184.85            | 1,184.84            | 6.15            | 5.86        | 165.02                | -1,104.31                         | -1,697.78  | 2,148.30             | 2,136.39              | 11.90                   | 180.455           |                    |         |
| 1,300.00                    | 1,286.19            | 1,271.12            | 1,271.10            | 6.57            | 6.16        | 165.14                | -1,104.82                         | -1,698.13  | 2,169.86             | 2,157.25              | 12.60                   | 172.204           |                    |         |
| 1,400.00                    | 1,383.83            | 1,365.83            | 1,365.81            | 7.01            | 6.51        | 165.29                | -1,105.13                         | -1,699.12  | 2,191.82             | 2,178.47              | 13.34                   | 164.243           |                    |         |
| 1,500.00                    | 1,481.47            | 1,476.29            | 1,476.27            | 7.46            | 6.92        | 165.44                | -1,105.98                         | -1,699.68  | 2,213.58             | 2,199.41              | 14.17                   | 156.231           |                    |         |
| 1,600.00                    | 1,579.10            | 1,588.98            | 1,588.95            | 7.91            | 7.35        | 165.58                | -1,106.63                         | -1,699.42  | 2,234.64             | 2,219.62              | 15.02                   | 148.807           |                    |         |
| 1,700.00                    | 1,676.74            | 1,696.43            | 1,696.40            | 8.37            | 7.77        | 165.71                | -1,107.00                         | -1,698.63  | 2,255.17             | 2,239.31              | 15.86                   | 142.226           |                    |         |
| 1,800.00                    | 1,774.38            | 1,771.94            | 1,771.91            | 8.84            | 8.06        | 165.81                | -1,107.06                         | -1,698.42  | 2,275.96             | 2,259.39              | 16.57                   | 137.375           |                    |         |
| 1,900.00                    | 1,872.02            | 1,861.74            | 1,861.71            | 9.31            | 8.41        | 165.94                | -1,107.20                         | -1,699.01  | 2,297.56             | 2,280.21              | 17.35                   | 132.451           |                    |         |
| 2,000.00                    | 1,969.65            | 1,962.07            | 1,962.04            | 9.79            | 8.81        | 166.06                | -1,107.77                         | -1,699.38  | 2,319.16             | 2,300.98              | 18.18                   | 127.573           |                    |         |
| 2,100.00                    | 2,067.29            | 2,067.28            | 2,067.24            | 10.27           | 9.23        | 166.19                | -1,108.29                         | -1,699.57  | 2,340.57             | 2,321.53              | 19.04                   | 122.927           |                    |         |
| 2,200.00                    | 2,164.93            | 2,165.62            | 2,165.58            | 10.75           | 9.62        | 166.31                | -1,108.71                         | -1,699.48  | 2,361.72             | 2,341.85              | 19.88                   | 118.824           |                    |         |
| 2,300.00                    | 2,262.56            | 2,257.08            | 2,257.04            | 11.24           | 9.99        | 166.42                | -1,108.77                         | -1,699.76  | 2,383.04             | 2,362.35              | 20.68                   | 115.214           |                    |         |
| 2,400.00                    | 2,360.20            | 2,354.51            | 2,354.47            | 11.73           | 10.38       | 166.54                | -1,109.16                         | -1,700.12  | 2,404.58             | 2,383.06              | 21.52                   | 111.720           |                    |         |
| 2,500.00                    | 2,457.84            | 2,455.75            | 2,455.70            | 12.22           | 10.80       | 166.66                | -1,109.66                         | -1,700.22  | 2,425.97             | 2,403.58              | 22.38                   | 108.375           |                    |         |
| 2,600.00                    | 2,555.48            | 2,555.72            | 2,555.68            | 12.71           | 11.21       | 166.76                | -1,110.15                         | -1,700.23  | 2,447.27             | 2,424.03              | 23.24                   | 105.287           |                    |         |
| 2,700.00                    | 2,653.11            | 2,657.23            | 2,657.18            | 13.20           | 11.62       | 166.88                | -1,110.52                         | -1,700.16  | 2,468.46             | 2,444.35              | 24.11                   | 102.370           |                    |         |
| 2,800.00                    | 2,750.75            | 2,751.76            | 2,751.72            | 13.70           | 12.01       | 166.97                | -1,110.90                         | -1,699.97  | 2,489.57             | 2,464.62              | 24.95                   | 99.780            |                    |         |
| 2,900.00                    | 2,848.39            | 2,853.69            | 2,853.65            | 14.19           | 12.43       | 167.07                | -1,111.65                         | -1,699.78  | 2,510.86             | 2,485.04              | 25.83                   | 97.218            |                    |         |
| 3,000.00                    | 2,946.02            | 2,953.95            | 2,953.90            | 14.69           | 12.85       | 167.17                | -1,112.21                         | -1,699.23  | 2,531.76             | 2,505.06              | 26.70                   | 94.832            |                    |         |
| 3,100.00                    | 3,043.66            | 3,049.60            | 3,049.55            | 15.19           | 13.24       | 167.26                | -1,112.56                         | -1,699.03  | 2,552.85             | 2,525.31              | 27.55                   | 92.675            |                    |         |
| 3,200.00                    | 3,141.30            | 3,143.57            | 3,143.52            | 15.69           | 13.63       | 167.36                | -1,112.83                         | -1,698.82  | 2,573.91             | 2,545.53              | 28.39                   | 90.669            |                    |         |
| 3,300.00                    | 3,238.94            | 3,230.90            | 3,230.84            | 16.19           | 14.00       | 167.45                | -1,113.13                         | -1,698.98  | 2,595.35             | 2,566.15              | 29.20                   | 88.891            |                    |         |
| 3,400.00                    | 3,336.57            | 3,324.14            | 3,324.08            | 16.69           | 14.38       | 167.55                | -1,113.37                         | -1,699.51  | 2,617.08             | 2,587.04              | 30.04                   | 87.127            |                    |         |
| 3,500.00                    | 3,434.21            | 3,424.20            | 3,424.14            | 17.19           | 14.80       | 167.65                | -1,113.89                         | -1,699.92  | 2,638.80             | 2,607.89              | 30.92                   | 85.356            |                    |         |
| 3,600.00                    | 3,531.85            | 3,519.84            | 3,519.79            | 17.69           | 15.20       | 167.74                | -1,114.23                         | -1,700.35  | 2,660.49             | 2,628.72              | 31.77                   | 83.740            |                    |         |
| 3,700.00                    | 3,629.48            | 3,606.68            | 3,606.62            | 18.20           | 15.56       | 167.83                | -1,114.63                         | -1,700.98  | 2,682.48             | 2,649.90              | 32.58                   | 82.335            |                    |         |
| 3,800.00                    | 3,727.12            | 3,711.57            | 3,711.50            | 18.70           | 16.00       | 167.92                | -1,115.61                         | -1,701.51  | 2,704.51             | 2,671.02              | 33.49                   | 80.762            |                    |         |
| 3,900.00                    | 3,824.76            | 3,808.22            | 3,808.14            | 19.21           | 16.41       | 167.99                | -1,116.73                         | -1,701.77  | 2,726.44             | 2,692.09              | 34.35                   | 79.370            |                    |         |
| 4,000.00                    | 3,922.40            | 3,897.04            | 3,896.95            | 19.71           | 16.78       | 168.07                | -1,117.70                         | -1,702.21  | 2,748.54             | 2,713.37              | 35.17                   | 78.144            |                    |         |
| 4,100.00                    | 4,020.03            | 3,988.09            | 3,988.00            | 20.21           | 17.16       | 168.15                | -1,118.41                         | -1,703.09  | 2,770.90             | 2,734.90              | 36.01                   | 76.955            |                    |         |
| 4,200.00                    | 4,117.67            | 4,084.41            | 4,084.31            | 20.72           | 17.57       | 168.24                | -1,118.81                         | -1,704.38  | 2,793.41             | 2,756.54              | 36.87                   | 75.763            |                    |         |
| 4,300.00                    | 4,215.31            | 4,181.35            | 4,181.25            | 21.23           | 17.98       | 168.34                | -1,119.10                         | -1,705.74  | 2,815.94             | 2,778.20              | 37.74                   | 74.618            |                    |         |
| 4,400.00                    | 4,312.94            | 4,318.73            | 4,318.61            | 21.73           | 18.55       | 168.50                | -1,118.31                         | -1,707.40  | 2,837.93             | 2,799.10              | 38.83                   | 73.083            |                    |         |
| 4,500.00                    | 4,410.58            | 4,432.54            | 4,432.41            | 22.24           | 19.03       | 168.62                | -1,117.05                         | -1,707.76  | 2,858.89             | 2,819.10              | 39.79                   | 71.846            |                    |         |
| 4,600.00                    | 4,508.22            | 4,535.44            | 4,535.30            | 22.75           | 19.46       | 168.73                | -1,115.91                         | -1,707.44  | 2,879.31             | 2,838.62              | 40.69                   | 70.757            |                    |         |
| 4,700.00                    | 4,605.86            | 4,623.34            | 4,623.20            | 23.25           | 19.83       | 168.81                | -1,115.47                         | -1,707.13  | 2,899.98             | 2,858.47              | 41.51                   | 69.857            |                    |         |
| 4,800.00                    | 4,703.49            | 4,727.30            | 4,727.15            | 23.76           | 20.27       | 168.91                | -1,114.62                         | -1,707.05  | 2,920.77             | 2,878.35              | 42.42                   | 68.851            |                    |         |
| 4,900.00                    | 4,801.13            | 4,833.15            | 4,833.00            | 24.27           | 20.71       | 169.01                | -1,113.60                         | -1,706.44  | 2,941.03             | 2,897.69              | 43.34                   | 67.858            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                    | 4,898.77            | 4,915.83            | 4,915.68            | 24.77           | 21.06       | 169.08                | -1,113.27                         | -1,706.09  | 2,961.70             | 2,917.57              | 44.13                   | 67.109            |                    |         |
| 5,100.00                    | 4,996.40            | 5,025.63            | 5,025.48            | 25.28           | 21.52       | 169.17                | -1,112.93                         | -1,705.36  | 2,982.21             | 2,937.13              | 45.08                   | 66.160            |                    |         |
| 5,200.00                    | 5,094.04            | 5,108.41            | 5,108.26            | 25.79           | 21.87       | 169.24                | -1,112.45                         | -1,705.11  | 3,002.92             | 2,957.05              | 45.87                   | 65.469            |                    |         |
| 5,300.00                    | 5,191.68            | 5,200.64            | 5,200.48            | 26.30           | 22.26       | 169.32                | -1,111.81                         | -1,705.22  | 3,023.96             | 2,977.25              | 46.71                   | 64.734            |                    |         |
| 5,400.00                    | 5,289.32            | 5,295.95            | 5,295.79            | 26.81           | 22.66       | 169.41                | -1,111.09                         | -1,705.51  | 3,045.13             | 2,997.55              | 47.58                   | 64.005            |                    |         |
| 5,500.00                    | 5,386.95            | 5,390.95            | 5,390.78            | 27.32           | 23.06       | 169.50                | -1,110.42                         | -1,705.86  | 3,066.39             | 3,017.95              | 48.44                   | 63.305            |                    |         |
| 5,600.00                    | 5,484.59            | 5,481.82            | 5,481.65            | 27.83           | 23.45       | 169.58                | -1,109.91                         | -1,706.27  | 3,087.79             | 3,038.52              | 49.28                   | 62.663            |                    |         |
| 5,700.00                    | 5,582.23            | 5,585.96            | 5,585.79            | 28.33           | 23.89       | 169.67                | -1,109.43                         | -1,706.75  | 3,109.26             | 3,059.06              | 50.19                   | 61.948            |                    |         |
| 5,800.00                    | 5,679.87            | 5,675.95            | 5,675.78            | 28.84           | 24.27       | 169.74                | -1,109.04                         | -1,707.08  | 3,130.66             | 3,079.64              | 51.02                   | 61.356            |                    |         |
| 5,900.00                    | 5,777.50            | 5,778.93            | 5,778.76            | 29.35           | 24.70       | 169.83                | -1,108.55                         | -1,707.65  | 3,152.21             | 3,100.28              | 51.93                   | 60.696            |                    |         |
| 6,000.00                    | 5,875.14            | 5,878.35            | 5,878.17            | 29.86           | 25.12       | 169.91                | -1,108.00                         | -1,708.00  | 3,173.56             | 3,120.74              | 52.82                   | 60.079            |                    |         |
| 6,100.00                    | 5,972.78            | 5,965.02            | 5,964.84            | 30.37           | 25.49       | 169.98                | -1,107.70                         | -1,708.35  | 3,195.05             | 3,141.41              | 53.64                   | 59.568            |                    |         |
| 6,200.00                    | 6,070.41            | 6,089.58            | 6,089.40            | 30.88           | 26.02       | 170.07                | -1,107.49                         | -1,708.73  | 3,216.59             | 3,161.92              | 54.67                   | 58.832            |                    |         |
| 6,300.00                    | 6,168.05            | 6,168.37            | 6,168.19            | 31.39           | 26.35       | 170.12                | -1,107.44                         | -1,708.54  | 3,237.68             | 3,182.23              | 55.44                   | 58.397            |                    |         |
| 6,400.00                    | 6,265.69            | 6,244.64            | 6,244.46            | 31.90           | 26.68       | 170.17                | -1,107.63                         | -1,708.87  | 3,259.47             | 3,203.28              | 56.19                   | 58.005            |                    |         |
| 6,439.09                    | 6,303.85            | 6,275.34            | 6,275.16            | 32.10           | 26.81       | 170.19                | -1,107.84                         | -1,709.09  | 3,268.15             | 3,211.66              | 56.49                   | 57.852            |                    |         |
| 6,450.00                    | 6,314.53            | 6,283.93            | 6,283.74            | 32.16           | 26.84       | 171.77                | -1,107.91                         | -1,709.15  | 3,270.51             | 3,213.93              | 56.57                   | 57.809            |                    |         |
| 6,500.00                    | 6,363.83            | 6,323.62            | 6,323.43            | 32.39           | 27.01       | -176.44               | -1,108.29                         | -1,709.51  | 3,279.31             | 3,222.37              | 56.95                   | 57.585            |                    |         |
| 6,550.00                    | 6,413.58            | 6,363.70            | 6,363.51            | 32.60           | 27.18       | -143.66               | -1,108.63                         | -1,710.02  | 3,284.81             | 3,227.50              | 57.31                   | 57.317            |                    |         |
| 6,600.00                    | 6,463.45            | 6,405.63            | 6,405.44            | 32.79           | 27.36       | -82.78                | -1,108.93                         | -1,710.73  | 3,286.97             | 3,229.30              | 57.67                   | 57.000            |                    |         |
| 6,650.00                    | 6,513.15            | 6,463.33            | 6,463.12            | 32.97           | 27.60       | -55.42                | -1,109.00                         | -1,711.86  | 3,285.62             | 3,227.51              | 58.11                   | 56.545            |                    |         |
| 6,700.00                    | 6,562.37            | 6,518.46            | 6,518.24            | 33.15           | 27.84       | -45.73                | -1,108.61                         | -1,713.03  | 3,280.67             | 3,222.16              | 58.52                   | 56.064            |                    |         |
| 6,750.00                    | 6,610.80            | 6,569.06            | 6,568.81            | 33.34           | 28.05       | -41.40                | -1,107.98                         | -1,714.19  | 3,272.24             | 3,213.36              | 58.89                   | 55.567            |                    |         |
| 6,800.00                    | 6,658.14            | 6,652.83            | 6,652.56            | 33.53           | 28.41       | -39.42                | -1,106.50                         | -1,715.97  | 3,260.32             | 3,200.86              | 59.45                   | 54.839            |                    |         |
| 6,850.00                    | 6,704.11            | 6,724.17            | 6,723.88            | 33.74           | 28.71       | -38.66                | -1,104.97                         | -1,716.54  | 3,244.36             | 3,184.43              | 59.93                   | 54.137            |                    |         |
| 6,900.00                    | 6,748.42            | 6,759.93            | 6,759.63            | 33.97           | 28.87       | -38.54                | -1,104.32                         | -1,716.75  | 3,225.29             | 3,165.11              | 60.19                   | 53.589            |                    |         |
| 6,950.00                    | 6,790.79            | 6,794.17            | 6,793.87            | 34.21           | 29.01       | -39.00                | -1,103.82                         | -1,716.99  | 3,203.32             | 3,142.89              | 60.43                   | 53.010            |                    |         |
| 7,000.00                    | 6,830.97            | 6,835.49            | 6,835.18            | 34.48           | 29.19       | -40.03                | -1,103.30                         | -1,717.31  | 3,178.55             | 3,117.84              | 60.71                   | 52.353            |                    |         |
| 7,050.00                    | 6,868.71            | 6,876.14            | 6,875.83            | 34.77           | 29.36       | -41.57                | -1,102.72                         | -1,717.61  | 3,151.06             | 3,090.06              | 61.00                   | 51.660            |                    |         |
| 7,100.00                    | 6,903.77            | 6,916.62            | 6,916.30            | 35.09           | 29.53       | -43.64                | -1,102.07                         | -1,717.91  | 3,121.04             | 3,059.75              | 61.28                   | 50.927            |                    |         |
| 7,150.00                    | 6,935.93            | 6,957.91            | 6,957.58            | 35.44           | 29.71       | -46.29                | -1,101.29                         | -1,718.17  | 3,088.65             | 3,027.06              | 61.59                   | 50.151            |                    |         |
| 7,200.00                    | 6,965.01            | 6,995.13            | 6,994.79            | 35.83           | 29.86       | -49.53                | -1,100.48                         | -1,718.34  | 3,054.14             | 2,992.26              | 61.88                   | 49.356            |                    |         |
| 7,250.00                    | 6,990.82            | 7,022.90            | 7,022.56            | 36.26           | 29.98       | -53.30                | -1,099.84                         | -1,718.44  | 3,017.77             | 2,955.64              | 62.13                   | 48.568            |                    |         |
| 7,300.00                    | 7,013.20            | 7,046.20            | 7,045.84            | 36.72           | 30.08       | -57.71                | -1,099.29                         | -1,718.51  | 2,979.85             | 2,917.46              | 62.39                   | 47.764            |                    |         |
| 7,350.00                    | 7,032.02            | 7,065.78            | 7,065.42            | 37.23           | 30.16       | -62.79                | -1,098.84                         | -1,718.57  | 2,940.64             | 2,877.99              | 62.65                   | 46.941            |                    |         |
| 7,400.00                    | 7,047.15            | 7,081.54            | 7,081.18            | 37.77           | 30.23       | -68.50                | -1,098.47                         | -1,718.61  | 2,900.40             | 2,837.49              | 62.91                   | 46.103            |                    |         |
| 7,450.00                    | 7,058.51            | 7,093.39            | 7,093.02            | 38.34           | 30.28       | -74.76                | -1,098.20                         | -1,718.64  | 2,859.41             | 2,796.22              | 63.19                   | 45.253            |                    |         |
| 7,500.00                    | 7,066.02            | 7,101.26            | 7,100.89            | 38.95           | 30.32       | -81.42                | -1,098.02                         | -1,718.66  | 2,817.94             | 2,754.46              | 63.48                   | 44.394            |                    |         |
| 7,550.00                    | 7,069.64            | 7,105.10            | 7,104.74            | 39.58           | 30.33       | -88.24                | -1,097.93                         | -1,718.67  | 2,776.26             | 2,712.48              | 63.78                   | 43.532            |                    |         |
| 7,571.20                    | 7,070.00            | 7,105.52            | 7,105.15            | 39.85           | 30.33       | -91.12                | -1,097.92                         | -1,718.67  | 2,758.59             | 2,694.68              | 63.91                   | 43.166            |                    |         |
| 7,600.00                    | 7,070.00            | 7,105.58            | 7,105.22            | 40.23           | 30.33       | -91.13                | -1,097.92                         | -1,718.67  | 2,734.65             | 2,670.56              | 64.09                   | 42.668            |                    |         |
| 7,700.00                    | 7,070.01            | 7,105.82            | 7,105.45            | 41.64           | 30.33       | -91.14                | -1,097.91                         | -1,718.67  | 2,652.27             | 2,587.45              | 64.82                   | 40.915            |                    |         |
| 7,800.00                    | 7,070.02            | 7,106.06            | 7,105.69            | 43.20           | 30.34       | -91.14                | -1,097.91                         | -1,718.67  | 2,571.15             | 2,505.44              | 65.71                   | 39.129            |                    |         |
| 7,900.00                    | 7,070.03            | 7,106.29            | 7,105.92            | 44.89           | 30.34       | -91.15                | -1,097.90                         | -1,718.67  | 2,491.40             | 2,424.64              | 66.76                   | 37.319            |                    |         |
| 8,000.00                    | 7,070.04            | 7,106.53            | 7,106.16            | 46.69           | 30.34       | -91.16                | -1,097.90                         | -1,718.67  | 2,413.16             | 2,345.18              | 67.99                   | 35.494            |                    |         |
| 8,100.00                    | 7,070.05            | 7,106.76            | 7,106.39            | 48.60           | 30.34       | -91.17                | -1,097.89                         | -1,718.67  | 2,336.58             | 2,267.18              | 69.41                   | 33.664            |                    |         |
| 8,200.00                    | 7,070.05            | 7,106.99            | 7,106.63            | 50.59           | 30.34       | -91.18                | -1,097.89                         | -1,718.67  | 2,261.83             | 2,190.80              | 71.03                   | 31.843            |                    |         |
| 8,300.00                    | 7,070.06            | 7,107.23            | 7,106.86            | 52.66           | 30.34       | -91.19                | -1,097.88                         | -1,718.67  | 2,189.10             | 2,116.23              | 72.86                   | 30.044            |                    |         |
| 8,400.00                    | 7,070.07            | 7,107.46            | 7,107.09            | 54.81           | 30.34       | -91.20                | -1,097.87                         | -1,718.67  | 2,118.59             | 2,043.67              | 74.92                   | 28.279            |                    |         |
| 8,500.00                    | 7,070.08            | 7,107.69            | 7,107.32            | 57.02           | 30.34       | -91.21                | -1,097.87                         | -1,718.67  | 2,050.53             | 1,973.34              | 77.19                   | 26.564            |                    |         |
| 8,600.00                    | 7,070.09            | 7,107.92            | 7,107.55            | 59.28           | 30.34       | -91.21                | -1,097.86                         | -1,718.67  | 1,985.18             | 1,905.49              | 79.69                   | 24.911            |                    |         |
| 8,700.00                    | 7,070.10            | 7,108.15            | 7,107.78            | 61.60           | 30.34       | -91.22                | -1,097.86                         | -1,718.68  | 1,922.81             | 1,840.40              | 82.41                   | 23.331            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                    | 7,070.11            | 7,108.38            | 7,108.01            | 63.95           | 30.35       | -91.23                | -1,097.85                         | -1,718.68  | 1,863.73             | 1,778.38              | 85.35                   | 21.837            |                    |         |
| 8,900.00                    | 7,070.12            | 7,108.61            | 7,108.24            | 66.35           | 30.35       | -91.24                | -1,097.85                         | -1,718.68  | 1,808.24             | 1,719.76              | 88.48                   | 20.437            |                    |         |
| 9,000.00                    | 7,070.13            | 7,108.84            | 7,108.47            | 68.79           | 30.35       | -91.25                | -1,097.84                         | -1,718.68  | 1,756.70             | 1,664.91              | 91.79                   | 19.138            |                    |         |
| 9,100.00                    | 7,070.13            | 7,109.06            | 7,108.70            | 71.25           | 30.35       | -91.26                | -1,097.84                         | -1,718.68  | 1,709.46             | 1,614.22              | 95.25                   | 17.948            |                    |         |
| 9,200.00                    | 7,070.14            | 7,109.29            | 7,108.92            | 73.74           | 30.35       | -91.27                | -1,097.83                         | -1,718.68  | 1,666.89             | 1,568.08              | 98.81                   | 16.869            |                    |         |
| 9,300.00                    | 7,070.15            | 7,109.52            | 7,109.15            | 76.26           | 30.35       | -91.27                | -1,097.83                         | -1,718.68  | 1,629.35             | 1,526.91              | 102.44                  | 15.905            |                    |         |
| 9,400.00                    | 7,070.16            | 7,109.74            | 7,109.37            | 78.80           | 30.35       | -91.28                | -1,097.82                         | -1,718.68  | 1,597.20             | 1,491.13              | 106.08                  | 15.057            |                    |         |
| 9,500.00                    | 7,070.17            | 7,109.97            | 7,109.60            | 81.37           | 30.35       | -91.29                | -1,097.82                         | -1,718.68  | 1,570.77             | 1,461.11              | 109.66                  | 14.324            |                    |         |
| 9,600.00                    | 7,070.18            | 7,110.20            | 7,109.83            | 83.95           | 30.35       | -91.30                | -1,097.81                         | -1,718.68  | 1,550.35             | 1,437.23              | 113.12                  | 13.705            |                    |         |
| 9,700.00                    | 7,070.19            | 7,110.44            | 7,110.07            | 86.55           | 30.35       | -91.31                | -1,097.81                         | -1,718.68  | 1,536.18             | 1,419.78              | 116.40                  | 13.198            |                    |         |
| 9,800.00                    | 7,070.20            | 7,110.67            | 7,110.31            | 89.17           | 30.36       | -91.32                | -1,097.80                         | -1,718.68  | 1,528.43             | 1,409.01              | 119.43                  | 12.798            |                    |         |
| 9,868.69                    | 7,070.20            | 7,110.84            | 7,110.47            | 90.97           | 30.36       | -91.32                | -1,097.80                         | -1,718.68  | 1,526.89             | 1,405.55              | 121.34                  | 12.584 CC         |                    |         |
| 9,900.00                    | 7,070.21            | 7,110.91            | 7,110.54            | 91.80           | 30.36       | -91.33                | -1,097.79                         | -1,718.68  | 1,527.21             | 1,405.05              | 122.16                  | 12.502 ES         |                    |         |
| 10,000.00                   | 7,070.21            | 7,111.15            | 7,110.78            | 94.44           | 30.36       | -91.34                | -1,097.79                         | -1,718.68  | 1,532.53             | 1,407.98              | 124.55                  | 12.305            |                    |         |
| 10,100.00                   | 7,070.22            | 7,111.39            | 7,111.02            | 97.10           | 30.36       | -91.34                | -1,097.78                         | -1,718.68  | 1,544.31             | 1,417.74              | 126.57                  | 12.201            |                    |         |
| 10,200.00                   | 7,070.23            | 7,111.63            | 7,111.26            | 99.77           | 30.36       | -91.35                | -1,097.78                         | -1,718.68  | 1,562.42             | 1,434.21              | 128.21                  | 12.186 SF         |                    |         |
| 10,300.00                   | 7,070.24            | 7,111.87            | 7,111.50            | 102.44          | 30.36       | -91.36                | -1,097.77                         | -1,718.68  | 1,586.64             | 1,457.17              | 129.47                  | 12.255            |                    |         |
| 10,400.00                   | 7,070.25            | 7,112.10            | 7,111.74            | 105.13          | 30.36       | -91.37                | -1,097.77                         | -1,718.68  | 1,616.69             | 1,486.31              | 130.38                  | 12.400            |                    |         |
| 10,500.00                   | 7,070.26            | 7,112.34            | 7,111.97            | 107.83          | 30.36       | -91.38                | -1,097.76                         | -1,718.69  | 1,652.25             | 1,521.31              | 130.95                  | 12.618            |                    |         |
| 10,600.00                   | 7,070.27            | 7,112.58            | 7,112.21            | 110.53          | 30.36       | -91.39                | -1,097.76                         | -1,718.69  | 1,692.99             | 1,561.77              | 131.21                  | 12.903            |                    |         |
| 10,700.00                   | 7,070.28            | 7,112.82            | 7,112.45            | 113.24          | 30.36       | -91.40                | -1,097.75                         | -1,718.69  | 1,738.53             | 1,607.31              | 131.22                  | 13.249            |                    |         |
| 10,800.00                   | 7,070.28            | 7,113.06            | 7,112.69            | 115.96          | 30.37       | -91.41                | -1,097.75                         | -1,718.69  | 1,788.50             | 1,657.50              | 131.00                  | 13.653            |                    |         |
| 10,900.00                   | 7,070.29            | 7,113.30            | 7,112.93            | 118.69          | 30.37       | -91.42                | -1,097.74                         | -1,718.69  | 1,842.55             | 1,711.95              | 130.60                  | 14.109            |                    |         |
| 11,000.00                   | 7,070.30            | 7,113.54            | 7,113.17            | 121.42          | 30.37       | -91.42                | -1,097.73                         | -1,718.69  | 1,900.33             | 1,770.29              | 130.04                  | 14.613            |                    |         |
| 11,100.00                   | 7,070.31            | 7,113.77            | 7,113.40            | 124.16          | 30.37       | -91.43                | -1,097.73                         | -1,718.69  | 1,961.51             | 1,832.14              | 129.37                  | 15.162            |                    |         |
| 11,200.00                   | 7,070.32            | 7,114.01            | 7,113.64            | 126.90          | 30.37       | -91.44                | -1,097.72                         | -1,718.69  | 2,025.78             | 1,897.18              | 128.60                  | 15.752            |                    |         |
| 11,300.00                   | 7,070.33            | 7,114.25            | 7,113.88            | 129.65          | 30.37       | -91.45                | -1,097.72                         | -1,718.69  | 2,092.85             | 1,965.09              | 127.77                  | 16.380            |                    |         |
| 11,400.00                   | 7,070.34            | 7,114.49            | 7,114.12            | 132.40          | 30.37       | -91.46                | -1,097.71                         | -1,718.69  | 2,162.48             | 2,035.59              | 126.89                  | 17.042            |                    |         |
| 11,500.00                   | 7,070.35            | 7,114.73            | 7,114.36            | 135.16          | 30.37       | -91.47                | -1,097.71                         | -1,718.69  | 2,234.40             | 2,108.42              | 125.98                  | 17.736            |                    |         |
| 11,600.00                   | 7,070.36            | 7,114.97            | 7,114.60            | 137.92          | 30.37       | -91.48                | -1,097.70                         | -1,718.69  | 2,308.42             | 2,183.37              | 125.05                  | 18.460            |                    |         |
| 11,700.00                   | 7,070.36            | 7,115.20            | 7,114.83            | 140.69          | 30.37       | -91.49                | -1,097.70                         | -1,718.69  | 2,384.34             | 2,260.22              | 124.12                  | 19.210            |                    |         |
| 11,800.00                   | 7,070.37            | 7,115.44            | 7,115.07            | 143.46          | 30.38       | -91.50                | -1,097.69                         | -1,718.69  | 2,461.98             | 2,338.79              | 123.19                  | 19.985            |                    |         |
| 11,900.00                   | 7,070.38            | 7,115.68            | 7,115.31            | 146.23          | 30.38       | -91.51                | -1,097.68                         | -1,718.69  | 2,541.18             | 2,418.91              | 122.28                  | 20.782            |                    |         |
| 12,000.00                   | 7,070.39            | 7,115.92            | 7,115.55            | 149.01          | 30.38       | -91.51                | -1,097.68                         | -1,718.69  | 2,621.81             | 2,500.43              | 121.37                  | 21.601            |                    |         |
| 12,100.00                   | 7,070.40            | 7,116.16            | 7,115.79            | 151.79          | 30.38       | -91.52                | -1,097.67                         | -1,718.69  | 2,703.72             | 2,583.23              | 120.49                  | 22.439            |                    |         |
| 12,200.00                   | 7,070.41            | 7,116.40            | 7,116.03            | 154.57          | 30.38       | -91.53                | -1,097.67                         | -1,718.69  | 2,786.82             | 2,667.19              | 119.63                  | 23.295            |                    |         |
| 12,300.00                   | 7,070.42            | 7,116.63            | 7,116.26            | 157.35          | 30.38       | -91.54                | -1,097.66                         | -1,718.70  | 2,871.00             | 2,752.21              | 118.79                  | 24.168            |                    |         |
| 12,400.00                   | 7,070.43            | 7,116.87            | 7,116.50            | 160.14          | 30.38       | -91.55                | -1,097.66                         | -1,718.70  | 2,956.16             | 2,838.18              | 117.98                  | 25.056            |                    |         |
| 12,500.00                   | 7,070.44            | 7,117.11            | 7,116.74            | 162.93          | 30.38       | -91.56                | -1,097.65                         | -1,718.70  | 3,042.23             | 2,925.03              | 117.20                  | 25.958            |                    |         |
| 12,600.00                   | 7,070.44            | 7,117.35            | 7,116.98            | 165.72          | 30.38       | -91.57                | -1,097.65                         | -1,718.70  | 3,129.13             | 3,012.69              | 116.44                  | 26.873            |                    |         |
| 12,700.00                   | 7,070.45            | 7,117.59            | 7,117.22            | 168.52          | 30.39       | -91.58                | -1,097.64                         | -1,718.70  | 3,216.78             | 3,101.07              | 115.71                  | 27.801            |                    |         |
| 12,800.00                   | 7,070.46            | 7,117.83            | 7,117.46            | 171.32          | 30.39       | -91.59                | -1,097.64                         | -1,718.70  | 3,305.14             | 3,190.13              | 115.00                  | 28.739            |                    |         |
| 12,900.00                   | 7,070.47            | 7,118.06            | 7,117.69            | 174.11          | 30.39       | -91.59                | -1,097.63                         | -1,718.70  | 3,394.14             | 3,279.82              | 114.33                  | 29.688            |                    |         |
| 13,000.00                   | 7,070.48            | 7,118.30            | 7,117.93            | 176.92          | 30.39       | -91.60                | -1,097.62                         | -1,718.70  | 3,483.74             | 3,370.07              | 113.67                  | 30.647            |                    |         |
| 13,100.00                   | 7,070.49            | 7,118.54            | 7,118.17            | 179.72          | 30.39       | -91.61                | -1,097.62                         | -1,718.70  | 3,573.89             | 3,460.85              | 113.05                  | 31.615            |                    |         |
| 13,200.00                   | 7,070.50            | 7,118.78            | 7,118.41            | 182.52          | 30.39       | -91.62                | -1,097.61                         | -1,718.70  | 3,664.56             | 3,552.12              | 112.44                  | 32.591            |                    |         |
| 13,300.00                   | 7,070.51            | 7,119.02            | 7,118.65            | 185.33          | 30.39       | -91.63                | -1,097.61                         | -1,718.70  | 3,755.69             | 3,643.83              | 111.86                  | 33.574            |                    |         |
| 13,400.00                   | 7,070.52            | 7,119.26            | 7,118.89            | 188.14          | 30.39       | -91.64                | -1,097.60                         | -1,718.70  | 3,847.27             | 3,735.97              | 111.30                  | 34.565            |                    |         |
| 13,500.00                   | 7,070.52            | 7,119.50            | 7,119.12            | 190.95          | 30.39       | -91.65                | -1,097.60                         | -1,718.70  | 3,939.26             | 3,828.49              | 110.77                  | 35.563            |                    |         |
| 13,600.00                   | 7,070.53            | 7,119.73            | 7,119.36            | 193.76          | 30.39       | -91.66                | -1,097.59                         | -1,718.70  | 4,031.63             | 3,921.37              | 110.25                  | 36.567            |                    |         |
| 13,700.00                   | 7,070.54            | 7,119.97            | 7,119.60            | 196.57          | 30.40       | -91.67                | -1,097.59                         | -1,718.70  | 4,124.35             | 4,014.59              | 109.76                  | 37.576            |                    |         |
| 13,800.00                   | 7,070.55            | 7,120.21            | 7,119.84            | 199.38          | 30.40       | -91.68                | -1,097.58                         | -1,718.70  | 4,217.41             | 4,108.12              | 109.29                  | 38.591            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                   | 7,070.56            | 7,120.45            | 7,120.08            | 202.20          | 30.40       | -91.68                | -1,097.57                         | -1,718.70  | 4,310.78             | 4,201.95              | 108.83                  | 39.611            |                    |         |
| 14,000.00                   | 7,070.57            | 7,120.69            | 7,120.32            | 205.01          | 30.40       | -91.69                | -1,097.57                         | -1,718.70  | 4,404.44             | 4,296.05              | 108.39                  | 40.635            |                    |         |
| 14,100.00                   | 7,070.58            | 7,120.93            | 7,120.55            | 207.83          | 30.40       | -91.70                | -1,097.56                         | -1,718.71  | 4,498.37             | 4,390.40              | 107.97                  | 41.664            |                    |         |
| 14,200.00                   | 7,070.59            | 7,121.16            | 7,120.79            | 210.65          | 30.40       | -91.71                | -1,097.56                         | -1,718.71  | 4,592.56             | 4,484.99              | 107.56                  | 42.696            |                    |         |
| 14,300.00                   | 7,070.60            | 7,121.40            | 7,121.03            | 213.47          | 30.40       | -91.72                | -1,097.55                         | -1,718.71  | 4,686.98             | 4,579.81              | 107.17                  | 43.733            |                    |         |
| 14,400.00                   | 7,070.60            | 7,121.64            | 7,121.27            | 216.29          | 30.40       | -91.73                | -1,097.55                         | -1,718.71  | 4,781.64             | 4,674.84              | 106.80                  | 44.772            |                    |         |
| 14,500.00                   | 7,070.61            | 7,121.88            | 7,121.51            | 219.11          | 30.40       | -91.74                | -1,097.54                         | -1,718.71  | 4,876.51             | 4,770.07              | 106.44                  | 45.815            |                    |         |
| 14,600.00                   | 7,070.62            | 7,122.12            | 7,121.75            | 221.94          | 30.40       | -91.75                | -1,097.54                         | -1,718.71  | 4,971.58             | 4,865.49              | 106.09                  | 46.861            |                    |         |
| 14,700.00                   | 7,070.63            | 7,122.36            | 7,121.98            | 224.76          | 30.41       | -91.76                | -1,097.53                         | -1,718.71  | 5,066.84             | 4,961.08              | 105.76                  | 47.909            |                    |         |
| 14,800.00                   | 7,070.64            | 7,122.59            | 7,122.22            | 227.58          | 30.41       | -91.76                | -1,097.53                         | -1,718.71  | 5,162.28             | 5,056.84              | 105.44                  | 48.960            |                    |         |
| 14,900.00                   | 7,070.65            | 7,122.83            | 7,122.46            | 230.41          | 30.41       | -91.77                | -1,097.52                         | -1,718.71  | 5,257.89             | 5,152.76              | 105.13                  | 50.013            |                    |         |
| 15,000.00                   | 7,070.66            | 7,123.07            | 7,122.70            | 233.24          | 30.41       | -91.78                | -1,097.51                         | -1,718.71  | 5,353.66             | 5,248.82              | 104.83                  | 51.068            |                    |         |
| 15,100.00                   | 7,070.67            | 7,123.31            | 7,122.94            | 236.06          | 30.41       | -91.79                | -1,097.51                         | -1,718.71  | 5,449.58             | 5,345.03              | 104.55                  | 52.124            |                    |         |
| 15,200.00                   | 7,070.68            | 7,123.55            | 7,123.18            | 238.89          | 30.41       | -91.80                | -1,097.50                         | -1,718.71  | 5,545.64             | 5,441.37              | 104.28                  | 53.183            |                    |         |
| 15,300.00                   | 7,070.68            | 7,123.79            | 7,123.41            | 241.72          | 30.41       | -91.81                | -1,097.50                         | -1,718.71  | 5,641.84             | 5,537.83              | 104.01                  | 54.243            |                    |         |
| 15,400.00                   | 7,070.69            | 7,124.02            | 7,123.65            | 244.55          | 30.41       | -91.82                | -1,097.49                         | -1,718.71  | 5,738.18             | 5,634.42              | 103.76                  | 55.304            |                    |         |
| 15,500.00                   | 7,070.70            | 7,124.26            | 7,123.89            | 247.38          | 30.41       | -91.83                | -1,097.49                         | -1,718.71  | 5,834.63             | 5,731.12              | 103.51                  | 56.367            |                    |         |
| 15,600.00                   | 7,070.71            | 7,124.50            | 7,124.13            | 250.21          | 30.41       | -91.84                | -1,097.48                         | -1,718.71  | 5,931.20             | 5,827.93              | 103.28                  | 57.430            |                    |         |
| 15,700.00                   | 7,070.72            | 7,124.74            | 7,124.37            | 253.04          | 30.42       | -91.85                | -1,097.48                         | -1,718.71  | 6,027.89             | 5,924.84              | 103.05                  | 58.495            |                    |         |
| 15,800.00                   | 7,070.73            | 7,124.98            | 7,124.61            | 255.87          | 30.42       | -91.85                | -1,097.47                         | -1,718.71  | 6,124.68             | 6,021.85              | 102.83                  | 59.560            |                    |         |
| 15,900.00                   | 7,070.74            | 7,125.22            | 7,124.84            | 258.71          | 30.42       | -91.86                | -1,097.46                         | -1,718.72  | 6,221.57             | 6,118.95              | 102.62                  | 60.626            |                    |         |
| 16,000.00                   | 7,070.75            | 7,125.46            | 7,125.08            | 261.54          | 30.42       | -91.87                | -1,097.46                         | -1,718.72  | 6,318.56             | 6,216.14              | 102.42                  | 61.693            |                    |         |
| 16,100.00                   | 7,070.76            | 7,125.69            | 7,125.32            | 264.37          | 30.42       | -91.88                | -1,097.45                         | -1,718.72  | 6,415.64             | 6,313.42              | 102.23                  | 62.760            |                    |         |
| 16,200.00                   | 7,070.76            | 7,125.93            | 7,125.56            | 267.21          | 30.42       | -91.89                | -1,097.45                         | -1,718.72  | 6,512.81             | 6,410.77              | 102.04                  | 63.827            |                    |         |
| 16,300.00                   | 7,070.77            | 7,126.17            | 7,125.80            | 270.04          | 30.42       | -91.90                | -1,097.44                         | -1,718.72  | 6,610.06             | 6,508.21              | 101.86                  | 64.895            |                    |         |
| 16,400.00                   | 7,070.78            | 7,126.41            | 7,126.04            | 272.88          | 30.42       | -91.91                | -1,097.44                         | -1,718.72  | 6,707.40             | 6,605.71              | 101.69                  | 65.962            |                    |         |
| 16,500.00                   | 7,070.79            | 7,126.65            | 7,126.27            | 275.71          | 30.42       | -91.92                | -1,097.43                         | -1,718.72  | 6,804.81             | 6,703.29              | 101.52                  | 67.030            |                    |         |
| 16,600.00                   | 7,070.80            | 7,126.89            | 7,126.51            | 278.55          | 30.42       | -91.93                | -1,097.43                         | -1,718.72  | 6,902.30             | 6,800.94              | 101.36                  | 68.098            |                    |         |
| 16,700.00                   | 7,070.81            | 7,127.12            | 7,126.75            | 281.39          | 30.43       | -91.93                | -1,097.42                         | -1,718.72  | 6,999.86             | 6,898.65              | 101.20                  | 69.166            |                    |         |
| 16,800.00                   | 7,070.82            | 7,127.36            | 7,126.99            | 284.22          | 30.43       | -91.94                | -1,097.41                         | -1,718.72  | 7,097.48             | 6,996.43              | 101.06                  | 70.233            |                    |         |
| 16,900.00                   | 7,070.83            | 7,127.60            | 7,127.23            | 287.06          | 30.43       | -91.95                | -1,097.41                         | -1,718.72  | 7,195.17             | 7,094.26              | 100.91                  | 71.301            |                    |         |
| 17,000.00                   | 7,070.84            | 7,127.84            | 7,127.47            | 289.90          | 30.43       | -91.96                | -1,097.40                         | -1,718.72  | 7,292.92             | 7,192.15              | 100.78                  | 72.368            |                    |         |
| 17,100.00                   | 7,070.84            | 7,128.08            | 7,127.70            | 292.74          | 30.43       | -91.97                | -1,097.40                         | -1,718.72  | 7,390.74             | 7,290.09              | 100.64                  | 73.434            |                    |         |
| 17,200.00                   | 7,070.85            | 7,128.32            | 7,127.94            | 295.58          | 30.43       | -91.98                | -1,097.39                         | -1,718.72  | 7,488.61             | 7,388.09              | 100.52                  | 74.500            |                    |         |
| 17,300.00                   | 7,070.86            | 7,128.55            | 7,128.18            | 298.42          | 30.43       | -91.99                | -1,097.39                         | -1,718.72  | 7,586.53             | 7,486.14              | 100.40                  | 75.566            |                    |         |
| 17,400.00                   | 7,070.87            | 7,128.79            | 7,128.42            | 301.26          | 30.43       | -92.00                | -1,097.38                         | -1,718.72  | 7,684.51             | 7,584.23              | 100.28                  | 76.630            |                    |         |
| 17,500.00                   | 7,070.88            | 7,129.03            | 7,128.66            | 304.10          | 30.43       | -92.01                | -1,097.38                         | -1,718.72  | 7,782.55             | 7,682.38              | 100.17                  | 77.695            |                    |         |
| 17,600.00                   | 7,070.89            | 7,129.27            | 7,128.90            | 306.94          | 30.43       | -92.02                | -1,097.37                         | -1,718.72  | 7,880.63             | 7,780.57              | 100.06                  | 78.758            |                    |         |
| 17,700.00                   | 7,070.90            | 7,129.51            | 7,129.13            | 309.78          | 30.44       | -92.02                | -1,097.37                         | -1,718.72  | 7,978.75             | 7,878.80              | 99.96                   | 79.821            |                    |         |
| 17,800.00                   | 7,070.91            | 7,129.75            | 7,129.37            | 312.62          | 30.44       | -92.03                | -1,097.36                         | -1,718.73  | 8,076.93             | 7,977.07              | 99.86                   | 80.882            |                    |         |
| 17,900.00                   | 7,070.92            | 7,129.98            | 7,129.61            | 315.46          | 30.44       | -92.04                | -1,097.35                         | -1,718.73  | 8,175.15             | 8,075.38              | 99.77                   | 81.943            |                    |         |
| 18,000.00                   | 7,070.92            | 7,130.22            | 7,129.85            | 318.31          | 30.44       | -92.05                | -1,097.35                         | -1,718.73  | 8,273.41             | 8,173.73              | 99.68                   | 83.003            |                    |         |
| 18,100.00                   | 7,070.93            | 7,130.46            | 7,130.09            | 321.15          | 30.44       | -92.06                | -1,097.34                         | -1,718.73  | 8,371.71             | 8,272.12              | 99.59                   | 84.062            |                    |         |
| 18,200.00                   | 7,070.94            | 7,130.70            | 7,130.33            | 323.99          | 30.44       | -92.07                | -1,097.34                         | -1,718.73  | 8,470.05             | 8,370.55              | 99.51                   | 85.120            |                    |         |
| 18,300.00                   | 7,070.95            | 7,130.94            | 7,130.56            | 326.83          | 30.44       | -92.08                | -1,097.33                         | -1,718.73  | 8,568.43             | 8,469.00              | 99.43                   | 86.177            |                    |         |
| 18,400.00                   | 7,070.96            | 7,131.18            | 7,130.80            | 329.68          | 30.44       | -92.09                | -1,097.33                         | -1,718.73  | 8,666.85             | 8,567.50              | 99.35                   | 87.232            |                    |         |
| 18,500.00                   | 7,070.97            | 7,131.42            | 7,131.04            | 332.52          | 30.44       | -92.10                | -1,097.32                         | -1,718.73  | 8,765.30             | 8,666.02              | 99.28                   | 88.287            |                    |         |
| 18,600.00                   | 7,070.98            | 7,131.65            | 7,131.28            | 335.36          | 30.45       | -92.10                | -1,097.32                         | -1,718.73  | 8,863.79             | 8,764.58              | 99.21                   | 89.340            |                    |         |
| 18,700.00                   | 7,070.99            | 7,131.89            | 7,131.52            | 338.21          | 30.45       | -92.11                | -1,097.31                         | -1,718.73  | 8,962.31             | 8,863.16              | 99.15                   | 90.392            |                    |         |
| 18,800.00                   | 7,070.99            | 7,132.13            | 7,131.76            | 341.05          | 30.45       | -92.12                | -1,097.30                         | -1,718.73  | 9,060.87             | 8,961.78              | 99.09                   | 91.442            |                    |         |
| 18,858.54                   | 7,071.00            | 7,132.27            | 7,131.90            | 342.72          | 30.45       | -92.13                | -1,097.30                         | -1,718.73  | 9,118.57             | 9,019.52              | 99.05                   | 92.057            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -139.83               | -874.69                           | -738.37    | 1,144.83             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 81.00               | 81.00               | 3.28            | 3.57        | -139.83               | -874.69                           | -738.37    | 1,144.68             | 1,137.82              | 6.86                    | 166.948           |                    |         |
| 200.00                                  | 200.00              | 181.00              | 181.00              | 3.34            | 5.63        | -139.83               | -874.69                           | -738.37    | 1,144.68             | 1,135.71              | 8.96                    | 127.684           |                    |         |
| 300.00                                  | 300.00              | 281.00              | 281.00              | 3.44            | 8.71        | -139.83               | -874.69                           | -738.37    | 1,144.68             | 1,132.52              | 12.15                   | 94.207 CC         |                    |         |
| 400.00                                  | 399.98              | 380.98              | 380.98              | 3.60            | 12.01       | 147.70                | -874.69                           | -738.37    | 1,146.15             | 1,130.54              | 15.61                   | 73.414            |                    |         |
| 500.00                                  | 499.84              | 480.84              | 480.84              | 3.80            | 15.39       | 147.79                | -874.69                           | -738.37    | 1,150.58             | 1,131.38              | 19.20                   | 59.938            |                    |         |
| 600.00                                  | 599.45              | 580.45              | 580.45              | 4.04            | 18.81       | 147.94                | -874.69                           | -738.37    | 1,157.97             | 1,135.12              | 22.85                   | 50.676            |                    |         |
| 700.00                                  | 698.70              | 679.70              | 679.70              | 4.32            | 22.23       | 148.15                | -874.69                           | -738.37    | 1,168.33             | 1,141.78              | 26.55                   | 44.008            |                    |         |
| 800.00                                  | 797.47              | 778.47              | 778.47              | 4.63            | 25.64       | 148.41                | -874.69                           | -738.37    | 1,181.68             | 1,151.41              | 30.27                   | 39.036            |                    |         |
| 900.00                                  | 895.62              | 876.62              | 876.62              | 4.97            | 29.04       | 148.71                | -874.69                           | -738.37    | 1,198.04             | 1,164.03              | 34.01                   | 35.226            |                    |         |
| 924.00                                  | 919.08              | 900.08              | 900.08              | 5.06            | 29.86       | 148.79                | -874.69                           | -738.37    | 1,202.42             | 1,167.51              | 34.91                   | 34.442            |                    |         |
| 1,000.00                                | 993.28              | 974.28              | 974.28              | 5.34            | 32.43       | 149.19                | -874.69                           | -738.37    | 1,216.58             | 1,178.83              | 37.76                   | 32.221            |                    |         |
| 1,100.00                                | 1,090.92            | 1,071.92            | 1,071.92            | 5.73            | 35.83       | 149.70                | -874.69                           | -738.37    | 1,235.30             | 1,193.78              | 41.52                   | 29.752            |                    |         |
| 1,200.00                                | 1,188.56            | 1,169.56            | 1,169.56            | 6.15            | 39.22       | 150.19                | -874.69                           | -738.37    | 1,254.12             | 1,208.82              | 45.30                   | 27.684            |                    |         |
| 1,300.00                                | 1,286.19            | 1,267.19            | 1,267.19            | 6.57            | 42.62       | 150.68                | -874.69                           | -738.37    | 1,273.02             | 1,223.93              | 49.10                   | 25.929            |                    |         |
| 1,400.00                                | 1,383.83            | 1,364.83            | 1,364.83            | 7.01            | 46.02       | 151.14                | -874.69                           | -738.37    | 1,292.01             | 1,239.11              | 52.90                   | 24.422            |                    |         |
| 1,500.00                                | 1,481.47            | 1,462.47            | 1,462.47            | 7.46            | 49.42       | 151.60                | -874.69                           | -738.37    | 1,311.08             | 1,254.36              | 56.72                   | 23.115            |                    |         |
| 1,600.00                                | 1,579.10            | 1,560.10            | 1,560.10            | 7.91            | 52.82       | 152.04                | -874.69                           | -738.37    | 1,330.23             | 1,269.69              | 60.54                   | 21.971            |                    |         |
| 1,700.00                                | 1,676.74            | 1,657.74            | 1,657.74            | 8.37            | 56.22       | 152.46                | -874.69                           | -738.37    | 1,349.45             | 1,285.08              | 64.37                   | 20.963            |                    |         |
| 1,800.00                                | 1,774.38            | 1,755.38            | 1,755.38            | 8.84            | 59.63       | 152.88                | -874.69                           | -738.37    | 1,368.75             | 1,300.54              | 68.21                   | 20.066            |                    |         |
| 1,900.00                                | 1,872.02            | 1,853.02            | 1,853.02            | 9.31            | 63.03       | 153.29                | -874.69                           | -738.37    | 1,388.11             | 1,316.06              | 72.05                   | 19.265            |                    |         |
| 2,000.00                                | 1,969.65            | 1,950.65            | 1,950.65            | 9.79            | 66.43       | 153.68                | -874.69                           | -738.37    | 1,407.54             | 1,331.64              | 75.90                   | 18.545            |                    |         |
| 2,100.00                                | 2,067.29            | 2,048.29            | 2,048.29            | 10.27           | 69.84       | 154.06                | -874.69                           | -738.37    | 1,427.03             | 1,347.28              | 79.75                   | 17.895            |                    |         |
| 2,200.00                                | 2,164.93            | 2,145.93            | 2,145.93            | 10.75           | 73.24       | 154.43                | -874.69                           | -738.37    | 1,446.58             | 1,362.98              | 83.60                   | 17.304            |                    |         |
| 2,300.00                                | 2,262.56            | 2,243.56            | 2,243.56            | 11.24           | 76.65       | 154.80                | -874.69                           | -738.37    | 1,466.18             | 1,378.73              | 87.45                   | 16.766            |                    |         |
| 2,400.00                                | 2,360.20            | 2,341.20            | 2,341.20            | 11.73           | 80.05       | 155.15                | -874.69                           | -738.37    | 1,485.85             | 1,394.54              | 91.31                   | 16.273            |                    |         |
| 2,500.00                                | 2,457.84            | 2,438.84            | 2,438.84            | 12.22           | 83.46       | 155.50                | -874.69                           | -738.37    | 1,505.56             | 1,410.40              | 95.16                   | 15.821            |                    |         |
| 2,600.00                                | 2,555.48            | 2,536.48            | 2,536.48            | 12.71           | 86.87       | 155.83                | -874.69                           | -738.37    | 1,525.33             | 1,426.31              | 99.02                   | 15.404            |                    |         |
| 2,700.00                                | 2,653.11            | 2,634.11            | 2,634.11            | 13.20           | 90.27       | 156.16                | -874.69                           | -738.37    | 1,545.15             | 1,442.27              | 102.88                  | 15.018            |                    |         |
| 2,800.00                                | 2,750.75            | 2,731.75            | 2,731.75            | 13.70           | 93.68       | 156.48                | -874.69                           | -738.37    | 1,565.01             | 1,458.27              | 106.75                  | 14.661            |                    |         |
| 2,900.00                                | 2,848.39            | 2,829.39            | 2,829.39            | 14.19           | 97.08       | 156.79                | -874.69                           | -738.37    | 1,584.93             | 1,474.32              | 110.61                  | 14.329            |                    |         |
| 3,000.00                                | 2,946.02            | 2,927.02            | 2,927.02            | 14.69           | 100.49      | 157.09                | -874.69                           | -738.37    | 1,604.88             | 1,490.41              | 114.47                  | 14.020            |                    |         |
| 3,100.00                                | 3,043.66            | 3,024.66            | 3,024.66            | 15.19           | 103.90      | 157.39                | -874.69                           | -738.37    | 1,624.88             | 1,506.54              | 118.34                  | 13.731            |                    |         |
| 3,200.00                                | 3,141.30            | 3,122.30            | 3,122.30            | 15.69           | 107.30      | 157.67                | -874.69                           | -738.37    | 1,644.91             | 1,522.71              | 122.20                  | 13.460            |                    |         |
| 3,300.00                                | 3,238.94            | 3,219.94            | 3,219.94            | 16.19           | 110.71      | 157.96                | -874.69                           | -738.37    | 1,664.99             | 1,538.92              | 126.07                  | 13.207            |                    |         |
| 3,400.00                                | 3,336.57            | 3,317.57            | 3,317.57            | 16.69           | 114.12      | 158.23                | -874.69                           | -738.37    | 1,685.11             | 1,555.17              | 129.94                  | 12.969            |                    |         |
| 3,500.00                                | 3,434.21            | 3,415.21            | 3,415.21            | 17.19           | 117.53      | 158.50                | -874.69                           | -738.37    | 1,705.26             | 1,571.45              | 133.80                  | 12.744            |                    |         |
| 3,600.00                                | 3,531.85            | 3,512.85            | 3,512.85            | 17.69           | 120.93      | 158.76                | -874.69                           | -738.37    | 1,725.44             | 1,587.77              | 137.67                  | 12.533            |                    |         |
| 3,700.00                                | 3,629.48            | 3,610.48            | 3,610.48            | 18.20           | 124.34      | 159.02                | -874.69                           | -738.37    | 1,745.67             | 1,604.12              | 141.54                  | 12.333            |                    |         |
| 3,800.00                                | 3,727.12            | 3,708.12            | 3,708.12            | 18.70           | 127.75      | 159.27                | -874.69                           | -738.37    | 1,765.92             | 1,620.51              | 145.41                  | 12.144            |                    |         |
| 3,900.00                                | 3,824.76            | 3,805.76            | 3,805.76            | 19.21           | 131.15      | 159.51                | -874.69                           | -738.37    | 1,786.20             | 1,636.93              | 149.28                  | 11.966            |                    |         |
| 4,000.00                                | 3,922.40            | 3,903.40            | 3,903.40            | 19.71           | 134.56      | 159.75                | -874.69                           | -738.37    | 1,806.52             | 1,653.37              | 153.15                  | 11.796            |                    |         |
| 4,100.00                                | 4,020.03            | 4,001.03            | 4,001.03            | 20.21           | 137.97      | 159.99                | -874.69                           | -738.37    | 1,826.87             | 1,669.85              | 157.02                  | 11.635            |                    |         |
| 4,200.00                                | 4,117.67            | 4,101.33            | 4,101.33            | 20.72           | 141.47      | 160.21                | -874.69                           | -738.37    | 1,847.24             | 1,686.26              | 160.98                  | 11.475            |                    |         |
| 4,300.00                                | 4,215.31            | 4,203.69            | 4,203.69            | 21.23           | 145.04      | 160.44                | -874.69                           | -738.37    | 1,867.64             | 1,702.63              | 165.02                  | 11.318            |                    |         |
| 4,400.00                                | 4,312.94            | 4,306.06            | 4,306.06            | 21.73           | 148.62      | 160.66                | -874.69                           | -738.37    | 1,888.07             | 1,719.02              | 169.05                  | 11.168            |                    |         |
| 4,500.00                                | 4,410.58            | 4,408.42            | 4,408.42            | 22.24           | 152.19      | 160.87                | -874.69                           | -738.37    | 1,908.53             | 1,735.44              | 173.09                  | 11.026            |                    |         |
| 4,600.00                                | 4,508.22            | 4,489.22            | 4,489.22            | 22.75           | 155.01      | 161.08                | -874.69                           | -738.37    | 1,929.01             | 1,752.64              | 176.37                  | 10.937            |                    |         |
| 4,700.00                                | 4,605.86            | 4,586.86            | 4,586.86            | 23.25           | 158.42      | 161.29                | -874.69                           | -738.37    | 1,949.51             | 1,769.27              | 180.24                  | 10.816            |                    |         |
| 4,800.00                                | 4,703.49            | 4,684.49            | 4,684.49            | 23.76           | 161.82      | 161.49                | -874.69                           | -738.37    | 1,970.04             | 1,785.93              | 184.12                  | 10.700            |                    |         |
| 4,900.00                                | 4,801.13            | 4,782.13            | 4,782.13            | 24.27           | 165.23      | 161.68                | -874.69                           | -738.37    | 1,990.59             | 1,802.61              | 187.99                  | 10.589            |                    |         |
| 5,000.00                                | 4,898.77            | 4,879.77            | 4,879.77            | 24.77           | 168.64      | 161.88                | -874.69                           | -738.37    | 2,011.17             | 1,819.31              | 191.86                  | 10.482            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 4,977.40            | 4,977.40            | 25.28           | 172.05      | 162.07                | -874.69                           | -738.37    | 2,031.76             | 1,836.03              | 195.73                  | 10.380            |                    |         |
| 5,200.00                                | 5,094.04            | 5,075.04            | 5,075.04            | 25.79           | 175.46      | 162.25                | -874.69                           | -738.37    | 2,052.38             | 1,852.77              | 199.60                  | 10.282            |                    |         |
| 5,300.00                                | 5,191.68            | 5,172.68            | 5,172.68            | 26.30           | 178.86      | 162.43                | -874.69                           | -738.37    | 2,073.01             | 1,869.54              | 203.48                  | 10.188            |                    |         |
| 5,400.00                                | 5,289.32            | 5,270.32            | 5,270.32            | 26.81           | 182.27      | 162.61                | -874.69                           | -738.37    | 2,093.67             | 1,886.32              | 207.35                  | 10.097            |                    |         |
| 5,500.00                                | 5,386.95            | 5,367.95            | 5,367.95            | 27.32           | 185.68      | 162.79                | -874.69                           | -738.37    | 2,114.35             | 1,903.12              | 211.22                  | 10.010            |                    |         |
| 5,600.00                                | 5,484.59            | 5,465.59            | 5,465.59            | 27.83           | 189.09      | 162.96                | -874.69                           | -738.37    | 2,135.04             | 1,919.94              | 215.10                  | 9.926             |                    |         |
| 5,700.00                                | 5,582.23            | 5,563.23            | 5,563.23            | 28.33           | 192.50      | 163.13                | -874.69                           | -738.37    | 2,155.75             | 1,936.78              | 218.97                  | 9.845             |                    |         |
| 5,800.00                                | 5,679.87            | 5,660.87            | 5,660.87            | 28.84           | 195.90      | 163.29                | -874.69                           | -738.37    | 2,176.48             | 1,953.64              | 222.84                  | 9.767             |                    |         |
| 5,900.00                                | 5,777.50            | 5,758.50            | 5,758.50            | 29.35           | 199.31      | 163.45                | -874.69                           | -738.37    | 2,197.23             | 1,970.51              | 226.71                  | 9.692             |                    |         |
| 6,000.00                                | 5,875.14            | 5,856.14            | 5,856.14            | 29.86           | 202.72      | 163.61                | -874.69                           | -738.37    | 2,217.99             | 1,987.40              | 230.59                  | 9.619             |                    |         |
| 6,100.00                                | 5,972.78            | 5,953.78            | 5,953.78            | 30.37           | 206.13      | 163.77                | -874.69                           | -738.37    | 2,238.77             | 2,004.31              | 234.46                  | 9.549             |                    |         |
| 6,200.00                                | 6,070.41            | 6,051.41            | 6,051.41            | 30.88           | 209.54      | 163.92                | -874.69                           | -738.37    | 2,259.56             | 2,021.23              | 238.33                  | 9.481             |                    |         |
| 6,300.00                                | 6,168.05            | 6,149.05            | 6,149.05            | 31.39           | 212.94      | 164.07                | -874.69                           | -738.37    | 2,280.37             | 2,038.16              | 242.21                  | 9.415             |                    |         |
| 6,400.00                                | 6,265.69            | 6,246.69            | 6,246.69            | 31.90           | 216.35      | 164.22                | -874.69                           | -738.37    | 2,301.19             | 2,055.11              | 246.08                  | 9.351             |                    |         |
| 6,439.09                                | 6,303.85            | 6,284.85            | 6,284.85            | 32.10           | 217.68      | 164.27                | -874.69                           | -738.37    | 2,309.34             | 2,061.74              | 247.60                  | 9.327             |                    |         |
| 6,450.00                                | 6,314.53            | 6,304.48            | 6,295.53            | 32.16           | 218.37      | 165.87                | -874.69                           | -738.37    | 2,311.53             | 2,063.20              | 248.33                  | 9.308             |                    |         |
| 6,500.00                                | 6,363.83            | 6,344.83            | 6,344.83            | 32.39           | 219.78      | 177.73                | -874.69                           | -738.37    | 2,319.64             | 2,069.68              | 249.96                  | 9.280             |                    |         |
| 6,550.00                                | 6,413.58            | 6,405.42            | 6,394.58            | 32.60           | 221.89      | -149.48               | -874.69                           | -738.37    | 2,324.48             | 2,072.19              | 252.29                  | 9.214             |                    |         |
| 6,600.00                                | 6,463.45            | 6,444.45            | 6,444.45            | 32.79           | 223.25      | -88.64                | -874.69                           | -738.37    | 2,326.03             | 2,072.18              | 253.85                  | 9.163             |                    |         |
| 6,650.00                                | 6,513.15            | 6,505.85            | 6,494.15            | 32.97           | 225.40      | -61.34                | -874.69                           | -738.37    | 2,324.29             | 2,068.12              | 256.17                  | 9.073             |                    |         |
| 6,700.00                                | 6,562.37            | 6,543.37            | 6,543.37            | 33.15           | 226.71      | -51.76                | -874.69                           | -738.37    | 2,319.29             | 2,061.63              | 257.65                  | 9.002             |                    |         |
| 6,750.00                                | 6,610.80            | 6,608.20            | 6,591.80            | 33.34           | 228.97      | -47.59                | -874.69                           | -738.37    | 2,311.06             | 2,050.99              | 260.08                  | 8.886             |                    |         |
| 6,800.00                                | 6,658.14            | 6,639.14            | 6,639.14            | 33.53           | 230.05      | -45.68                | -874.69                           | -738.37    | 2,299.70             | 2,038.39              | 261.31                  | 8.801             |                    |         |
| 6,850.00                                | 6,704.11            | 6,685.11            | 6,685.11            | 33.74           | 231.66      | -45.01                | -874.69                           | -738.37    | 2,285.30             | 2,022.23              | 263.06                  | 8.687             |                    |         |
| 6,900.00                                | 6,748.42            | 6,729.42            | 6,729.42            | 33.97           | 233.20      | -45.15                | -874.69                           | -738.37    | 2,267.98             | 2,003.23              | 264.75                  | 8.566             |                    |         |
| 6,950.00                                | 6,790.79            | 6,771.79            | 6,771.79            | 34.21           | 234.68      | -45.91                | -874.69                           | -738.37    | 2,247.89             | 1,981.51              | 266.37                  | 8.439             |                    |         |
| 7,000.00                                | 6,830.97            | 6,811.97            | 6,811.97            | 34.48           | 236.08      | -47.21                | -874.69                           | -738.37    | 2,225.20             | 1,957.28              | 267.92                  | 8.306             |                    |         |
| 7,050.00                                | 6,868.71            | 6,849.71            | 6,849.71            | 34.77           | 237.40      | -48.99                | -874.69                           | -738.37    | 2,200.09             | 1,930.71              | 269.38                  | 8.167             |                    |         |
| 7,100.00                                | 6,903.77            | 6,884.77            | 6,884.77            | 35.09           | 238.62      | -51.25                | -874.69                           | -738.37    | 2,172.78             | 1,902.01              | 270.77                  | 8.025             |                    |         |
| 7,150.00                                | 6,935.93            | 6,916.93            | 6,916.93            | 35.44           | 239.75      | -53.96                | -874.69                           | -738.37    | 2,143.49             | 1,871.42              | 272.07                  | 7.879             |                    |         |
| 7,200.00                                | 6,965.01            | 6,946.01            | 6,946.01            | 35.83           | 240.76      | -57.13                | -874.69                           | -738.37    | 2,112.45             | 1,839.17              | 273.28                  | 7.730             |                    |         |
| 7,250.00                                | 6,990.82            | 6,971.82            | 6,971.82            | 36.26           | 241.66      | -60.74                | -874.69                           | -738.37    | 2,079.92             | 1,805.51              | 274.41                  | 7.580             |                    |         |
| 7,300.00                                | 7,013.20            | 7,005.80            | 6,994.20            | 36.72           | 242.85      | -64.75                | -874.69                           | -738.37    | 2,046.16             | 1,770.30              | 275.85                  | 7.418             |                    |         |
| 7,350.00                                | 7,032.02            | 7,013.02            | 7,013.02            | 37.23           | 243.10      | -69.11                | -874.69                           | -738.37    | 2,011.43             | 1,735.03              | 276.40                  | 7.277             |                    |         |
| 7,400.00                                | 7,047.15            | 7,028.15            | 7,028.15            | 37.77           | 243.63      | -73.74                | -874.69                           | -738.37    | 1,976.01             | 1,698.74              | 277.27                  | 7.127             |                    |         |
| 7,450.00                                | 7,058.51            | 7,039.51            | 7,039.51            | 38.34           | 244.03      | -78.52                | -874.69                           | -738.37    | 1,940.17             | 1,662.12              | 278.05                  | 6.978             |                    |         |
| 7,500.00                                | 7,066.02            | 7,047.02            | 7,047.02            | 38.95           | 244.29      | -83.33                | -874.69                           | -738.37    | 1,904.19             | 1,625.44              | 278.75                  | 6.831             |                    |         |
| 7,550.00                                | 7,069.64            | 7,050.64            | 7,050.64            | 39.58           | 244.41      | -88.05                | -874.69                           | -738.37    | 1,868.32             | 1,588.97              | 279.35                  | 6.688             |                    |         |
| 7,571.20                                | 7,070.00            | 7,051.00            | 7,051.00            | 39.85           | 244.43      | -89.99                | -874.69                           | -738.37    | 1,853.22             | 1,573.64              | 279.58                  | 6.629             |                    |         |
| 7,600.00                                | 7,070.00            | 7,051.00            | 7,051.00            | 40.23           | 244.43      | -89.99                | -874.69                           | -738.37    | 1,832.86             | 1,552.97              | 279.89                  | 6.548             |                    |         |
| 7,700.00                                | 7,070.01            | 7,051.01            | 7,051.01            | 41.64           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,764.00             | 1,482.88              | 281.12                  | 6.275             |                    |         |
| 7,800.00                                | 7,070.02            | 7,051.02            | 7,051.02            | 43.20           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,698.25             | 1,415.65              | 282.59                  | 6.009             |                    |         |
| 7,900.00                                | 7,070.03            | 7,051.03            | 7,051.03            | 44.89           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,635.97             | 1,351.64              | 284.33                  | 5.754             |                    |         |
| 8,000.00                                | 7,070.04            | 7,051.04            | 7,051.04            | 46.69           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,577.57             | 1,291.25              | 286.32                  | 5.510             |                    |         |
| 8,100.00                                | 7,070.05            | 7,051.05            | 7,051.05            | 48.60           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,523.51             | 1,234.93              | 288.58                  | 5.279             |                    |         |
| 8,200.00                                | 7,070.05            | 7,051.05            | 7,051.05            | 50.59           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,474.25             | 1,183.19              | 291.06                  | 5.065             |                    |         |
| 8,300.00                                | 7,070.06            | 7,051.06            | 7,051.06            | 52.66           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,430.30             | 1,136.54              | 293.75                  | 4.869             |                    |         |
| 8,400.00                                | 7,070.07            | 7,051.07            | 7,051.07            | 54.81           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,392.15             | 1,095.55              | 296.60                  | 4.694             |                    |         |
| 8,500.00                                | 7,070.08            | 7,051.08            | 7,051.08            | 57.02           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,360.31             | 1,060.76              | 299.55                  | 4.541             |                    |         |
| 8,600.00                                | 7,070.09            | 7,051.09            | 7,051.09            | 59.28           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,335.20             | 1,032.69              | 302.52                  | 4.414             |                    |         |
| 8,700.00                                | 7,070.10            | 7,051.10            | 7,051.10            | 61.60           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,317.24             | 1,011.80              | 305.43                  | 4.313             |                    |         |
| 8,800.00                                | 7,070.11            | 7,051.11            | 7,051.11            | 63.95           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,306.69             | 998.48                | 308.21                  | 4.240             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,888.30                                | 7,070.12            | 7,051.12            | 7,051.12            | 66.07           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,303.71             | 993.21                | 310.50                  | 4.199             |                    |         |
| 8,900.00                                | 7,070.12            | 7,051.12            | 7,051.12            | 66.35           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,303.76             | 992.98                | 310.78                  | 4.195 ES          |                    |         |
| 9,000.00                                | 7,070.13            | 7,051.13            | 7,051.13            | 68.79           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,308.48             | 995.41                | 313.08                  | 4.179 SF          |                    |         |
| 9,100.00                                | 7,070.13            | 7,051.13            | 7,051.13            | 71.25           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,320.78             | 1,005.73              | 315.06                  | 4.192             |                    |         |
| 9,200.00                                | 7,070.14            | 7,051.14            | 7,051.14            | 73.74           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,340.45             | 1,023.76              | 316.69                  | 4.233             |                    |         |
| 9,300.00                                | 7,070.15            | 7,051.15            | 7,051.15            | 76.26           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,367.17             | 1,049.19              | 317.98                  | 4.300             |                    |         |
| 9,400.00                                | 7,070.16            | 7,051.16            | 7,051.16            | 78.80           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,400.53             | 1,081.60              | 318.94                  | 4.391             |                    |         |
| 9,500.00                                | 7,070.17            | 7,051.17            | 7,051.17            | 81.37           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,440.08             | 1,120.49              | 319.59                  | 4.506             |                    |         |
| 9,600.00                                | 7,070.18            | 7,051.18            | 7,051.18            | 83.95           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,485.32             | 1,165.35              | 319.97                  | 4.642             |                    |         |
| 9,700.00                                | 7,070.19            | 7,051.19            | 7,051.19            | 86.55           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,535.74             | 1,215.63              | 320.11                  | 4.797             |                    |         |
| 9,800.00                                | 7,070.20            | 7,051.20            | 7,051.20            | 89.17           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,590.86             | 1,270.79              | 320.07                  | 4.970             |                    |         |
| 9,900.00                                | 7,070.21            | 7,051.21            | 7,051.21            | 91.80           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,650.21             | 1,330.34              | 319.87                  | 5.159             |                    |         |
| 10,000.00                               | 7,070.21            | 7,051.21            | 7,051.21            | 94.44           | 244.43      | -90.00                | -874.69                           | -738.37    | 1,713.34             | 1,393.78              | 319.56                  | 5.362             |                    |         |
| 10,100.00                               | 7,070.22            | 7,051.22            | 7,051.22            | 97.10           | 244.44      | -90.00                | -874.69                           | -738.37    | 1,779.85             | 1,460.70              | 319.15                  | 5.577             |                    |         |
| 10,200.00                               | 7,070.23            | 7,051.23            | 7,051.23            | 99.77           | 244.44      | -90.01                | -874.69                           | -738.37    | 1,849.38             | 1,530.71              | 318.67                  | 5.803             |                    |         |
| 10,300.00                               | 7,070.24            | 7,051.24            | 7,051.24            | 102.44          | 244.44      | -90.01                | -874.69                           | -738.37    | 1,921.60             | 1,603.45              | 318.15                  | 6.040             |                    |         |
| 10,400.00                               | 7,070.25            | 7,051.25            | 7,051.25            | 105.13          | 244.44      | -90.01                | -874.69                           | -738.37    | 1,996.22             | 1,678.62              | 317.60                  | 6.285             |                    |         |
| 10,500.00                               | 7,070.26            | 7,051.26            | 7,051.26            | 107.83          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,072.98             | 1,755.95              | 317.03                  | 6.539             |                    |         |
| 10,600.00                               | 7,070.27            | 7,051.27            | 7,051.27            | 110.53          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,151.64             | 1,835.20              | 316.45                  | 6.799             |                    |         |
| 10,700.00                               | 7,070.28            | 7,051.28            | 7,051.28            | 113.24          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,232.02             | 1,916.15              | 315.87                  | 7.066             |                    |         |
| 10,800.00                               | 7,070.28            | 7,051.28            | 7,051.28            | 115.96          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,313.93             | 1,998.63              | 315.30                  | 7.339             |                    |         |
| 10,900.00                               | 7,070.29            | 7,051.29            | 7,051.29            | 118.69          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,397.21             | 2,082.47              | 314.74                  | 7.617             |                    |         |
| 11,000.00                               | 7,070.30            | 7,051.30            | 7,051.30            | 121.42          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,481.72             | 2,167.53              | 314.19                  | 7.899             |                    |         |
| 11,100.00                               | 7,070.31            | 7,051.31            | 7,051.31            | 124.16          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,567.35             | 2,253.69              | 313.66                  | 8.185             |                    |         |
| 11,200.00                               | 7,070.32            | 7,051.32            | 7,051.32            | 126.90          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,653.98             | 2,340.84              | 313.14                  | 8.475             |                    |         |
| 11,300.00                               | 7,070.33            | 7,051.33            | 7,051.33            | 129.65          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,741.52             | 2,428.88              | 312.65                  | 8.769             |                    |         |
| 11,400.00                               | 7,070.34            | 7,051.34            | 7,051.34            | 132.40          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,829.89             | 2,517.72              | 312.17                  | 9.065             |                    |         |
| 11,500.00                               | 7,070.35            | 7,051.35            | 7,051.35            | 135.16          | 244.44      | -90.01                | -874.69                           | -738.37    | 2,919.01             | 2,607.30              | 311.71                  | 9.364             |                    |         |
| 11,600.00                               | 7,070.36            | 7,051.36            | 7,051.36            | 137.92          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,008.82             | 2,697.55              | 311.27                  | 9.666             |                    |         |
| 11,700.00                               | 7,070.36            | 7,051.36            | 7,051.36            | 140.69          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,099.24             | 2,788.40              | 310.85                  | 9.970             |                    |         |
| 11,800.00                               | 7,070.37            | 7,051.37            | 7,051.37            | 143.46          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,190.24             | 2,879.80              | 310.44                  | 10.276            |                    |         |
| 11,900.00                               | 7,070.38            | 7,051.38            | 7,051.38            | 146.23          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,281.77             | 2,971.71              | 310.06                  | 10.584            |                    |         |
| 12,000.00                               | 7,070.39            | 7,051.39            | 7,051.39            | 149.01          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,373.77             | 3,064.08              | 309.69                  | 10.894            |                    |         |
| 12,100.00                               | 7,070.40            | 7,051.40            | 7,051.40            | 151.79          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,466.22             | 3,156.88              | 309.34                  | 11.205            |                    |         |
| 12,200.00                               | 7,070.41            | 7,051.41            | 7,051.41            | 154.57          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,559.07             | 3,250.08              | 309.00                  | 11.518            |                    |         |
| 12,300.00                               | 7,070.42            | 7,051.42            | 7,051.42            | 157.35          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,652.31             | 3,343.63              | 308.68                  | 11.832            |                    |         |
| 12,400.00                               | 7,070.43            | 7,051.43            | 7,051.43            | 160.14          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,745.89             | 3,437.52              | 308.37                  | 12.147            |                    |         |
| 12,500.00                               | 7,070.44            | 7,051.44            | 7,051.44            | 162.93          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,839.80             | 3,531.72              | 308.07                  | 12.464            |                    |         |
| 12,600.00                               | 7,070.44            | 7,051.44            | 7,051.44            | 165.72          | 244.44      | -90.01                | -874.69                           | -738.37    | 3,934.00             | 3,626.21              | 307.79                  | 12.781            |                    |         |
| 12,700.00                               | 7,070.45            | 7,051.45            | 7,051.45            | 168.52          | 244.44      | -90.01                | -874.69                           | -738.37    | 4,028.49             | 3,720.96              | 307.52                  | 13.100            |                    |         |
| 12,800.00                               | 7,070.46            | 7,051.46            | 7,051.46            | 171.32          | 244.44      | -90.02                | -874.69                           | -738.37    | 4,123.23             | 3,815.97              | 307.27                  | 13.419            |                    |         |
| 12,900.00                               | 7,070.47            | 7,051.47            | 7,051.47            | 174.11          | 244.44      | -90.02                | -874.69                           | -738.37    | 4,218.22             | 3,911.20              | 307.02                  | 13.739            |                    |         |
| 13,000.00                               | 7,070.48            | 7,051.48            | 7,051.48            | 176.92          | 244.44      | -90.02                | -874.69                           | -738.37    | 4,313.44             | 4,006.65              | 306.79                  | 14.060            |                    |         |
| 13,100.00                               | 7,070.49            | 7,051.49            | 7,051.49            | 179.72          | 244.44      | -90.02                | -874.69                           | -738.37    | 4,408.86             | 4,102.30              | 306.57                  | 14.381            |                    |         |
| 13,200.00                               | 7,070.50            | 7,051.50            | 7,051.50            | 182.52          | 244.44      | -90.02                | -874.69                           | -738.37    | 4,504.49             | 4,198.14              | 306.35                  | 14.704            |                    |         |
| 13,300.00                               | 7,070.51            | 7,051.51            | 7,051.51            | 185.33          | 244.45      | -90.02                | -874.69                           | -738.37    | 4,600.30             | 4,294.15              | 306.15                  | 15.026            |                    |         |
| 13,400.00                               | 7,070.52            | 7,051.52            | 7,051.52            | 188.14          | 244.45      | -90.02                | -874.69                           | -738.37    | 4,696.29             | 4,390.33              | 305.96                  | 15.350            |                    |         |
| 13,500.00                               | 7,070.52            | 7,051.52            | 7,051.52            | 190.95          | 244.45      | -90.02                | -874.69                           | -738.37    | 4,792.44             | 4,486.66              | 305.77                  | 15.673            |                    |         |
| 13,600.00                               | 7,070.53            | 7,051.53            | 7,051.53            | 193.76          | 244.45      | -90.02                | -874.69                           | -738.37    | 4,888.74             | 4,583.15              | 305.59                  | 15.998            |                    |         |
| 13,700.00                               | 7,070.54            | 7,051.54            | 7,051.54            | 196.57          | 244.45      | -90.02                | -874.69                           | -738.37    | 4,985.19             | 4,679.77              | 305.42                  | 16.322            |                    |         |
| 13,800.00                               | 7,070.55            | 7,051.55            | 7,051.55            | 199.38          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,081.78             | 4,776.51              | 305.26                  | 16.647            |                    |         |
| 13,900.00                               | 7,070.56            | 7,051.56            | 7,051.56            | 202.20          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,178.49             | 4,873.38              | 305.11                  | 16.973            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,051.57            | 7,051.57            | 205.01          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,275.33             | 4,970.37              | 304.96                  | 17.298            |                    |         |
| 14,100.00                               | 7,070.58            | 7,051.58            | 7,051.58            | 207.83          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,372.29             | 5,067.46              | 304.82                  | 17.624            |                    |         |
| 14,200.00                               | 7,070.59            | 7,051.59            | 7,051.59            | 210.65          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,469.35             | 5,164.66              | 304.69                  | 17.951            |                    |         |
| 14,300.00                               | 7,070.60            | 7,051.60            | 7,051.60            | 213.47          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,566.52             | 5,261.96              | 304.56                  | 18.277            |                    |         |
| 14,400.00                               | 7,070.60            | 7,051.60            | 7,051.60            | 216.29          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,663.79             | 5,359.35              | 304.44                  | 18.604            |                    |         |
| 14,500.00                               | 7,070.61            | 7,051.61            | 7,051.61            | 219.11          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,761.15             | 5,456.82              | 304.33                  | 18.931            |                    |         |
| 14,600.00                               | 7,070.62            | 7,051.62            | 7,051.62            | 221.94          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,858.60             | 5,554.38              | 304.22                  | 19.258            |                    |         |
| 14,700.00                               | 7,070.63            | 7,051.63            | 7,051.63            | 224.76          | 244.45      | -90.02                | -874.69                           | -738.37    | 5,956.13             | 5,652.02              | 304.11                  | 19.585            |                    |         |
| 14,800.00                               | 7,070.64            | 7,051.64            | 7,051.64            | 227.58          | 244.45      | -90.02                | -874.69                           | -738.37    | 6,053.75             | 5,749.73              | 304.01                  | 19.913            |                    |         |
| 14,900.00                               | 7,070.65            | 7,051.65            | 7,051.65            | 230.41          | 244.45      | -90.02                | -874.69                           | -738.37    | 6,151.44             | 5,847.52              | 303.92                  | 20.240            |                    |         |
| 15,000.00                               | 7,070.66            | 7,051.66            | 7,051.66            | 233.24          | 244.45      | -90.02                | -874.69                           | -738.37    | 6,249.20             | 5,945.37              | 303.83                  | 20.568            |                    |         |
| 15,100.00                               | 7,070.67            | 7,051.67            | 7,051.67            | 236.06          | 244.45      | -90.02                | -874.69                           | -738.37    | 6,347.04             | 6,043.29              | 303.74                  | 20.896            |                    |         |
| 15,200.00                               | 7,070.68            | 7,051.68            | 7,051.68            | 238.89          | 244.45      | -90.02                | -874.69                           | -738.37    | 6,444.94             | 6,141.27              | 303.66                  | 21.224            |                    |         |
| 15,300.00                               | 7,070.68            | 7,051.68            | 7,051.68            | 241.72          | 244.45      | -90.03                | -874.69                           | -738.37    | 6,542.90             | 6,239.31              | 303.59                  | 21.552            |                    |         |
| 15,400.00                               | 7,070.69            | 7,051.69            | 7,051.69            | 244.55          | 244.45      | -90.03                | -874.69                           | -738.37    | 6,640.93             | 6,337.41              | 303.52                  | 21.880            |                    |         |
| 15,500.00                               | 7,070.70            | 7,051.70            | 7,051.70            | 247.38          | 244.45      | -90.03                | -874.69                           | -738.37    | 6,739.01             | 6,435.56              | 303.45                  | 22.208            |                    |         |
| 15,600.00                               | 7,070.71            | 7,051.71            | 7,051.71            | 250.21          | 244.45      | -90.03                | -874.69                           | -738.37    | 6,837.15             | 6,533.76              | 303.38                  | 22.536            |                    |         |
| 15,700.00                               | 7,070.72            | 7,051.72            | 7,051.72            | 253.04          | 244.45      | -90.03                | -874.69                           | -738.37    | 6,935.34             | 6,632.01              | 303.32                  | 22.864            |                    |         |
| 15,800.00                               | 7,070.73            | 7,051.73            | 7,051.73            | 255.87          | 244.45      | -90.03                | -874.69                           | -738.37    | 7,033.58             | 6,730.31              | 303.27                  | 23.193            |                    |         |
| 15,900.00                               | 7,070.74            | 7,051.74            | 7,051.74            | 258.71          | 244.45      | -90.03                | -874.69                           | -738.37    | 7,131.87             | 6,828.66              | 303.21                  | 23.521            |                    |         |
| 16,000.00                               | 7,070.75            | 7,051.75            | 7,051.75            | 261.54          | 244.45      | -90.03                | -874.69                           | -738.37    | 7,230.21             | 6,927.05              | 303.16                  | 23.849            |                    |         |
| 16,100.00                               | 7,070.76            | 7,051.76            | 7,051.76            | 264.37          | 244.45      | -90.03                | -874.69                           | -738.37    | 7,328.59             | 7,025.48              | 303.12                  | 24.177            |                    |         |
| 16,200.00                               | 7,070.76            | 7,051.76            | 7,051.76            | 267.21          | 244.45      | -90.03                | -874.69                           | -738.37    | 7,427.02             | 7,123.94              | 303.07                  | 24.506            |                    |         |
| 16,300.00                               | 7,070.77            | 7,051.77            | 7,051.77            | 270.04          | 244.45      | -90.03                | -874.69                           | -738.37    | 7,525.49             | 7,222.45              | 303.03                  | 24.834            |                    |         |
| 16,400.00                               | 7,070.78            | 7,051.78            | 7,051.78            | 272.88          | 244.45      | -90.03                | -874.69                           | -738.37    | 7,623.99             | 7,321.00              | 303.00                  | 25.162            |                    |         |
| 16,500.00                               | 7,070.79            | 7,051.79            | 7,051.79            | 275.71          | 244.46      | -90.03                | -874.69                           | -738.37    | 7,722.54             | 7,419.58              | 302.96                  | 25.490            |                    |         |
| 16,600.00                               | 7,070.80            | 7,051.80            | 7,051.80            | 278.55          | 244.46      | -90.03                | -874.69                           | -738.37    | 7,821.12             | 7,518.19              | 302.93                  | 25.818            |                    |         |
| 16,700.00                               | 7,070.81            | 7,051.81            | 7,051.81            | 281.39          | 244.46      | -90.03                | -874.69                           | -738.37    | 7,919.74             | 7,616.84              | 302.90                  | 26.146            |                    |         |
| 16,800.00                               | 7,070.82            | 7,051.82            | 7,051.82            | 284.22          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,018.40             | 7,715.52              | 302.88                  | 26.474            |                    |         |
| 16,900.00                               | 7,070.83            | 7,051.83            | 7,051.83            | 287.06          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,117.08             | 7,814.23              | 302.86                  | 26.802            |                    |         |
| 17,000.00                               | 7,070.84            | 7,051.84            | 7,051.84            | 289.90          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,215.80             | 7,912.96              | 302.83                  | 27.130            |                    |         |
| 17,100.00                               | 7,070.84            | 7,051.84            | 7,051.84            | 292.74          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,314.55             | 8,011.73              | 302.82                  | 27.457            |                    |         |
| 17,200.00                               | 7,070.85            | 7,051.85            | 7,051.85            | 295.58          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,413.32             | 8,110.52              | 302.80                  | 27.785            |                    |         |
| 17,300.00                               | 7,070.86            | 7,051.86            | 7,051.86            | 298.42          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,512.13             | 8,209.34              | 302.79                  | 28.113            |                    |         |
| 17,400.00                               | 7,070.87            | 7,051.87            | 7,051.87            | 301.26          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,610.96             | 8,308.19              | 302.78                  | 28.440            |                    |         |
| 17,500.00                               | 7,070.88            | 7,051.88            | 7,051.88            | 304.10          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,709.82             | 8,407.06              | 302.77                  | 28.767            |                    |         |
| 17,600.00                               | 7,070.89            | 7,051.89            | 7,051.89            | 306.94          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,808.71             | 8,505.95              | 302.76                  | 29.095            |                    |         |
| 17,700.00                               | 7,070.90            | 7,051.90            | 7,051.90            | 309.78          | 244.46      | -90.03                | -874.69                           | -738.37    | 8,907.62             | 8,604.86              | 302.76                  | 29.422            |                    |         |
| 17,800.00                               | 7,070.91            | 7,051.91            | 7,051.91            | 312.62          | 244.46      | -90.03                | -874.69                           | -738.37    | 9,006.56             | 8,703.80              | 302.76                  | 29.749            |                    |         |
| 17,900.00                               | 7,070.92            | 7,051.92            | 7,051.92            | 315.46          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,105.51             | 8,802.76              | 302.76                  | 30.075            |                    |         |
| 18,000.00                               | 7,070.92            | 7,051.92            | 7,051.92            | 318.31          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,204.50             | 8,901.74              | 302.76                  | 30.402            |                    |         |
| 18,100.00                               | 7,070.93            | 7,051.93            | 7,051.93            | 321.15          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,303.50             | 9,000.74              | 302.76                  | 30.729            |                    |         |
| 18,200.00                               | 7,070.94            | 7,051.94            | 7,051.94            | 323.99          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,402.52             | 9,099.76              | 302.77                  | 31.055            |                    |         |
| 18,300.00                               | 7,070.95            | 7,051.95            | 7,051.95            | 326.83          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,501.57             | 9,198.79              | 302.77                  | 31.382            |                    |         |
| 18,400.00                               | 7,070.96            | 7,051.96            | 7,051.96            | 329.68          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,600.63             | 9,297.85              | 302.78                  | 31.708            |                    |         |
| 18,500.00                               | 7,070.97            | 7,051.97            | 7,051.97            | 332.52          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,699.71             | 9,396.92              | 302.80                  | 32.034            |                    |         |
| 18,600.00                               | 7,070.98            | 7,051.98            | 7,051.98            | 335.36          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,798.82             | 9,496.01              | 302.81                  | 32.360            |                    |         |
| 18,700.00                               | 7,070.99            | 7,051.99            | 7,051.99            | 338.21          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,897.94             | 9,595.11              | 302.82                  | 32.686            |                    |         |
| 18,800.00                               | 7,070.99            | 7,051.99            | 7,051.99            | 341.05          | 244.46      | -90.04                | -874.69                           | -738.37    | 9,997.07             | 9,694.23              | 302.84                  | 33.011            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -73.54                | 122.40                            | -414.36    | 432.40               |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 81.01               | 81.01               | 3.28            | 3.28        | -73.48                | 122.89                            | -414.41    | 432.25               | 425.68                | 6.57                    | 65.794            |                    |         |
| 200.00                      | 200.00              | 181.58              | 181.57              | 3.34            | 3.33        | -73.32                | 124.17                            | -414.52    | 432.72               | 426.05                | 6.67                    | 64.906            |                    |         |
| 300.00                      | 300.00              | 281.81              | 281.80              | 3.44            | 3.43        | -73.22                | 125.04                            | -414.55    | 433.00               | 426.13                | 6.87                    | 62.990            |                    |         |
| 400.00                      | 399.98              | 381.20              | 381.18              | 3.60            | 3.58        | -145.73               | 125.78                            | -414.67    | 434.78               | 427.60                | 7.18                    | 60.580            |                    |         |
| 500.00                      | 499.84              | 481.77              | 481.75              | 3.80            | 3.77        | -145.98               | 126.57                            | -414.82    | 439.47               | 431.90                | 7.57                    | 58.067            |                    |         |
| 600.00                      | 599.45              | 581.15              | 581.13              | 4.04            | 3.99        | -146.44               | 127.20                            | -414.89    | 446.97               | 438.93                | 8.03                    | 55.634            |                    |         |
| 700.00                      | 698.70              | 679.30              | 679.28              | 4.32            | 4.25        | -147.10               | 127.75                            | -415.14    | 457.58               | 449.02                | 8.56                    | 53.447            |                    |         |
| 800.00                      | 797.47              | 778.24              | 778.21              | 4.63            | 4.53        | -147.93               | 128.36                            | -415.53    | 471.36               | 462.21                | 9.15                    | 51.540            |                    |         |
| 900.00                      | 895.62              | 874.81              | 874.78              | 4.97            | 4.83        | -148.87               | 128.83                            | -416.00    | 488.27               | 478.50                | 9.77                    | 49.981            |                    |         |
| 924.00                      | 919.08              | 897.72              | 897.69              | 5.06            | 4.90        | -149.12               | 128.94                            | -416.17    | 492.86               | 482.93                | 9.93                    | 49.647            |                    |         |
| 1,000.00                    | 993.28              | 972.09              | 972.05              | 5.34            | 5.14        | -150.04               | 129.29                            | -416.75    | 507.76               | 497.33                | 10.43                   | 48.678            |                    |         |
| 1,100.00                    | 1,090.92            | 1,070.59            | 1,070.55            | 5.73            | 5.47        | -151.18               | 129.73                            | -417.42    | 527.43               | 516.31                | 11.12                   | 47.419            |                    |         |
| 1,200.00                    | 1,188.56            | 1,166.45            | 1,166.41            | 6.15            | 5.81        | -152.23               | 130.04                            | -418.05    | 547.26               | 535.43                | 11.83                   | 46.258            |                    |         |
| 1,300.00                    | 1,286.19            | 1,264.30            | 1,264.25            | 6.57            | 6.16        | -153.23               | 130.41                            | -418.99    | 567.56               | 554.99                | 12.57                   | 45.160            |                    |         |
| 1,400.00                    | 1,383.83            | 1,362.19            | 1,362.15            | 7.01            | 6.51        | -154.18               | 130.45                            | -419.76    | 587.79               | 574.47                | 13.32                   | 44.118            |                    |         |
| 1,500.00                    | 1,481.47            | 1,459.03            | 1,458.98            | 7.46            | 6.88        | -155.04               | 130.78                            | -420.54    | 608.23               | 594.14                | 14.09                   | 43.172            |                    |         |
| 1,600.00                    | 1,579.10            | 1,558.97            | 1,558.92            | 7.91            | 7.25        | -155.88               | 130.91                            | -421.34    | 628.77               | 613.89                | 14.88                   | 42.249            |                    |         |
| 1,700.00                    | 1,676.74            | 1,658.89            | 1,658.84            | 8.37            | 7.64        | -156.68               | 130.95                            | -421.58    | 648.87               | 633.18                | 15.69                   | 41.363            |                    |         |
| 1,800.00                    | 1,774.38            | 1,757.03            | 1,756.97            | 8.84            | 8.02        | -157.43               | 130.80                            | -421.69    | 668.94               | 652.45                | 16.49                   | 40.563            |                    |         |
| 1,900.00                    | 1,872.02            | 1,854.73            | 1,854.68            | 9.31            | 8.40        | -158.13               | 130.60                            | -421.75    | 689.05               | 671.75                | 17.30                   | 39.828            |                    |         |
| 2,000.00                    | 1,969.65            | 1,951.60            | 1,951.54            | 9.79            | 8.78        | -158.81               | 130.22                            | -421.86    | 709.30               | 691.19                | 18.11                   | 39.162            |                    |         |
| 2,100.00                    | 2,067.29            | 2,047.57            | 2,047.51            | 10.27           | 9.16        | -159.45               | 129.66                            | -422.13    | 729.80               | 710.88                | 18.92                   | 38.564            |                    |         |
| 2,200.00                    | 2,164.93            | 2,143.43            | 2,143.36            | 10.75           | 9.54        | -160.13               | 128.34                            | -422.67    | 750.64               | 730.90                | 19.74                   | 38.024            |                    |         |
| 2,300.00                    | 2,262.56            | 2,239.30            | 2,239.21            | 11.24           | 9.93        | -160.81               | 126.44                            | -423.39    | 771.75               | 751.18                | 20.56                   | 37.532            |                    |         |
| 2,400.00                    | 2,360.20            | 2,334.63            | 2,334.51            | 11.73           | 10.32       | -161.46               | 124.40                            | -424.35    | 793.19               | 771.81                | 21.38                   | 37.093            |                    |         |
| 2,500.00                    | 2,457.84            | 2,428.88            | 2,428.73            | 12.22           | 10.70       | -162.08               | 122.34                            | -425.52    | 814.98               | 792.78                | 22.20                   | 36.708            |                    |         |
| 2,600.00                    | 2,555.48            | 2,521.50            | 2,521.31            | 12.71           | 11.08       | -162.64               | 120.41                            | -427.21    | 837.41               | 814.40                | 23.01                   | 36.392            |                    |         |
| 2,700.00                    | 2,653.11            | 2,618.56            | 2,618.34            | 13.20           | 11.48       | -163.19               | 118.67                            | -429.17    | 860.11               | 836.26                | 23.85                   | 36.060            |                    |         |
| 2,800.00                    | 2,750.75            | 2,714.86            | 2,714.61            | 13.70           | 11.88       | -163.69               | 117.19                            | -431.18    | 882.94               | 858.25                | 24.69                   | 35.760            |                    |         |
| 2,900.00                    | 2,848.39            | 2,811.99            | 2,811.71            | 14.19           | 12.28       | -164.16               | 115.79                            | -433.26    | 905.87               | 880.34                | 25.54                   | 35.473            |                    |         |
| 3,000.00                    | 2,946.02            | 2,911.08            | 2,910.77            | 14.69           | 12.69       | -164.61               | 114.41                            | -435.25    | 928.75               | 902.35                | 26.40                   | 35.181            |                    |         |
| 3,100.00                    | 3,043.66            | 3,010.67            | 3,010.33            | 15.19           | 13.10       | -165.03               | 113.31                            | -437.04    | 951.44               | 924.17                | 27.27                   | 34.893            |                    |         |
| 3,200.00                    | 3,141.30            | 3,110.87            | 3,110.52            | 15.69           | 13.51       | -165.41               | 112.48                            | -438.57    | 973.90               | 945.76                | 28.14                   | 34.607            |                    |         |
| 3,300.00                    | 3,238.94            | 3,211.64            | 3,211.28            | 16.19           | 13.93       | -165.78               | 111.57                            | -439.77    | 996.07               | 967.05                | 29.02                   | 34.322            |                    |         |
| 3,400.00                    | 3,336.57            | 3,305.21            | 3,304.83            | 16.69           | 14.32       | -166.11               | 110.84                            | -440.96    | 1,018.36             | 988.51                | 29.85                   | 34.114            |                    |         |
| 3,500.00                    | 3,434.21            | 3,407.97            | 3,407.59            | 17.19           | 14.75       | -166.43               | 110.30                            | -442.14    | 1,040.54             | 1,009.79              | 30.75                   | 33.840            |                    |         |
| 3,600.00                    | 3,531.85            | 3,506.28            | 3,505.89            | 17.69           | 15.16       | -166.73               | 109.80                            | -442.99    | 1,062.47             | 1,030.85              | 31.62                   | 33.605            |                    |         |
| 3,700.00                    | 3,629.48            | 3,596.60            | 3,596.21            | 18.20           | 15.54       | -166.99               | 109.48                            | -444.05    | 1,084.71             | 1,052.28              | 32.43                   | 33.451            |                    |         |
| 3,800.00                    | 3,727.12            | 3,697.55            | 3,697.15            | 18.70           | 15.96       | -167.24               | 109.52                            | -445.43    | 1,107.12             | 1,073.80              | 33.32                   | 33.231            |                    |         |
| 3,900.00                    | 3,824.76            | 3,797.20            | 3,796.79            | 19.21           | 16.38       | -167.46               | 109.91                            | -446.53    | 1,129.27             | 1,095.08              | 34.20                   | 33.023            |                    |         |
| 4,000.00                    | 3,922.40            | 3,896.54            | 3,896.12            | 19.71           | 16.80       | -167.66               | 110.66                            | -447.49    | 1,151.27             | 1,116.19              | 35.07                   | 32.823            |                    |         |
| 4,100.00                    | 4,020.03            | 3,989.16            | 3,988.74            | 20.21           | 17.19       | -167.83               | 111.46                            | -448.50    | 1,173.39             | 1,137.48              | 35.91                   | 32.680            |                    |         |
| 4,200.00                    | 4,117.67            | 4,085.00            | 4,084.56            | 20.72           | 17.59       | -168.00               | 112.17                            | -449.82    | 1,195.81             | 1,159.05              | 36.76                   | 32.529            |                    |         |
| 4,300.00                    | 4,215.31            | 4,185.79            | 4,185.34            | 21.23           | 18.02       | -168.18               | 112.89                            | -451.15    | 1,218.18             | 1,180.53              | 37.65                   | 32.353            |                    |         |
| 4,400.00                    | 4,312.94            | 4,286.95            | 4,286.50            | 21.73           | 18.44       | -168.37               | 113.24                            | -452.11    | 1,240.25             | 1,201.70              | 38.55                   | 32.173            |                    |         |
| 4,500.00                    | 4,410.58            | 4,381.41            | 4,380.95            | 22.24           | 18.84       | -168.55               | 113.46                            | -452.94    | 1,262.27             | 1,222.88              | 39.40                   | 32.041            |                    |         |
| 4,600.00                    | 4,508.22            | 4,480.75            | 4,480.29            | 22.75           | 19.26       | -168.73               | 113.67                            | -453.93    | 1,284.43             | 1,244.15              | 40.28                   | 31.888            |                    |         |
| 4,700.00                    | 4,605.86            | 4,574.82            | 4,574.36            | 23.25           | 19.66       | -168.90               | 113.79                            | -454.83    | 1,306.55             | 1,265.43              | 41.12                   | 31.770            |                    |         |
| 4,800.00                    | 4,703.49            | 4,671.58            | 4,671.10            | 23.76           | 20.07       | -169.09               | 113.28                            | -455.92    | 1,328.94             | 1,286.95              | 41.99                   | 31.649            |                    |         |
| 4,900.00                    | 4,801.13            | 4,766.89            | 4,766.41            | 24.27           | 20.47       | -169.28               | 112.60                            | -456.99    | 1,351.35             | 1,308.51              | 42.85                   | 31.540            |                    |         |
| 5,000.00                    | 4,898.77            | 4,862.31            | 4,861.81            | 24.77           | 20.87       | -169.48               | 111.70                            | -458.22    | 1,373.98             | 1,330.28              | 43.70                   | 31.440            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                    | 4,996.40            | 4,956.82            | 4,956.31            | 25.28           | 21.27       | -169.68               | 110.61                            | -459.54    | 1,396.74             | 1,352.19              | 44.55                   | 31.351            |                    |         |
| 5,200.00                    | 5,094.04            | 5,055.60            | 5,055.06            | 25.79           | 21.69       | -169.88               | 109.40                            | -461.06    | 1,419.67             | 1,374.24              | 45.43                   | 31.247            |                    |         |
| 5,300.00                    | 5,191.68            | 5,153.60            | 5,153.05            | 26.30           | 22.11       | -170.07               | 108.12                            | -462.31    | 1,442.37             | 1,396.06              | 46.31                   | 31.145            |                    |         |
| 5,400.00                    | 5,289.32            | 5,257.76            | 5,257.19            | 26.81           | 22.55       | -170.30               | 106.24                            | -463.55    | 1,465.09             | 1,417.85              | 47.24                   | 31.017            |                    |         |
| 5,500.00                    | 5,386.95            | 5,363.66            | 5,363.08            | 27.32           | 23.00       | -170.50               | 104.75                            | -464.03    | 1,487.03             | 1,438.86              | 48.17                   | 30.869            |                    |         |
| 5,600.00                    | 5,484.59            | 5,461.19            | 5,460.60            | 27.83           | 23.41       | -170.68               | 103.64                            | -464.28    | 1,508.78             | 1,459.73              | 49.05                   | 30.763            |                    |         |
| 5,700.00                    | 5,582.23            | 5,560.58            | 5,559.98            | 28.33           | 23.83       | -170.86               | 102.31                            | -464.54    | 1,530.56             | 1,480.63              | 49.93                   | 30.652            |                    |         |
| 5,800.00                    | 5,679.87            | 5,661.61            | 5,661.00            | 28.84           | 24.26       | -171.05               | 100.70                            | -464.52    | 1,552.13             | 1,501.30              | 50.83                   | 30.534            |                    |         |
| 5,900.00                    | 5,777.50            | 5,757.37            | 5,756.75            | 29.35           | 24.66       | -171.22               | 99.38                             | -464.43    | 1,573.62             | 1,521.92              | 51.69                   | 30.441            |                    |         |
| 6,000.00                    | 5,875.14            | 5,859.65            | 5,859.02            | 29.86           | 25.09       | -171.40               | 97.80                             | -464.41    | 1,595.21             | 1,542.61              | 52.60                   | 30.325            |                    |         |
| 6,100.00                    | 5,972.78            | 5,961.71            | 5,961.07            | 30.37           | 25.53       | -171.58               | 96.42                             | -463.89    | 1,616.31             | 1,562.80              | 53.51                   | 30.205            |                    |         |
| 6,200.00                    | 6,070.41            | 6,064.72            | 6,064.07            | 30.88           | 25.96       | -171.73               | 95.60                             | -463.32    | 1,637.30             | 1,582.87              | 54.43                   | 30.083            |                    |         |
| 6,300.00                    | 6,168.05            | 6,160.71            | 6,160.05            | 31.39           | 26.36       | -171.87               | 94.73                             | -462.48    | 1,658.00             | 1,602.71              | 55.29                   | 29.988            |                    |         |
| 6,400.00                    | 6,265.69            | 6,259.44            | 6,258.78            | 31.90           | 26.78       | -172.01               | 93.62                             | -461.83    | 1,678.96             | 1,622.78              | 56.17                   | 29.889            |                    |         |
| 6,439.09                    | 6,303.85            | 6,300.54            | 6,299.87            | 32.10           | 26.96       | -172.07               | 93.16                             | -461.46    | 1,687.06             | 1,630.53              | 56.54                   | 29.841            |                    |         |
| 6,450.00                    | 6,314.53            | 6,312.04            | 6,311.36            | 32.16           | 27.00       | -170.58               | 93.04                             | -461.35    | 1,689.22             | 1,632.59              | 56.64                   | 29.826            |                    |         |
| 6,500.00                    | 6,363.83            | 6,358.59            | 6,357.92            | 32.39           | 27.20       | -159.13               | 92.60                             | -460.95    | 1,696.86             | 1,639.81              | 57.05                   | 29.744            |                    |         |
| 6,550.00                    | 6,413.58            | 6,406.99            | 6,406.31            | 32.60           | 27.41       | -126.59               | 92.25                             | -460.59    | 1,700.70             | 1,643.24              | 57.46                   | 29.598            |                    |         |
| 6,600.00                    | 6,463.45            | 6,456.96            | 6,456.28            | 32.79           | 27.62       | -65.88                | 91.92                             | -460.24    | 1,700.70             | 1,642.83              | 57.86                   | 29.391            |                    |         |
| 6,650.00                    | 6,513.15            | 6,506.73            | 6,506.05            | 32.97           | 27.83       | -38.59                | 91.56                             | -459.88    | 1,696.84             | 1,638.59              | 58.25                   | 29.132            |                    |         |
| 6,700.00                    | 6,562.37            | 6,551.15            | 6,550.46            | 33.15           | 28.01       | -28.87                | 91.21                             | -459.63    | 1,689.24             | 1,630.66              | 58.58                   | 28.839            |                    |         |
| 6,750.00                    | 6,610.80            | 6,595.45            | 6,594.76            | 33.34           | 28.20       | -24.42                | 90.83                             | -459.48    | 1,677.98             | 1,619.09              | 58.89                   | 28.495            |                    |         |
| 6,800.00                    | 6,658.14            | 6,641.47            | 6,640.78            | 33.53           | 28.40       | -22.13                | 90.40                             | -459.39    | 1,663.10             | 1,603.91              | 59.20                   | 28.094            |                    |         |
| 6,850.00                    | 6,704.11            | 6,686.44            | 6,685.75            | 33.74           | 28.59       | -20.96                | 89.90                             | -459.32    | 1,644.66             | 1,585.17              | 59.49                   | 27.646            |                    |         |
| 6,900.00                    | 6,748.42            | 6,730.44            | 6,729.74            | 33.97           | 28.78       | -20.49                | 89.38                             | -459.26    | 1,622.75             | 1,562.99              | 59.76                   | 27.153            |                    |         |
| 6,950.00                    | 6,790.79            | 6,772.84            | 6,772.14            | 34.21           | 28.96       | -20.53                | 89.03                             | -459.23    | 1,597.51             | 1,537.50              | 60.01                   | 26.619            |                    |         |
| 7,000.00                    | 6,830.97            | 6,812.45            | 6,811.75            | 34.48           | 29.12       | -21.00                | 88.82                             | -459.23    | 1,569.10             | 1,508.86              | 60.24                   | 26.048            |                    |         |
| 7,050.00                    | 6,868.71            | 6,848.46            | 6,847.76            | 34.77           | 29.28       | -21.86                | 88.69                             | -459.28    | 1,537.75             | 1,477.31              | 60.43                   | 25.445            |                    |         |
| 7,100.00                    | 6,903.77            | 6,882.02            | 6,881.32            | 35.09           | 29.42       | -23.16                | 88.61                             | -459.37    | 1,503.64             | 1,443.03              | 60.61                   | 24.809            |                    |         |
| 7,150.00                    | 6,935.93            | 6,913.41            | 6,912.71            | 35.44           | 29.55       | -24.97                | 88.56                             | -459.49    | 1,467.00             | 1,406.23              | 60.77                   | 24.140            |                    |         |
| 7,200.00                    | 6,965.01            | 6,942.48            | 6,941.79            | 35.83           | 29.68       | -27.42                | 88.54                             | -459.61    | 1,428.05             | 1,367.13              | 60.92                   | 23.441            |                    |         |
| 7,250.00                    | 6,990.82            | 6,968.33            | 6,967.64            | 36.26           | 29.79       | -30.66                | 88.52                             | -459.72    | 1,387.02             | 1,325.96              | 61.06                   | 22.716            |                    |         |
| 7,300.00                    | 7,013.20            | 6,990.80            | 6,990.10            | 36.72           | 29.88       | -34.95                | 88.52                             | -459.83    | 1,344.19             | 1,283.01              | 61.19                   | 21.969            |                    |         |
| 7,350.00                    | 7,032.02            | 7,009.90            | 7,009.20            | 37.23           | 29.96       | -40.62                | 88.52                             | -459.92    | 1,299.84             | 1,238.53              | 61.31                   | 21.202            |                    |         |
| 7,400.00                    | 7,047.15            | 7,025.41            | 7,024.72            | 37.77           | 30.03       | -48.12                | 88.51                             | -459.98    | 1,254.25             | 1,192.82              | 61.42                   | 20.419            |                    |         |
| 7,450.00                    | 7,058.51            | 7,037.09            | 7,036.39            | 38.34           | 30.08       | -57.83                | 88.49                             | -460.03    | 1,207.72             | 1,146.18              | 61.54                   | 19.624            |                    |         |
| 7,500.00                    | 7,066.02            | 7,044.87            | 7,044.17            | 38.95           | 30.11       | -69.81                | 88.48                             | -460.06    | 1,160.56             | 1,098.90              | 61.66                   | 18.821            |                    |         |
| 7,550.00                    | 7,069.64            | 7,048.71            | 7,048.01            | 39.58           | 30.13       | -83.36                | 88.47                             | -460.08    | 1,113.08             | 1,051.29              | 61.79                   | 18.013            |                    |         |
| 7,571.20                    | 7,070.00            | 7,049.14            | 7,048.45            | 39.85           | 30.13       | -89.22                | 88.47                             | -460.08    | 1,092.93             | 1,031.08              | 61.85                   | 17.670            |                    |         |
| 7,600.00                    | 7,070.00            | 7,049.26            | 7,048.56            | 40.23           | 30.13       | -89.24                | 88.47                             | -460.08    | 1,065.60             | 1,003.66              | 61.94                   | 17.204            |                    |         |
| 7,700.00                    | 7,070.01            | 7,049.64            | 7,048.95            | 41.64           | 30.13       | -89.30                | 88.47                             | -460.08    | 971.38               | 909.05                | 62.33                   | 15.584            |                    |         |
| 7,800.00                    | 7,070.02            | 7,050.03            | 7,049.33            | 43.20           | 30.14       | -89.37                | 88.47                             | -460.08    | 878.43               | 815.52                | 62.91                   | 13.963            |                    |         |
| 7,900.00                    | 7,070.03            | 7,050.42            | 7,049.72            | 44.89           | 30.14       | -89.43                | 88.47                             | -460.08    | 787.21               | 723.43                | 63.78                   | 12.343            |                    |         |
| 8,000.00                    | 7,070.04            | 7,050.80            | 7,050.10            | 46.69           | 30.14       | -89.50                | 88.47                             | -460.09    | 698.40               | 633.34                | 65.06                   | 10.734            |                    |         |
| 8,100.00                    | 7,070.05            | 7,051.18            | 7,050.48            | 48.60           | 30.14       | -89.56                | 88.47                             | -460.09    | 613.05               | 546.06                | 66.98                   | 9.152             |                    |         |
| 8,200.00                    | 7,070.05            | 7,051.56            | 7,050.86            | 50.59           | 30.14       | -89.63                | 88.47                             | -460.09    | 532.81               | 463.00                | 69.81                   | 7.632             |                    |         |
| 8,300.00                    | 7,070.06            | 7,051.94            | 7,051.24            | 52.66           | 30.14       | -89.69                | 88.47                             | -460.09    | 460.38               | 386.54                | 73.84                   | 6.235             |                    |         |
| 8,400.00                    | 7,070.07            | 7,052.32            | 7,051.62            | 54.81           | 30.14       | -89.75                | 88.47                             | -460.09    | 400.01               | 320.88                | 79.13                   | 5.055             |                    |         |
| 8,500.00                    | 7,070.08            | 7,052.69            | 7,052.00            | 57.02           | 30.15       | -89.82                | 88.47                             | -460.09    | 357.87               | 272.91                | 84.96                   | 4.212             |                    |         |
| 8,600.00                    | 7,070.09            | 7,053.07            | 7,052.37            | 59.28           | 30.15       | -89.88                | 88.47                             | -460.09    | 340.78               | 251.44                | 89.35                   | 3.814             |                    |         |
| 8,609.70                    | 7,070.09            | 7,053.10            | 7,052.41            | 59.51           | 30.15       | -89.88                | 88.46                             | -460.09    | 340.65               | 251.03                | 89.61                   | 3.801 CC, ES, SF  |                    |         |
| 8,700.00                    | 7,070.10            | 7,053.44            | 7,052.74            | 61.60           | 30.15       | -89.94                | 88.46                             | -460.10    | 352.41               | 262.02                | 90.39                   | 3.899             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                    | 7,070.11            | 7,053.81            | 7,053.11            | 63.95           | 30.15       | -90.00                | 88.46                             | -460.10    | 390.20               | 301.84                | 88.36                   | 4.416             |                    |         |
| 8,900.00                    | 7,070.12            | 7,054.18            | 7,053.48            | 66.35           | 30.15       | -90.07                | 88.46                             | -460.10    | 447.57               | 362.56                | 85.00                   | 5.265             |                    |         |
| 9,000.00                    | 7,070.13            | 7,054.55            | 7,053.85            | 68.79           | 30.15       | -90.13                | 88.46                             | -460.10    | 518.05               | 436.42                | 81.63                   | 6.346             |                    |         |
| 9,100.00                    | 7,070.13            | 7,054.92            | 7,054.22            | 71.25           | 30.16       | -90.19                | 88.46                             | -460.10    | 597.02               | 518.28                | 78.74                   | 7.582             |                    |         |
| 9,200.00                    | 7,070.14            | 7,055.29            | 7,054.59            | 73.74           | 30.16       | -90.25                | 88.46                             | -460.10    | 681.54               | 605.14                | 76.40                   | 8.921             |                    |         |
| 9,300.00                    | 7,070.15            | 7,055.65            | 7,054.95            | 76.26           | 30.16       | -90.31                | 88.46                             | -460.10    | 769.77               | 695.24                | 74.54                   | 10.328            |                    |         |
| 9,400.00                    | 7,070.16            | 7,056.01            | 7,055.31            | 78.80           | 30.16       | -90.37                | 88.46                             | -460.10    | 860.59               | 787.53                | 73.05                   | 11.780            |                    |         |
| 9,500.00                    | 7,070.17            | 7,056.37            | 7,055.68            | 81.37           | 30.16       | -90.43                | 88.46                             | -460.11    | 953.24               | 881.38                | 71.86                   | 13.264            |                    |         |
| 9,600.00                    | 7,070.18            | 7,056.73            | 7,056.04            | 83.95           | 30.16       | -90.50                | 88.46                             | -460.11    | 1,047.25             | 976.35                | 70.90                   | 14.771            |                    |         |
| 9,700.00                    | 7,070.19            | 7,057.09            | 7,056.40            | 86.55           | 30.17       | -90.56                | 88.46                             | -460.11    | 1,142.27             | 1,072.16              | 70.11                   | 16.292            |                    |         |
| 9,800.00                    | 7,070.20            | 7,057.45            | 7,056.75            | 89.17           | 30.17       | -90.62                | 88.46                             | -460.11    | 1,238.08             | 1,168.62              | 69.46                   | 17.824            |                    |         |
| 9,900.00                    | 7,070.21            | 7,057.81            | 7,057.11            | 91.80           | 30.17       | -90.68                | 88.46                             | -460.11    | 1,334.50             | 1,265.59              | 68.91                   | 19.365            |                    |         |
| 10,000.00                   | 7,070.21            | 7,058.16            | 7,057.46            | 94.44           | 30.17       | -90.74                | 88.45                             | -460.11    | 1,431.42             | 1,362.96              | 68.46                   | 20.910            |                    |         |
| 10,100.00                   | 7,070.22            | 7,058.52            | 7,057.82            | 97.10           | 30.17       | -90.80                | 88.45                             | -460.11    | 1,528.73             | 1,460.67              | 68.06                   | 22.460            |                    |         |
| 10,200.00                   | 7,070.23            | 7,058.87            | 7,058.17            | 99.77           | 30.17       | -90.85                | 88.45                             | -460.12    | 1,626.37             | 1,558.64              | 67.73                   | 24.012            |                    |         |
| 10,300.00                   | 7,070.24            | 7,059.22            | 7,058.52            | 102.44          | 30.17       | -90.91                | 88.45                             | -460.12    | 1,724.28             | 1,656.83              | 67.44                   | 25.566            |                    |         |
| 10,400.00                   | 7,070.25            | 7,059.57            | 7,058.87            | 105.13          | 30.18       | -90.97                | 88.45                             | -460.12    | 1,822.41             | 1,755.22              | 67.20                   | 27.121            |                    |         |
| 10,500.00                   | 7,070.26            | 7,059.92            | 7,059.22            | 107.83          | 30.18       | -91.03                | 88.45                             | -460.12    | 1,920.74             | 1,853.76              | 66.98                   | 28.676            |                    |         |
| 10,600.00                   | 7,070.27            | 7,060.26            | 7,059.57            | 110.53          | 30.18       | -91.09                | 88.45                             | -460.12    | 2,019.23             | 1,952.44              | 66.79                   | 30.231            |                    |         |
| 10,700.00                   | 7,070.28            | 7,060.61            | 7,059.91            | 113.24          | 30.18       | -91.15                | 88.45                             | -460.12    | 2,117.87             | 2,051.24              | 66.63                   | 31.785            |                    |         |
| 10,800.00                   | 7,070.28            | 7,060.95            | 7,060.26            | 115.96          | 30.18       | -91.20                | 88.45                             | -460.12    | 2,216.62             | 2,150.13              | 66.49                   | 33.339            |                    |         |
| 10,900.00                   | 7,070.29            | 7,061.30            | 7,060.60            | 118.69          | 30.18       | -91.26                | 88.45                             | -460.12    | 2,315.48             | 2,249.12              | 66.36                   | 34.892            |                    |         |
| 11,000.00                   | 7,070.30            | 7,061.64            | 7,060.94            | 121.42          | 30.18       | -91.32                | 88.45                             | -460.12    | 2,414.44             | 2,348.19              | 66.25                   | 36.443            |                    |         |
| 11,100.00                   | 7,070.31            | 7,061.98            | 7,061.28            | 124.16          | 30.19       | -91.38                | 88.45                             | -460.13    | 2,513.48             | 2,447.32              | 66.16                   | 37.992            |                    |         |
| 11,200.00                   | 7,070.32            | 7,062.32            | 7,061.62            | 126.90          | 30.19       | -91.43                | 88.44                             | -460.13    | 2,612.59             | 2,546.52              | 66.07                   | 39.540            |                    |         |
| 11,300.00                   | 7,070.33            | 7,062.66            | 7,061.96            | 129.65          | 30.19       | -91.49                | 88.44                             | -460.13    | 2,711.77             | 2,645.76              | 66.00                   | 41.086            |                    |         |
| 11,400.00                   | 7,070.34            | 7,062.99            | 7,062.29            | 132.40          | 30.19       | -91.55                | 88.44                             | -460.13    | 2,811.00             | 2,745.06              | 65.94                   | 42.630            |                    |         |
| 11,500.00                   | 7,070.35            | 7,063.33            | 7,062.63            | 135.16          | 30.19       | -91.60                | 88.44                             | -460.13    | 2,910.29             | 2,844.40              | 65.89                   | 44.172            |                    |         |
| 11,600.00                   | 7,070.36            | 7,063.66            | 7,062.96            | 137.92          | 30.19       | -91.66                | 88.44                             | -460.13    | 3,009.62             | 2,943.78              | 65.84                   | 45.711            |                    |         |
| 11,700.00                   | 7,070.36            | 7,064.00            | 7,063.30            | 140.69          | 30.19       | -91.72                | 88.44                             | -460.13    | 3,109.00             | 3,043.20              | 65.80                   | 47.248            |                    |         |
| 11,800.00                   | 7,070.37            | 7,064.33            | 7,063.63            | 143.46          | 30.20       | -91.77                | 88.44                             | -460.13    | 3,208.42             | 3,142.65              | 65.77                   | 48.782            |                    |         |
| 11,900.00                   | 7,070.38            | 7,064.66            | 7,063.96            | 146.23          | 30.20       | -91.83                | 88.44                             | -460.14    | 3,307.87             | 3,242.13              | 65.74                   | 50.314            |                    |         |
| 12,000.00                   | 7,070.39            | 7,064.99            | 7,064.29            | 149.01          | 30.20       | -91.88                | 88.44                             | -460.14    | 3,407.35             | 3,341.63              | 65.72                   | 51.843            |                    |         |
| 12,100.00                   | 7,070.40            | 7,065.32            | 7,064.62            | 151.79          | 30.20       | -91.94                | 88.44                             | -460.14    | 3,506.87             | 3,441.16              | 65.71                   | 53.370            |                    |         |
| 12,200.00                   | 7,070.41            | 7,065.64            | 7,064.94            | 154.57          | 30.20       | -91.99                | 88.44                             | -460.14    | 3,606.40             | 3,540.71              | 65.70                   | 54.893            |                    |         |
| 12,300.00                   | 7,070.42            | 7,065.97            | 7,065.27            | 157.35          | 30.20       | -92.05                | 88.44                             | -460.14    | 3,705.97             | 3,640.28              | 65.69                   | 56.414            |                    |         |
| 12,400.00                   | 7,070.43            | 7,066.29            | 7,065.59            | 160.14          | 30.20       | -92.10                | 88.44                             | -460.14    | 3,805.56             | 3,739.87              | 65.69                   | 57.931            |                    |         |
| 12,500.00                   | 7,070.44            | 7,066.62            | 7,065.92            | 162.93          | 30.21       | -92.16                | 88.43                             | -460.14    | 3,905.16             | 3,839.47              | 65.69                   | 59.445            |                    |         |
| 12,600.00                   | 7,070.44            | 7,066.94            | 7,066.24            | 165.72          | 30.21       | -92.21                | 88.43                             | -460.14    | 4,004.79             | 3,939.09              | 65.70                   | 60.956            |                    |         |
| 12,700.00                   | 7,070.45            | 7,067.26            | 7,066.56            | 168.52          | 30.21       | -92.26                | 88.43                             | -460.14    | 4,104.44             | 4,038.73              | 65.71                   | 62.464            |                    |         |
| 12,800.00                   | 7,070.46            | 7,067.58            | 7,066.88            | 171.32          | 30.21       | -92.32                | 88.43                             | -460.15    | 4,204.10             | 4,138.38              | 65.72                   | 63.969            |                    |         |
| 12,900.00                   | 7,070.47            | 7,067.90            | 7,067.20            | 174.11          | 30.21       | -92.37                | 88.43                             | -460.15    | 4,303.78             | 4,238.04              | 65.74                   | 65.470            |                    |         |
| 13,000.00                   | 7,070.48            | 7,068.22            | 7,067.52            | 176.92          | 30.21       | -92.42                | 88.43                             | -460.15    | 4,403.47             | 4,337.72              | 65.76                   | 66.968            |                    |         |
| 13,100.00                   | 7,070.49            | 7,068.53            | 7,067.83            | 179.72          | 30.21       | -92.48                | 88.43                             | -460.15    | 4,503.18             | 4,437.40              | 65.78                   | 68.462            |                    |         |
| 13,200.00                   | 7,070.50            | 7,068.85            | 7,068.15            | 182.52          | 30.22       | -92.53                | 88.43                             | -460.15    | 4,602.90             | 4,537.10              | 65.80                   | 69.953            |                    |         |
| 13,300.00                   | 7,070.51            | 7,069.16            | 7,068.46            | 185.33          | 30.22       | -92.58                | 88.43                             | -460.15    | 4,702.63             | 4,636.80              | 65.83                   | 71.440            |                    |         |
| 13,400.00                   | 7,070.52            | 7,069.48            | 7,068.78            | 188.14          | 30.22       | -92.64                | 88.43                             | -460.15    | 4,802.37             | 4,736.51              | 65.86                   | 72.923            |                    |         |
| 13,500.00                   | 7,070.52            | 7,069.79            | 7,069.09            | 190.95          | 30.22       | -92.69                | 88.43                             | -460.15    | 4,902.12             | 4,836.24              | 65.89                   | 74.403            |                    |         |
| 13,600.00                   | 7,070.53            | 7,070.10            | 7,069.40            | 193.76          | 30.22       | -92.74                | 88.43                             | -460.15    | 5,001.89             | 4,935.97              | 65.92                   | 75.878            |                    |         |
| 13,700.00                   | 7,070.54            | 7,070.41            | 7,069.71            | 196.57          | 30.22       | -92.79                | 88.42                             | -460.16    | 5,101.66             | 5,035.70              | 65.96                   | 77.350            |                    |         |
| 13,800.00                   | 7,070.55            | 7,070.72            | 7,070.02            | 199.38          | 30.22       | -92.84                | 88.42                             | -460.16    | 5,201.44             | 5,135.45              | 65.99                   | 78.818            |                    |         |
| 13,900.00                   | 7,070.56            | 7,071.02            | 7,070.33            | 202.20          | 30.22       | -92.90                | 88.42                             | -460.16    | 5,301.23             | 5,235.19              | 66.03                   | 80.283            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                   | 7,070.57            | 7,071.33            | 7,070.63            | 205.01          | 30.23       | -92.95                | 88.42                             | -460.16    | 5,401.02             | 5,334.95              | 66.07                   | 81.743            |                    |         |
| 14,100.00                   | 7,070.58            | 7,071.64            | 7,070.94            | 207.83          | 30.23       | -93.00                | 88.42                             | -460.16    | 5,500.83             | 5,434.71              | 66.12                   | 83.199            |                    |         |
| 14,200.00                   | 7,070.59            | 7,071.94            | 7,071.24            | 210.65          | 30.23       | -93.05                | 88.42                             | -460.16    | 5,600.64             | 5,534.48              | 66.16                   | 84.651            |                    |         |
| 14,300.00                   | 7,070.60            | 7,072.24            | 7,071.55            | 213.47          | 30.23       | -93.10                | 88.42                             | -460.16    | 5,700.46             | 5,634.25              | 66.21                   | 86.099            |                    |         |
| 14,400.00                   | 7,070.60            | 7,072.55            | 7,071.85            | 216.29          | 30.23       | -93.15                | 88.42                             | -460.16    | 5,800.28             | 5,734.02              | 66.26                   | 87.542            |                    |         |
| 14,500.00                   | 7,070.61            | 7,072.85            | 7,072.15            | 219.11          | 30.23       | -93.20                | 88.42                             | -460.16    | 5,900.11             | 5,833.80              | 66.31                   | 88.982            |                    |         |
| 14,600.00                   | 7,070.62            | 7,073.15            | 7,072.45            | 221.94          | 30.23       | -93.25                | 88.42                             | -460.16    | 5,999.94             | 5,933.59              | 66.36                   | 90.417            |                    |         |
| 14,700.00                   | 7,070.63            | 7,073.45            | 7,072.75            | 224.76          | 30.23       | -93.30                | 88.42                             | -460.17    | 6,099.79             | 6,033.37              | 66.41                   | 91.848            |                    |         |
| 14,800.00                   | 7,070.64            | 7,073.74            | 7,073.05            | 227.58          | 30.24       | -93.35                | 88.42                             | -460.17    | 6,199.63             | 6,133.16              | 66.47                   | 93.275            |                    |         |
| 14,900.00                   | 7,070.65            | 7,074.04            | 7,073.34            | 230.41          | 30.24       | -93.40                | 88.41                             | -460.17    | 6,299.48             | 6,232.96              | 66.52                   | 94.697            |                    |         |
| 15,000.00                   | 7,070.66            | 7,074.34            | 7,073.64            | 233.24          | 30.24       | -93.45                | 88.41                             | -460.17    | 6,399.34             | 6,332.76              | 66.58                   | 96.115            |                    |         |
| 15,100.00                   | 7,070.67            | 7,074.63            | 7,073.93            | 236.06          | 30.24       | -93.50                | 88.41                             | -460.17    | 6,499.20             | 6,432.56              | 66.64                   | 97.528            |                    |         |
| 15,200.00                   | 7,070.68            | 7,074.93            | 7,074.23            | 238.89          | 30.24       | -93.55                | 88.41                             | -460.17    | 6,599.06             | 6,532.36              | 66.70                   | 98.937            |                    |         |
| 15,300.00                   | 7,070.68            | 7,075.22            | 7,074.52            | 241.72          | 30.24       | -93.60                | 88.41                             | -460.17    | 6,698.93             | 6,632.17              | 66.76                   | 100.341           |                    |         |
| 15,400.00                   | 7,070.69            | 7,075.51            | 7,074.81            | 244.55          | 30.24       | -93.65                | 88.41                             | -460.17    | 6,798.80             | 6,731.98              | 66.82                   | 101.741           |                    |         |
| 15,500.00                   | 7,070.70            | 7,075.80            | 7,075.10            | 247.38          | 30.24       | -93.70                | 88.41                             | -460.17    | 6,898.68             | 6,831.79              | 66.89                   | 103.136           |                    |         |
| 15,600.00                   | 7,070.71            | 7,076.09            | 7,075.39            | 250.21          | 30.25       | -93.75                | 88.41                             | -460.17    | 6,998.56             | 6,931.60              | 66.95                   | 104.527           |                    |         |
| 15,700.00                   | 7,070.72            | 7,076.38            | 7,075.68            | 253.04          | 30.25       | -93.79                | 88.41                             | -460.17    | 7,098.44             | 7,031.42              | 67.02                   | 105.913           |                    |         |
| 15,800.00                   | 7,070.73            | 7,076.67            | 7,075.97            | 255.87          | 30.25       | -93.84                | 88.41                             | -460.18    | 7,198.32             | 7,131.24              | 67.09                   | 107.295           |                    |         |
| 15,900.00                   | 7,070.74            | 7,076.96            | 7,076.26            | 258.71          | 30.25       | -93.89                | 88.41                             | -460.18    | 7,298.21             | 7,231.06              | 67.16                   | 108.671           |                    |         |
| 16,000.00                   | 7,070.75            | 7,077.24            | 7,076.54            | 261.54          | 30.25       | -93.94                | 88.41                             | -460.18    | 7,398.11             | 7,330.88              | 67.23                   | 110.043           |                    |         |
| 16,100.00                   | 7,070.76            | 7,077.53            | 7,076.83            | 264.37          | 30.25       | -93.99                | 88.40                             | -460.18    | 7,498.00             | 7,430.70              | 67.30                   | 111.411           |                    |         |
| 16,200.00                   | 7,070.76            | 7,077.81            | 7,077.11            | 267.21          | 30.25       | -94.03                | 88.40                             | -460.18    | 7,597.90             | 7,530.52              | 67.37                   | 112.773           |                    |         |
| 16,300.00                   | 7,070.77            | 7,078.09            | 7,077.40            | 270.04          | 30.25       | -94.08                | 88.40                             | -460.18    | 7,697.80             | 7,630.35              | 67.45                   | 114.131           |                    |         |
| 16,400.00                   | 7,070.78            | 7,078.38            | 7,077.68            | 272.88          | 30.26       | -94.13                | 88.40                             | -460.18    | 7,797.70             | 7,730.18              | 67.52                   | 115.484           |                    |         |
| 16,500.00                   | 7,070.79            | 7,078.66            | 7,077.96            | 275.71          | 30.26       | -94.17                | 88.40                             | -460.18    | 7,897.61             | 7,830.01              | 67.60                   | 116.832           |                    |         |
| 16,600.00                   | 7,070.80            | 7,078.94            | 7,078.24            | 278.55          | 30.26       | -94.22                | 88.40                             | -460.18    | 7,997.51             | 7,929.84              | 67.68                   | 118.175           |                    |         |
| 16,700.00                   | 7,070.81            | 7,079.22            | 7,078.52            | 281.39          | 30.26       | -94.27                | 88.40                             | -460.18    | 8,097.42             | 8,029.67              | 67.75                   | 119.514           |                    |         |
| 16,800.00                   | 7,070.82            | 7,079.50            | 7,078.80            | 284.22          | 30.26       | -94.31                | 88.40                             | -460.18    | 8,197.34             | 8,129.50              | 67.83                   | 120.847           |                    |         |
| 16,900.00                   | 7,070.83            | 7,079.77            | 7,079.07            | 287.06          | 30.26       | -94.36                | 88.40                             | -460.19    | 8,297.25             | 8,229.34              | 67.91                   | 122.176           |                    |         |
| 17,000.00                   | 7,070.84            | 7,080.05            | 7,079.35            | 289.90          | 30.26       | -94.41                | 88.40                             | -460.19    | 8,397.17             | 8,329.17              | 67.99                   | 123.499           |                    |         |
| 17,100.00                   | 7,070.84            | 7,080.32            | 7,079.63            | 292.74          | 30.26       | -94.45                | 88.40                             | -460.19    | 8,497.08             | 8,429.01              | 68.08                   | 124.818           |                    |         |
| 17,200.00                   | 7,070.85            | 7,080.60            | 7,079.90            | 295.58          | 30.27       | -94.50                | 88.39                             | -460.19    | 8,597.00             | 8,528.85              | 68.16                   | 126.132           |                    |         |
| 17,300.00                   | 7,070.86            | 7,080.87            | 7,080.17            | 298.42          | 30.27       | -94.54                | 88.39                             | -460.19    | 8,696.93             | 8,628.68              | 68.24                   | 127.441           |                    |         |
| 17,400.00                   | 7,070.87            | 7,081.15            | 7,080.45            | 301.26          | 30.27       | -94.59                | 88.39                             | -460.19    | 8,796.85             | 8,728.52              | 68.33                   | 128.745           |                    |         |
| 17,500.00                   | 7,070.88            | 7,081.42            | 7,080.72            | 304.10          | 30.27       | -94.64                | 88.39                             | -460.19    | 8,896.77             | 8,828.36              | 68.41                   | 130.044           |                    |         |
| 17,600.00                   | 7,070.89            | 7,081.69            | 7,080.99            | 306.94          | 30.27       | -94.68                | 88.39                             | -460.19    | 8,996.70             | 8,928.20              | 68.50                   | 131.338           |                    |         |
| 17,700.00                   | 7,070.90            | 7,081.96            | 7,081.26            | 309.78          | 30.27       | -94.73                | 88.39                             | -460.19    | 9,096.63             | 9,028.04              | 68.59                   | 132.626           |                    |         |
| 17,800.00                   | 7,070.91            | 7,082.23            | 7,081.53            | 312.62          | 30.27       | -94.77                | 88.39                             | -460.19    | 9,196.56             | 9,127.88              | 68.68                   | 133.910           |                    |         |
| 17,900.00                   | 7,070.92            | 7,082.50            | 7,081.80            | 315.46          | 30.27       | -94.82                | 88.39                             | -460.19    | 9,296.49             | 9,227.73              | 68.77                   | 135.189           |                    |         |
| 18,000.00                   | 7,070.92            | 7,082.76            | 7,082.06            | 318.31          | 30.27       | -94.86                | 88.39                             | -460.20    | 9,396.43             | 9,327.57              | 68.86                   | 136.463           |                    |         |
| 18,100.00                   | 7,070.93            | 7,083.03            | 7,082.33            | 321.15          | 30.28       | -94.91                | 88.39                             | -460.20    | 9,496.36             | 9,427.41              | 68.95                   | 137.732           |                    |         |
| 18,200.00                   | 7,070.94            | 7,083.30            | 7,082.60            | 323.99          | 30.28       | -94.95                | 88.39                             | -460.20    | 9,596.30             | 9,527.26              | 69.04                   | 138.995           |                    |         |
| 18,300.00                   | 7,070.95            | 7,083.56            | 7,082.86            | 326.83          | 30.28       | -94.99                | 88.39                             | -460.20    | 9,696.23             | 9,627.10              | 69.13                   | 140.254           |                    |         |
| 18,400.00                   | 7,070.96            | 7,083.82            | 7,083.13            | 329.68          | 30.28       | -95.04                | 88.38                             | -460.20    | 9,796.17             | 9,726.94              | 69.23                   | 141.508           |                    |         |
| 18,500.00                   | 7,070.97            | 7,084.09            | 7,083.39            | 332.52          | 30.28       | -95.08                | 88.38                             | -460.20    | 9,896.11             | 9,826.79              | 69.32                   | 142.756           |                    |         |
| 18,600.00                   | 7,070.98            | 7,084.35            | 7,083.65            | 335.36          | 30.28       | -95.13                | 88.38                             | -460.20    | 9,996.05             | 9,926.63              | 69.42                   | 144.000           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -119.05               | -2,381.83                         | -4,288.39  | 4,905.47             |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 106.91              | 106.90              | 3.28            | 3.29        | -119.05               | -2,381.74                         | -4,288.18  | 4,905.26             | 4,898.69              | 6.57                    | 746.294           |                    |         |
| 194.98                      | 194.98              | 180.98              | 180.98              | 3.33            | 3.33        | -119.05               | -2,381.55                         | -4,288.13  | 4,905.09             | 4,898.43              | 6.66                    | 736.423           |                    |         |
| 200.00                      | 200.00              | 185.02              | 185.02              | 3.34            | 3.33        | -119.05               | -2,381.54                         | -4,288.14  | 4,905.09             | 4,898.42              | 6.67                    | 735.655           |                    |         |
| 300.00                      | 300.00              | 316.30              | 316.30              | 3.44            | 3.47        | -119.04               | -2,380.66                         | -4,288.25  | 4,904.85             | 4,897.93              | 6.92                    | 709.017           |                    |         |
| 319.72                      | 319.72              | 338.79              | 338.79              | 3.47            | 3.51        | 168.46                | -2,380.47                         | -4,288.19  | 4,904.79             | 4,897.81              | 6.98                    | 702.919           |                    |         |
| 400.00                      | 399.98              | 417.96              | 417.95              | 3.60            | 3.64        | 168.47                | -2,380.00                         | -4,287.77  | 4,905.83             | 4,898.59              | 7.24                    | 677.592           |                    |         |
| 500.00                      | 499.84              | 485.35              | 485.34              | 3.80            | 3.77        | 168.46                | -2,379.85                         | -4,287.61  | 4,910.64             | 4,903.06              | 7.57                    | 648.292           |                    |         |
| 600.00                      | 599.45              | 587.30              | 587.30              | 4.04            | 4.01        | 168.45                | -2,379.60                         | -4,287.82  | 4,919.24             | 4,911.19              | 8.05                    | 611.136           |                    |         |
| 700.00                      | 698.70              | 725.21              | 725.20              | 4.32            | 4.37        | 168.45                | -2,378.51                         | -4,287.68  | 4,930.70             | 4,922.01              | 8.69                    | 567.334           |                    |         |
| 800.00                      | 797.47              | 820.23              | 820.21              | 4.63            | 4.65        | 168.43                | -2,377.98                         | -4,287.07  | 4,945.22             | 4,935.94              | 9.28                    | 533.103           |                    |         |
| 900.00                      | 895.62              | 900.00              | 899.98              | 4.97            | 4.90        | 168.39                | -2,377.85                         | -4,286.67  | 4,963.40             | 4,953.54              | 9.86                    | 503.571           |                    |         |
| 924.00                      | 919.08              | 915.86              | 915.84              | 5.06            | 4.95        | 168.38                | -2,377.85                         | -4,286.62  | 4,968.32             | 4,958.33              | 9.99                    | 497.130           |                    |         |
| 1,000.00                    | 993.28              | 973.95              | 973.93              | 5.34            | 5.14        | 168.41                | -2,377.86                         | -4,286.58  | 4,984.39             | 4,973.94              | 10.45                   | 477.180           |                    |         |
| 1,100.00                    | 1,090.92            | 1,063.42            | 1,063.41            | 5.73            | 5.44        | 168.45                | -2,377.75                         | -4,286.88  | 5,005.80             | 4,994.70              | 11.10                   | 450.782           |                    |         |
| 1,200.00                    | 1,188.56            | 1,190.18            | 1,190.16            | 6.15            | 5.88        | 168.53                | -2,377.07                         | -4,287.35  | 5,027.09             | 5,015.17              | 11.92                   | 421.630           |                    |         |
| 1,300.00                    | 1,286.19            | 1,283.36            | 1,283.33            | 6.57            | 6.21        | 168.58                | -2,376.63                         | -4,287.27  | 5,048.00             | 5,035.35              | 12.65                   | 399.179           |                    |         |
| 1,400.00                    | 1,383.83            | 1,369.25            | 1,369.23            | 7.01            | 6.53        | 168.62                | -2,376.65                         | -4,287.15  | 5,069.09             | 5,055.73              | 13.36                   | 379.475           |                    |         |
| 1,500.00                    | 1,481.47            | 1,448.54            | 1,448.52            | 7.46            | 6.82        | 168.66                | -2,376.87                         | -4,287.18  | 5,090.47             | 5,076.41              | 14.06                   | 362.121           |                    |         |
| 1,600.00                    | 1,579.10            | 1,527.88            | 1,527.85            | 7.91            | 7.12        | 168.69                | -2,377.16                         | -4,287.55  | 5,112.24             | 5,097.47              | 14.77                   | 346.203           |                    |         |
| 1,700.00                    | 1,676.74            | 1,613.98            | 1,613.95            | 8.37            | 7.45        | 168.74                | -2,377.53                         | -4,288.16  | 5,134.26             | 5,118.75              | 15.51                   | 330.990           |                    |         |
| 1,800.00                    | 1,774.38            | 1,698.17            | 1,698.13            | 8.84            | 7.77        | 168.77                | -2,378.13                         | -4,288.87  | 5,156.53             | 5,140.27              | 16.26                   | 317.179           |                    |         |
| 1,900.00                    | 1,872.02            | 1,784.46            | 1,784.42            | 9.31            | 8.11        | 168.81                | -2,378.89                         | -4,289.75  | 5,179.03             | 5,162.01              | 17.02                   | 304.310           |                    |         |
| 2,000.00                    | 1,969.65            | 1,926.21            | 1,926.16            | 9.79            | 8.67        | 168.88                | -2,379.85                         | -4,290.87  | 5,201.26             | 5,183.24              | 18.02                   | 288.632           |                    |         |
| 2,100.00                    | 2,067.29            | 2,065.70            | 2,065.65            | 10.27           | 9.22        | 168.93                | -2,380.59                         | -4,290.87  | 5,222.76             | 5,203.74              | 19.02                   | 274.553           |                    |         |
| 2,200.00                    | 2,164.93            | 2,178.14            | 2,178.09            | 10.75           | 9.67        | 168.98                | -2,380.51                         | -4,290.30  | 5,243.51             | 5,223.59              | 19.92                   | 263.260           |                    |         |
| 2,300.00                    | 2,262.56            | 2,259.36            | 2,259.31            | 11.24           | 10.00       | 169.02                | -2,380.77                         | -4,289.79  | 5,264.35             | 5,243.67              | 20.68                   | 254.521           |                    |         |
| 2,400.00                    | 2,360.20            | 2,329.84            | 2,329.78            | 11.73           | 10.28       | 169.04                | -2,381.44                         | -4,289.45  | 5,285.61             | 5,264.20              | 21.40                   | 246.935           |                    |         |
| 2,500.00                    | 2,457.84            | 2,400.00            | 2,399.94            | 12.22           | 10.57       | 169.06                | -2,382.21                         | -4,289.56  | 5,307.47             | 5,285.34              | 22.13                   | 239.871           |                    |         |
| 2,600.00                    | 2,555.48            | 2,486.95            | 2,486.88            | 12.71           | 10.92       | 169.10                | -2,383.06                         | -4,290.11  | 5,329.69             | 5,306.77              | 22.92                   | 232.496           |                    |         |
| 2,700.00                    | 2,653.11            | 2,606.84            | 2,606.76            | 13.20           | 11.41       | 169.15                | -2,384.02                         | -4,290.74  | 5,351.75             | 5,327.88              | 23.87                   | 224.187           |                    |         |
| 2,800.00                    | 2,750.75            | 2,709.85            | 2,709.77            | 13.70           | 11.83       | 169.18                | -2,384.90                         | -4,290.93  | 5,373.55             | 5,348.80              | 24.75                   | 217.134           |                    |         |
| 2,900.00                    | 2,848.39            | 2,801.83            | 2,801.74            | 14.19           | 12.21       | 169.22                | -2,385.87                         | -4,291.00  | 5,395.34             | 5,369.77              | 25.58                   | 210.954           |                    |         |
| 3,000.00                    | 2,946.02            | 2,868.45            | 2,868.36            | 14.69           | 12.48       | 169.24                | -2,386.64                         | -4,291.27  | 5,417.46             | 5,391.17              | 26.29                   | 206.069           |                    |         |
| 3,100.00                    | 3,043.66            | 2,982.91            | 2,982.81            | 15.19           | 12.96       | 169.28                | -2,387.68                         | -4,292.26  | 5,439.91             | 5,412.68              | 27.22                   | 199.816           |                    |         |
| 3,200.00                    | 3,141.30            | 3,103.38            | 3,103.28            | 15.69           | 13.46       | 169.33                | -2,388.38                         | -4,292.73  | 5,461.76             | 5,433.57              | 28.19                   | 193.749           |                    |         |
| 3,300.00                    | 3,238.94            | 3,174.57            | 3,174.46            | 16.19           | 13.75       | 169.36                | -2,389.07                         | -4,292.93  | 5,483.69             | 5,454.76              | 28.93                   | 189.561           |                    |         |
| 3,400.00                    | 3,336.57            | 3,250.98            | 3,250.87            | 16.69           | 14.07       | 169.38                | -2,390.07                         | -4,293.38  | 5,506.04             | 5,476.35              | 29.69                   | 185.444           |                    |         |
| 3,500.00                    | 3,434.21            | 3,366.27            | 3,366.14            | 17.19           | 14.55       | 169.42                | -2,391.35                         | -4,294.42  | 5,528.62             | 5,497.98              | 30.64                   | 180.448           |                    |         |
| 3,600.00                    | 3,531.85            | 3,480.54            | 3,480.41            | 17.69           | 15.03       | 169.47                | -2,391.88                         | -4,295.09  | 5,550.58             | 5,519.00              | 31.58                   | 175.749           |                    |         |
| 3,700.00                    | 3,629.48            | 3,580.10            | 3,579.96            | 18.20           | 15.44       | 169.51                | -2,392.24                         | -4,295.64  | 5,572.49             | 5,540.03              | 32.46                   | 171.682           |                    |         |
| 3,800.00                    | 3,727.12            | 3,679.66            | 3,679.53            | 18.70           | 15.86       | 169.55                | -2,392.53                         | -4,296.18  | 5,594.36             | 5,561.02              | 33.34                   | 167.821           |                    |         |
| 3,900.00                    | 3,824.76            | 3,779.24            | 3,779.11            | 19.21           | 16.28       | 169.59                | -2,392.77                         | -4,296.71  | 5,616.20             | 5,581.98              | 34.21                   | 164.151           |                    |         |
| 4,000.00                    | 3,922.40            | 3,878.84            | 3,878.70            | 19.71           | 16.69       | 169.64                | -2,392.95                         | -4,297.23  | 5,638.00             | 5,602.91              | 35.09                   | 160.660           |                    |         |
| 4,100.00                    | 4,020.03            | 3,978.44            | 3,978.31            | 20.21           | 17.11       | 169.68                | -2,393.06                         | -4,297.74  | 5,659.77             | 5,623.80              | 35.97                   | 157.333           |                    |         |
| 4,200.00                    | 4,117.67            | 4,078.06            | 4,077.92            | 20.72           | 17.53       | 169.72                | -2,393.12                         | -4,298.24  | 5,681.51             | 5,644.66              | 36.85                   | 154.161           |                    |         |
| 4,300.00                    | 4,215.31            | 4,177.69            | 4,177.55            | 21.23           | 17.95       | 169.76                | -2,393.11                         | -4,298.73  | 5,703.21             | 5,665.48              | 37.74                   | 151.132           |                    |         |
| 4,400.00                    | 4,312.94            | 4,287.16            | 4,287.02            | 21.73           | 18.41       | 169.81                | -2,392.91                         | -4,299.24  | 5,724.82             | 5,686.15              | 38.67                   | 148.055           |                    |         |
| 4,500.00                    | 4,410.58            | 4,393.06            | 4,392.92            | 22.24           | 18.86       | 169.86                | -2,392.31                         | -4,299.71  | 5,746.23             | 5,706.65              | 39.58                   | 145.179           |                    |         |
| 4,600.00                    | 4,508.22            | 4,488.16            | 4,488.01            | 22.75           | 19.26       | 169.90                | -2,391.59                         | -4,300.16  | 5,767.60             | 5,727.16              | 40.44                   | 142.616           |                    |         |
| 4,700.00                    | 4,605.86            | 4,559.66            | 4,559.50            | 23.25           | 19.56       | 169.94                | -2,391.02                         | -4,300.70  | 5,789.19             | 5,748.01              | 41.19                   | 140.558           |                    |         |
| 4,800.00                    | 4,703.49            | 4,648.86            | 4,648.69            | 23.76           | 19.93       | 169.98                | -2,390.18                         | -4,301.88  | 5,811.21             | 5,769.19              | 42.02                   | 138.296           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 4,900.00                    | 4,801.13            | 4,762.17            | 4,761.99            | 24.27           | 20.41       | 170.04                | -2,389.05                         | -4,303.16  | 5,833.04             | 5,790.06              | 42.97                   | 135.738           |                    |         |
| 5,000.00                    | 4,898.77            | 4,868.45            | 4,868.26            | 24.77           | 20.86       | 170.09                | -2,388.25                         | -4,303.99  | 5,854.68             | 5,810.79              | 43.89                   | 133.390           |                    |         |
| 5,100.00                    | 4,996.40            | 4,956.96            | 4,956.77            | 25.28           | 21.24       | 170.12                | -2,388.66                         | -4,304.09  | 5,876.29             | 5,831.57              | 44.72                   | 131.395           |                    |         |
| 5,200.00                    | 5,094.04            | 5,037.48            | 5,037.29            | 25.79           | 21.58       | 170.15                | -2,389.44                         | -4,304.21  | 5,898.16             | 5,852.65              | 45.51                   | 129.593           |                    |         |
| 5,300.00                    | 5,191.68            | 5,122.25            | 5,122.06            | 26.30           | 21.93       | 170.17                | -2,390.19                         | -4,304.67  | 5,920.31             | 5,873.99              | 46.33                   | 127.799           |                    |         |
| 5,400.00                    | 5,289.32            | 5,222.45            | 5,222.25            | 26.81           | 22.36       | 170.21                | -2,390.62                         | -4,305.45  | 5,942.50             | 5,895.28              | 47.22                   | 125.858           |                    |         |
| 5,500.00                    | 5,386.95            | 5,324.66            | 5,324.46            | 27.32           | 22.79       | 170.25                | -2,391.04                         | -4,306.32  | 5,964.73             | 5,916.61              | 48.12                   | 123.963           |                    |         |
| 5,600.00                    | 5,484.59            | 5,447.57            | 5,447.37            | 27.83           | 23.31       | 170.29                | -2,391.74                         | -4,306.55  | 5,986.42             | 5,937.29              | 49.12                   | 121.865           |                    |         |
| 5,700.00                    | 5,582.23            | 5,540.07            | 5,539.86            | 28.33           | 23.70       | 170.31                | -2,393.12                         | -4,306.37  | 6,008.22             | 5,958.25              | 49.98                   | 120.222           |                    |         |
| 5,800.00                    | 5,679.87            | 5,642.46            | 5,642.23            | 28.84           | 24.14       | 170.33                | -2,394.71                         | -4,305.99  | 6,029.90             | 5,979.02              | 50.88                   | 118.514           |                    |         |
| 5,900.00                    | 5,777.50            | 5,720.77            | 5,720.54            | 29.35           | 24.47       | 170.34                | -2,395.78                         | -4,305.88  | 6,051.71             | 6,000.05              | 51.66                   | 117.147           |                    |         |
| 6,000.00                    | 5,875.14            | 5,783.64            | 5,783.40            | 29.86           | 24.74       | 170.36                | -2,396.67                         | -4,306.13  | 6,074.00             | 6,021.64              | 52.36                   | 116.007           |                    |         |
| 6,100.00                    | 5,972.78            | 5,887.42            | 5,887.17            | 30.37           | 25.18       | 170.39                | -2,397.92                         | -4,307.02  | 6,096.60             | 6,043.33              | 53.27                   | 114.447           |                    |         |
| 6,200.00                    | 6,070.41            | 6,036.84            | 6,036.58            | 30.88           | 25.81       | 170.44                | -2,398.29                         | -4,308.10  | 6,118.67             | 6,064.25              | 54.42                   | 112.438           |                    |         |
| 6,300.00                    | 6,168.05            | 6,156.72            | 6,156.45            | 31.39           | 26.32       | 170.48                | -2,398.29                         | -4,308.20  | 6,140.05             | 6,084.64              | 55.41                   | 110.808           |                    |         |
| 6,400.00                    | 6,265.69            | 6,350.50            | 6,249.24            | 31.90           | 27.14       | 170.51                | -2,398.53                         | -4,308.01  | 6,161.32             | 6,104.63              | 56.69                   | 108.676           |                    |         |
| 6,439.09                    | 6,303.85            | 6,312.33            | 6,287.41            | 32.10           | 26.98       | 170.52                | -2,398.73                         | -4,307.93  | 6,169.67             | 6,112.96              | 56.71                   | 108.784           |                    |         |
| 6,450.00                    | 6,314.53            | 6,301.66            | 6,298.08            | 32.16           | 26.93       | 172.09                | -2,398.79                         | -4,307.91  | 6,171.92             | 6,115.20              | 56.72                   | 108.814           |                    |         |
| 6,500.00                    | 6,363.83            | 6,347.65            | 6,347.39            | 32.39           | 27.13       | -176.15               | -2,399.05                         | -4,307.80  | 6,180.14             | 6,123.00              | 57.14                   | 108.160           |                    |         |
| 6,550.00                    | 6,413.58            | 6,397.39            | 6,397.12            | 32.60           | 27.34       | -143.39               | -2,399.31                         | -4,307.68  | 6,184.89             | 6,127.33              | 57.56                   | 107.450           |                    |         |
| 6,600.00                    | 6,463.45            | 6,447.24            | 6,446.98            | 32.79           | 27.55       | -82.54                | -2,399.58                         | -4,307.57  | 6,186.14             | 6,128.17              | 57.97                   | 106.718           |                    |         |
| 6,650.00                    | 6,513.15            | 6,496.91            | 6,496.65            | 32.97           | 27.76       | -55.17                | -2,399.84                         | -4,307.46  | 6,183.89             | 6,125.53              | 58.36                   | 105.970           |                    |         |
| 6,700.00                    | 6,562.37            | 6,546.09            | 6,545.83            | 33.15           | 27.97       | -45.47                | -2,400.10                         | -4,307.35  | 6,178.15             | 6,119.42              | 58.73                   | 105.200           |                    |         |
| 6,750.00                    | 6,610.80            | 6,594.48            | 6,594.21            | 33.34           | 28.18       | -41.11                | -2,400.36                         | -4,307.24  | 6,168.97             | 6,109.89              | 59.08                   | 104.412           |                    |         |
| 6,800.00                    | 6,658.14            | 6,641.77            | 6,641.50            | 33.53           | 28.38       | -38.97                | -2,400.61                         | -4,307.14  | 6,156.41             | 6,096.99              | 59.42                   | 103.605           |                    |         |
| 6,850.00                    | 6,704.11            | 6,687.68            | 6,687.41            | 33.74           | 28.57       | -38.01                | -2,400.85                         | -4,307.04  | 6,140.55             | 6,080.81              | 59.74                   | 102.784           |                    |         |
| 6,900.00                    | 6,748.42            | 6,731.92            | 6,731.65            | 33.97           | 28.76       | -37.81                | -2,401.09                         | -4,306.94  | 6,121.51             | 6,061.47              | 60.05                   | 101.948           |                    |         |
| 6,950.00                    | 6,790.79            | 6,774.22            | 6,773.94            | 34.21           | 28.94       | -38.19                | -2,401.31                         | -4,306.84  | 6,099.41             | 6,039.08              | 60.33                   | 101.098           |                    |         |
| 7,000.00                    | 6,830.97            | 6,814.31            | 6,814.04            | 34.48           | 29.11       | -39.06                | -2,401.53                         | -4,306.75  | 6,074.39             | 6,013.79              | 60.60                   | 100.236           |                    |         |
| 7,050.00                    | 6,868.71            | 6,851.96            | 6,851.69            | 34.77           | 29.27       | -40.39                | -2,401.73                         | -4,306.67  | 6,046.63             | 5,985.77              | 60.86                   | 99.360            |                    |         |
| 7,100.00                    | 6,903.77            | 6,886.93            | 6,886.66            | 35.09           | 29.42       | -42.20                | -2,401.91                         | -4,306.59  | 6,016.30             | 5,955.20              | 61.10                   | 98.470            |                    |         |
| 7,150.00                    | 6,935.93            | 6,919.00            | 6,918.73            | 35.44           | 29.56       | -44.50                | -2,402.08                         | -4,306.52  | 5,983.60             | 5,922.27              | 61.33                   | 97.566            |                    |         |
| 7,200.00                    | 6,965.01            | 6,947.98            | 6,947.71            | 35.83           | 29.68       | -47.35                | -2,402.24                         | -4,306.46  | 5,948.75             | 5,887.20              | 61.55                   | 96.646            |                    |         |
| 7,250.00                    | 6,990.82            | 6,973.68            | 6,973.41            | 36.26           | 29.79       | -50.81                | -2,402.37                         | -4,306.40  | 5,911.97             | 5,850.20              | 61.77                   | 95.710            |                    |         |
| 7,300.00                    | 7,013.20            | 6,995.96            | 6,995.68            | 36.72           | 29.88       | -54.95                | -2,402.49                         | -4,306.35  | 5,873.49             | 5,811.51              | 61.98                   | 94.759            |                    |         |
| 7,350.00                    | 7,032.02            | 7,014.66            | 7,014.39            | 37.23           | 29.96       | -59.84                | -2,402.59                         | -4,306.31  | 5,833.57             | 5,771.38              | 62.20                   | 93.794            |                    |         |
| 7,400.00                    | 7,047.15            | 7,029.68            | 7,029.41            | 37.77           | 30.03       | -65.52                | -2,402.67                         | -4,306.27  | 5,792.46             | 5,730.05              | 62.41                   | 92.815            |                    |         |
| 7,450.00                    | 7,058.51            | 7,040.93            | 7,040.65            | 38.34           | 30.07       | -71.96                | -2,402.73                         | -4,306.25  | 5,750.41             | 5,687.79              | 62.62                   | 91.825            |                    |         |
| 7,500.00                    | 7,066.02            | 7,048.33            | 7,048.05            | 38.95           | 30.11       | -79.06                | -2,402.77                         | -4,306.23  | 5,707.70             | 5,644.86              | 62.84                   | 90.827            |                    |         |
| 7,550.00                    | 7,069.64            | 7,051.84            | 7,051.56            | 39.58           | 30.12       | -86.63                | -2,402.79                         | -4,306.22  | 5,664.58             | 5,601.52              | 63.06                   | 89.826            |                    |         |
| 7,571.20                    | 7,070.00            | 7,052.14            | 7,051.87            | 39.85           | 30.12       | -89.91                | -2,402.79                         | -4,306.22  | 5,646.25             | 5,583.09              | 63.16                   | 89.401            |                    |         |
| 7,600.00                    | 7,070.00            | 7,052.08            | 7,051.81            | 40.23           | 30.12       | -89.91                | -2,402.79                         | -4,306.22  | 5,621.34             | 5,558.06              | 63.29                   | 88.823            |                    |         |
| 7,700.00                    | 7,070.01            | 7,051.87            | 7,051.59            | 41.64           | 30.12       | -89.90                | -2,402.79                         | -4,306.22  | 5,535.18             | 5,471.38              | 63.80                   | 86.760            |                    |         |
| 7,800.00                    | 7,070.02            | 7,051.65            | 7,051.38            | 43.20           | 30.12       | -89.90                | -2,402.79                         | -4,306.22  | 5,449.48             | 5,385.08              | 64.40                   | 84.621            |                    |         |
| 7,900.00                    | 7,070.03            | 7,051.44            | 7,051.16            | 44.89           | 30.12       | -89.89                | -2,402.78                         | -4,306.22  | 5,364.28             | 5,299.19              | 65.09                   | 82.413            |                    |         |
| 8,000.00                    | 7,070.04            | 7,051.22            | 7,050.95            | 46.69           | 30.12       | -89.89                | -2,402.78                         | -4,306.22  | 5,279.60             | 5,213.72              | 65.88                   | 80.143            |                    |         |
| 8,100.00                    | 7,070.05            | 7,051.01            | 7,050.73            | 48.60           | 30.12       | -89.88                | -2,402.78                         | -4,306.23  | 5,195.46             | 5,128.70              | 66.76                   | 77.821            |                    |         |
| 8,200.00                    | 7,070.05            | 7,050.80            | 7,050.52            | 50.59           | 30.12       | -89.88                | -2,402.78                         | -4,306.23  | 5,111.90             | 5,044.15              | 67.75                   | 75.457            |                    |         |
| 8,300.00                    | 7,070.06            | 7,050.58            | 7,050.31            | 52.66           | 30.12       | -89.88                | -2,402.78                         | -4,306.23  | 5,028.93             | 4,960.10              | 68.83                   | 73.061            |                    |         |
| 8,400.00                    | 7,070.07            | 7,050.37            | 7,050.09            | 54.81           | 30.11       | -89.87                | -2,402.78                         | -4,306.23  | 4,946.60             | 4,876.58              | 70.02                   | 70.643            |                    |         |
| 8,500.00                    | 7,070.08            | 7,050.15            | 7,049.88            | 57.02           | 30.11       | -89.87                | -2,402.78                         | -4,306.23  | 4,864.93             | 4,793.61              | 71.32                   | 68.215            |                    |         |
| 8,600.00                    | 7,070.09            | 7,049.94            | 7,049.66            | 59.28           | 30.11       | -89.86                | -2,402.78                         | -4,306.23  | 4,783.95             | 4,711.23              | 72.72                   | 65.786            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                    | 7,070.10            | 7,049.72            | 7,049.45            | 61.60           | 30.11       | -89.86                | -2,402.78                         | -4,306.23  | 4,703.70             | 4,629.48              | 74.23                   | 63.367            |                    |         |
| 8,800.00                    | 7,070.11            | 7,049.51            | 7,049.24            | 63.95           | 30.11       | -89.85                | -2,402.77                         | -4,306.23  | 4,624.23             | 4,548.38              | 75.85                   | 60.968            |                    |         |
| 8,900.00                    | 7,070.12            | 7,049.30            | 7,049.02            | 66.35           | 30.11       | -89.85                | -2,402.77                         | -4,306.23  | 4,545.57             | 4,467.99              | 77.57                   | 58.596            |                    |         |
| 9,000.00                    | 7,070.13            | 7,049.08            | 7,048.81            | 68.79           | 30.11       | -89.85                | -2,402.77                         | -4,306.23  | 4,467.76             | 4,388.34              | 79.41                   | 56.261            |                    |         |
| 9,100.00                    | 7,070.13            | 7,048.87            | 7,048.59            | 71.25           | 30.11       | -89.84                | -2,402.77                         | -4,306.23  | 4,390.84             | 4,309.48              | 81.36                   | 53.969            |                    |         |
| 9,200.00                    | 7,070.14            | 7,048.65            | 7,048.38            | 73.74           | 30.11       | -89.84                | -2,402.77                         | -4,306.23  | 4,314.88             | 4,231.46              | 83.42                   | 51.726            |                    |         |
| 9,300.00                    | 7,070.15            | 7,048.44            | 7,048.16            | 76.26           | 30.11       | -89.83                | -2,402.77                         | -4,306.23  | 4,239.91             | 4,154.32              | 85.59                   | 49.538            |                    |         |
| 9,400.00                    | 7,070.16            | 7,048.22            | 7,047.95            | 78.80           | 30.11       | -89.83                | -2,402.77                         | -4,306.23  | 4,165.99             | 4,078.12              | 87.87                   | 47.410            |                    |         |
| 9,500.00                    | 7,070.17            | 7,048.01            | 7,047.74            | 81.37           | 30.10       | -89.82                | -2,402.77                         | -4,306.23  | 4,093.19             | 4,002.92              | 90.27                   | 45.346            |                    |         |
| 9,600.00                    | 7,070.18            | 7,047.80            | 7,047.52            | 83.95           | 30.10       | -89.82                | -2,402.77                         | -4,306.23  | 4,021.55             | 3,928.77              | 92.77                   | 43.349            |                    |         |
| 9,700.00                    | 7,070.19            | 7,047.58            | 7,047.31            | 86.55           | 30.10       | -89.82                | -2,402.76                         | -4,306.23  | 3,951.14             | 3,855.75              | 95.39                   | 41.421            |                    |         |
| 9,800.00                    | 7,070.20            | 7,047.37            | 7,047.09            | 89.17           | 30.10       | -89.81                | -2,402.76                         | -4,306.23  | 3,882.03             | 3,783.91              | 98.12                   | 39.564            |                    |         |
| 9,900.00                    | 7,070.21            | 7,047.15            | 7,046.88            | 91.80           | 30.10       | -89.81                | -2,402.76                         | -4,306.23  | 3,814.29             | 3,713.33              | 100.96                  | 37.780            |                    |         |
| 10,000.00                   | 7,070.21            | 7,046.94            | 7,046.66            | 94.44           | 30.10       | -89.80                | -2,402.76                         | -4,306.23  | 3,748.00             | 3,644.09              | 103.91                  | 36.069            |                    |         |
| 10,100.00                   | 7,070.22            | 7,046.73            | 7,046.45            | 97.10           | 30.10       | -89.80                | -2,402.76                         | -4,306.23  | 3,683.23             | 3,576.26              | 106.97                  | 34.432            |                    |         |
| 10,200.00                   | 7,070.23            | 7,046.51            | 7,046.24            | 99.77           | 30.10       | -89.79                | -2,402.76                         | -4,306.24  | 3,620.06             | 3,509.93              | 110.13                  | 32.870            |                    |         |
| 10,300.00                   | 7,070.24            | 7,046.30            | 7,046.02            | 102.44          | 30.10       | -89.79                | -2,402.76                         | -4,306.24  | 3,558.58             | 3,445.18              | 113.40                  | 31.381            |                    |         |
| 10,400.00                   | 7,070.25            | 7,046.08            | 7,045.81            | 105.13          | 30.10       | -89.78                | -2,402.76                         | -4,306.24  | 3,498.88             | 3,382.11              | 116.77                  | 29.965            |                    |         |
| 10,500.00                   | 7,070.26            | 7,045.87            | 7,045.59            | 107.83          | 30.10       | -89.78                | -2,402.76                         | -4,306.24  | 3,441.05             | 3,320.82              | 120.23                  | 28.621            |                    |         |
| 10,600.00                   | 7,070.27            | 7,045.65            | 7,045.38            | 110.53          | 30.09       | -89.78                | -2,402.75                         | -4,306.24  | 3,385.19             | 3,261.41              | 123.78                  | 27.348            |                    |         |
| 10,700.00                   | 7,070.28            | 7,045.44            | 7,045.17            | 113.24          | 30.09       | -89.77                | -2,402.75                         | -4,306.24  | 3,331.39             | 3,203.97              | 127.42                  | 26.146            |                    |         |
| 10,800.00                   | 7,070.28            | 7,045.23            | 7,044.95            | 115.96          | 30.09       | -89.77                | -2,402.75                         | -4,306.24  | 3,279.76             | 3,148.63              | 131.13                  | 25.012            |                    |         |
| 10,900.00                   | 7,070.29            | 7,045.01            | 7,044.74            | 118.69          | 30.09       | -89.76                | -2,402.75                         | -4,306.24  | 3,230.40             | 3,095.49              | 134.90                  | 23.946            |                    |         |
| 11,000.00                   | 7,070.30            | 7,044.80            | 7,044.52            | 121.42          | 30.09       | -89.76                | -2,402.75                         | -4,306.24  | 3,183.42             | 3,044.68              | 138.74                  | 22.945            |                    |         |
| 11,100.00                   | 7,070.31            | 7,044.58            | 7,044.31            | 124.16          | 30.09       | -89.75                | -2,402.75                         | -4,306.24  | 3,138.92             | 2,996.30              | 142.62                  | 22.009            |                    |         |
| 11,200.00                   | 7,070.32            | 7,044.37            | 7,044.09            | 126.90          | 30.09       | -89.75                | -2,402.75                         | -4,306.24  | 3,097.01             | 2,950.47              | 146.54                  | 21.135            |                    |         |
| 11,300.00                   | 7,070.33            | 7,044.15            | 7,043.88            | 129.65          | 30.09       | -89.75                | -2,402.75                         | -4,306.24  | 3,057.80             | 2,907.33              | 150.47                  | 20.321            |                    |         |
| 11,400.00                   | 7,070.34            | 7,043.94            | 7,043.67            | 132.40          | 30.09       | -89.74                | -2,402.74                         | -4,306.24  | 3,021.39             | 2,866.98              | 154.41                  | 19.567            |                    |         |
| 11,500.00                   | 7,070.35            | 7,043.73            | 7,043.45            | 135.16          | 30.09       | -89.74                | -2,402.74                         | -4,306.24  | 2,987.89             | 2,829.55              | 158.34                  | 18.870            |                    |         |
| 11,600.00                   | 7,070.36            | 7,043.51            | 7,043.24            | 137.92          | 30.09       | -89.73                | -2,402.74                         | -4,306.24  | 2,957.39             | 2,795.15              | 162.24                  | 18.229            |                    |         |
| 11,700.00                   | 7,070.36            | 7,043.30            | 7,043.02            | 140.69          | 30.08       | -89.73                | -2,402.74                         | -4,306.24  | 2,929.98             | 2,763.89              | 166.09                  | 17.641            |                    |         |
| 11,800.00                   | 7,070.37            | 7,043.08            | 7,042.81            | 143.46          | 30.08       | -89.72                | -2,402.74                         | -4,306.24  | 2,905.76             | 2,735.89              | 169.87                  | 17.106            |                    |         |
| 11,900.00                   | 7,070.38            | 7,042.87            | 7,042.59            | 146.23          | 30.08       | -89.72                | -2,402.74                         | -4,306.24  | 2,884.81             | 2,711.24              | 173.57                  | 16.620            |                    |         |
| 12,000.00                   | 7,070.39            | 7,042.65            | 7,042.38            | 149.01          | 30.08       | -89.72                | -2,402.74                         | -4,306.24  | 2,867.19             | 2,690.02              | 177.17                  | 16.184            |                    |         |
| 12,100.00                   | 7,070.40            | 7,042.44            | 7,042.17            | 151.79          | 30.08       | -89.71                | -2,402.74                         | -4,306.24  | 2,852.97             | 2,672.33              | 180.64                  | 15.794            |                    |         |
| 12,200.00                   | 7,070.41            | 7,042.23            | 7,041.95            | 154.57          | 30.08       | -89.71                | -2,402.74                         | -4,306.24  | 2,842.20             | 2,658.23              | 183.97                  | 15.449            |                    |         |
| 12,300.00                   | 7,070.42            | 7,042.01            | 7,041.74            | 157.35          | 30.08       | -89.70                | -2,402.73                         | -4,306.25  | 2,834.92             | 2,647.77              | 187.15                  | 15.148            |                    |         |
| 12,400.00                   | 7,070.43            | 7,041.80            | 7,041.52            | 160.14          | 30.08       | -89.70                | -2,402.73                         | -4,306.25  | 2,831.15             | 2,641.00              | 190.15                  | 14.889            |                    |         |
| 12,456.69                   | 7,070.43            | 7,041.68            | 7,041.40            | 161.72          | 30.08       | -89.70                | -2,402.73                         | -4,306.25  | 2,830.59             | 2,638.81              | 191.78                  | 14.760 CC         |                    |         |
| 12,500.00                   | 7,070.44            | 7,041.58            | 7,041.31            | 162.93          | 30.08       | -89.69                | -2,402.73                         | -4,306.25  | 2,830.92             | 2,637.94              | 192.98                  | 14.670 ES         |                    |         |
| 12,600.00                   | 7,070.44            | 7,041.37            | 7,041.09            | 165.72          | 30.08       | -89.69                | -2,402.73                         | -4,306.25  | 2,834.21             | 2,638.61              | 195.60                  | 14.490            |                    |         |
| 12,700.00                   | 7,070.45            | 7,041.16            | 7,040.88            | 168.52          | 30.08       | -89.69                | -2,402.73                         | -4,306.25  | 2,841.02             | 2,643.01              | 198.02                  | 14.347            |                    |         |
| 12,800.00                   | 7,070.46            | 7,040.94            | 7,040.67            | 171.32          | 30.07       | -89.68                | -2,402.73                         | -4,306.25  | 2,851.33             | 2,651.10              | 200.23                  | 14.240            |                    |         |
| 12,900.00                   | 7,070.47            | 7,040.73            | 7,040.45            | 174.11          | 30.07       | -89.68                | -2,402.73                         | -4,306.25  | 2,865.09             | 2,662.87              | 202.22                  | 14.168            |                    |         |
| 13,000.00                   | 7,070.48            | 7,040.51            | 7,040.24            | 176.92          | 30.07       | -89.67                | -2,402.73                         | -4,306.25  | 2,882.26             | 2,678.26              | 204.00                  | 14.129            |                    |         |
| 13,100.00                   | 7,070.49            | 7,040.30            | 7,040.02            | 179.72          | 30.07       | -89.67                | -2,402.73                         | -4,306.25  | 2,902.77             | 2,697.21              | 205.56                  | 14.121 SF         |                    |         |
| 13,200.00                   | 7,070.50            | 7,040.08            | 7,039.81            | 182.52          | 30.07       | -89.66                | -2,402.72                         | -4,306.25  | 2,926.56             | 2,719.65              | 206.91                  | 14.144            |                    |         |
| 13,300.00                   | 7,070.51            | 7,039.87            | 7,039.60            | 185.33          | 30.07       | -89.66                | -2,402.72                         | -4,306.25  | 2,953.54             | 2,745.49              | 208.05                  | 14.196            |                    |         |
| 13,400.00                   | 7,070.52            | 7,039.66            | 7,039.38            | 188.14          | 30.07       | -89.65                | -2,402.72                         | -4,306.25  | 2,983.63             | 2,774.64              | 209.00                  | 14.276            |                    |         |
| 13,500.00                   | 7,070.52            | 7,039.44            | 7,039.17            | 190.95          | 30.07       | -89.65                | -2,402.72                         | -4,306.25  | 3,016.74             | 2,806.99              | 209.75                  | 14.383            |                    |         |
| 13,600.00                   | 7,070.53            | 7,039.23            | 7,038.95            | 193.76          | 30.07       | -89.65                | -2,402.72                         | -4,306.25  | 3,052.77             | 2,842.45              | 210.31                  | 14.515            |                    |         |
| 13,700.00                   | 7,070.54            | 7,039.01            | 7,038.74            | 196.57          | 30.07       | -89.64                | -2,402.72                         | -4,306.25  | 3,091.61             | 2,880.90              | 210.71                  | 14.672            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,800.00                   | 7,070.55            | 7,038.80            | 7,038.52            | 199.38          | 30.07       | -89.64                | -2,402.72                         | -4,306.25  | 3,133.16             | 2,922.22              | 210.95                  | 14.853            |                    |         |
| 13,900.00                   | 7,070.56            | 7,038.58            | 7,038.31            | 202.20          | 30.06       | -89.63                | -2,402.72                         | -4,306.25  | 3,177.32             | 2,966.29              | 211.03                  | 15.056            |                    |         |
| 14,000.00                   | 7,070.57            | 7,038.37            | 7,038.10            | 205.01          | 30.06       | -89.63                | -2,402.72                         | -4,306.25  | 3,223.98             | 3,012.99              | 210.98                  | 15.281            |                    |         |
| 14,100.00                   | 7,070.58            | 7,038.16            | 7,037.88            | 207.83          | 30.06       | -89.62                | -2,402.71                         | -4,306.25  | 3,273.02             | 3,062.22              | 210.81                  | 15.526            |                    |         |
| 14,200.00                   | 7,070.59            | 7,037.94            | 7,037.67            | 210.65          | 30.06       | -89.62                | -2,402.71                         | -4,306.25  | 3,324.36             | 3,113.84              | 210.52                  | 15.791            |                    |         |
| 14,300.00                   | 7,070.60            | 7,037.73            | 7,037.45            | 213.47          | 30.06       | -89.62                | -2,402.71                         | -4,306.25  | 3,377.87             | 3,167.75              | 210.12                  | 16.076            |                    |         |
| 14,400.00                   | 7,070.60            | 7,037.51            | 7,037.24            | 216.29          | 30.06       | -89.61                | -2,402.71                         | -4,306.26  | 3,433.46             | 3,223.82              | 209.64                  | 16.378            |                    |         |
| 14,500.00                   | 7,070.61            | 7,037.30            | 7,037.02            | 219.11          | 30.06       | -89.61                | -2,402.71                         | -4,306.26  | 3,491.04             | 3,281.96              | 209.07                  | 16.698            |                    |         |
| 14,600.00                   | 7,070.62            | 7,037.08            | 7,036.81            | 221.94          | 30.06       | -89.60                | -2,402.71                         | -4,306.26  | 3,550.49             | 3,342.06              | 208.44                  | 17.034            |                    |         |
| 14,700.00                   | 7,070.63            | 7,036.87            | 7,036.60            | 224.76          | 30.06       | -89.60                | -2,402.71                         | -4,306.26  | 3,611.74             | 3,404.00              | 207.73                  | 17.386            |                    |         |
| 14,800.00                   | 7,070.64            | 7,036.66            | 7,036.38            | 227.58          | 30.06       | -89.59                | -2,402.71                         | -4,306.26  | 3,674.69             | 3,467.71              | 206.98                  | 17.754            |                    |         |
| 14,900.00                   | 7,070.65            | 7,036.44            | 7,036.17            | 230.41          | 30.06       | -89.59                | -2,402.71                         | -4,306.26  | 3,739.25             | 3,533.07              | 206.18                  | 18.136            |                    |         |
| 15,000.00                   | 7,070.66            | 7,036.23            | 7,035.95            | 233.24          | 30.05       | -89.59                | -2,402.70                         | -4,306.26  | 3,805.34             | 3,600.01              | 205.33                  | 18.532            |                    |         |
| 15,100.00                   | 7,070.67            | 7,036.01            | 7,035.74            | 236.06          | 30.05       | -89.58                | -2,402.70                         | -4,306.26  | 3,872.89             | 3,668.44              | 204.46                  | 18.942            |                    |         |
| 15,200.00                   | 7,070.68            | 7,035.80            | 7,035.52            | 238.89          | 30.05       | -89.58                | -2,402.70                         | -4,306.26  | 3,941.82             | 3,738.27              | 203.56                  | 19.365            |                    |         |
| 15,300.00                   | 7,070.68            | 7,035.59            | 7,035.31            | 241.72          | 30.05       | -89.57                | -2,402.70                         | -4,306.26  | 4,012.06             | 3,809.43              | 202.63                  | 19.800            |                    |         |
| 15,400.00                   | 7,070.69            | 7,035.37            | 7,035.10            | 244.55          | 30.05       | -89.57                | -2,402.70                         | -4,306.26  | 4,083.54             | 3,881.85              | 201.69                  | 20.247            |                    |         |
| 15,500.00                   | 7,070.70            | 7,035.16            | 7,034.88            | 247.38          | 30.05       | -89.56                | -2,402.70                         | -4,306.26  | 4,156.19             | 3,955.46              | 200.73                  | 20.705            |                    |         |
| 15,600.00                   | 7,070.71            | 7,034.94            | 7,034.67            | 250.21          | 30.05       | -89.56                | -2,402.70                         | -4,306.26  | 4,229.97             | 4,030.19              | 199.77                  | 21.174            |                    |         |
| 15,700.00                   | 7,070.72            | 7,034.73            | 7,034.45            | 253.04          | 30.05       | -89.56                | -2,402.70                         | -4,306.26  | 4,304.80             | 4,105.99              | 198.80                  | 21.654            |                    |         |
| 15,800.00                   | 7,070.73            | 7,034.51            | 7,034.24            | 255.87          | 30.05       | -89.55                | -2,402.69                         | -4,306.26  | 4,380.63             | 4,182.80              | 197.83                  | 22.143            |                    |         |
| 15,900.00                   | 7,070.74            | 7,034.30            | 7,034.03            | 258.71          | 30.05       | -89.55                | -2,402.69                         | -4,306.26  | 4,457.42             | 4,260.56              | 196.86                  | 22.643            |                    |         |
| 16,000.00                   | 7,070.75            | 7,034.09            | 7,033.81            | 261.54          | 30.05       | -89.54                | -2,402.69                         | -4,306.26  | 4,535.11             | 4,339.22              | 195.89                  | 23.151            |                    |         |
| 16,100.00                   | 7,070.76            | 7,033.87            | 7,033.60            | 264.37          | 30.04       | -89.54                | -2,402.69                         | -4,306.26  | 4,613.66             | 4,418.74              | 194.93                  | 23.669            |                    |         |
| 16,200.00                   | 7,070.76            | 7,033.66            | 7,033.38            | 267.21          | 30.04       | -89.53                | -2,402.69                         | -4,306.26  | 4,693.03             | 4,499.06              | 193.97                  | 24.195            |                    |         |
| 16,300.00                   | 7,070.77            | 7,033.44            | 7,033.17            | 270.04          | 30.04       | -89.53                | -2,402.69                         | -4,306.26  | 4,773.18             | 4,580.16              | 193.02                  | 24.729            |                    |         |
| 16,400.00                   | 7,070.78            | 7,033.23            | 7,032.95            | 272.88          | 30.04       | -89.52                | -2,402.69                         | -4,306.26  | 4,854.06             | 4,661.98              | 192.08                  | 25.271            |                    |         |
| 16,500.00                   | 7,070.79            | 7,033.01            | 7,032.74            | 275.71          | 30.04       | -89.52                | -2,402.69                         | -4,306.27  | 4,935.64             | 4,744.49              | 191.15                  | 25.821            |                    |         |
| 16,600.00                   | 7,070.80            | 7,032.80            | 7,032.53            | 278.55          | 30.04       | -89.52                | -2,402.69                         | -4,306.27  | 5,017.89             | 4,827.66              | 190.23                  | 26.378            |                    |         |
| 16,700.00                   | 7,070.81            | 7,032.59            | 7,032.31            | 281.39          | 30.04       | -89.51                | -2,402.68                         | -4,306.27  | 5,100.77             | 4,911.45              | 189.32                  | 26.942            |                    |         |
| 16,800.00                   | 7,070.82            | 7,032.37            | 7,032.10            | 284.22          | 30.04       | -89.51                | -2,402.68                         | -4,306.27  | 5,184.26             | 4,995.83              | 188.43                  | 27.513            |                    |         |
| 16,900.00                   | 7,070.83            | 7,032.16            | 7,031.88            | 287.06          | 30.04       | -89.50                | -2,402.68                         | -4,306.27  | 5,268.32             | 5,080.77              | 187.55                  | 28.090            |                    |         |
| 17,000.00                   | 7,070.84            | 7,031.94            | 7,031.67            | 289.90          | 30.04       | -89.50                | -2,402.68                         | -4,306.27  | 5,352.93             | 5,166.24              | 186.68                  | 28.674            |                    |         |
| 17,100.00                   | 7,070.84            | 7,031.73            | 7,031.45            | 292.74          | 30.04       | -89.49                | -2,402.68                         | -4,306.27  | 5,438.06             | 5,252.23              | 185.83                  | 29.263            |                    |         |
| 17,200.00                   | 7,070.85            | 7,031.51            | 7,031.24            | 295.58          | 30.03       | -89.49                | -2,402.68                         | -4,306.27  | 5,523.69             | 5,338.70              | 184.99                  | 29.859            |                    |         |
| 17,300.00                   | 7,070.86            | 7,031.30            | 7,031.03            | 298.42          | 30.03       | -89.49                | -2,402.68                         | -4,306.27  | 5,609.80             | 5,425.62              | 184.17                  | 30.460            |                    |         |
| 17,400.00                   | 7,070.87            | 7,031.09            | 7,030.81            | 301.26          | 30.03       | -89.48                | -2,402.68                         | -4,306.27  | 5,696.36             | 5,512.99              | 183.36                  | 31.066            |                    |         |
| 17,500.00                   | 7,070.88            | 7,030.87            | 7,030.60            | 304.10          | 30.03       | -89.48                | -2,402.68                         | -4,306.27  | 5,783.35             | 5,600.78              | 182.57                  | 31.678            |                    |         |
| 17,600.00                   | 7,070.89            | 7,030.66            | 7,030.38            | 306.94          | 30.03       | -89.47                | -2,402.67                         | -4,306.27  | 5,870.76             | 5,688.97              | 181.79                  | 32.294            |                    |         |
| 17,700.00                   | 7,070.90            | 7,030.44            | 7,030.17            | 309.78          | 30.03       | -89.47                | -2,402.67                         | -4,306.27  | 5,958.56             | 5,777.53              | 181.03                  | 32.915            |                    |         |
| 17,800.00                   | 7,070.91            | 7,030.23            | 7,029.96            | 312.62          | 30.03       | -89.46                | -2,402.67                         | -4,306.27  | 6,046.74             | 5,866.47              | 180.28                  | 33.541            |                    |         |
| 17,900.00                   | 7,070.92            | 7,030.02            | 7,029.74            | 315.46          | 30.03       | -89.46                | -2,402.67                         | -4,306.27  | 6,135.29             | 5,955.75              | 179.54                  | 34.172            |                    |         |
| 18,000.00                   | 7,070.92            | 7,029.80            | 7,029.53            | 318.31          | 30.03       | -89.46                | -2,402.67                         | -4,306.27  | 6,224.18             | 6,045.36              | 178.82                  | 34.806            |                    |         |
| 18,100.00                   | 7,070.93            | 7,029.59            | 7,029.31            | 321.15          | 30.03       | -89.45                | -2,402.67                         | -4,306.27  | 6,313.40             | 6,135.29              | 178.12                  | 35.445            |                    |         |
| 18,200.00                   | 7,070.94            | 7,029.37            | 7,029.10            | 323.99          | 30.03       | -89.45                | -2,402.67                         | -4,306.27  | 6,402.95             | 6,225.52              | 177.43                  | 36.088            |                    |         |
| 18,300.00                   | 7,070.95            | 7,029.16            | 7,028.88            | 326.83          | 30.02       | -89.44                | -2,402.67                         | -4,306.27  | 6,492.80             | 6,316.05              | 176.75                  | 36.735            |                    |         |
| 18,400.00                   | 7,070.96            | 7,028.94            | 7,028.67            | 329.68          | 30.02       | -89.44                | -2,402.67                         | -4,306.27  | 6,582.94             | 6,406.85              | 176.09                  | 37.385            |                    |         |
| 18,500.00                   | 7,070.97            | 7,028.73            | 7,028.46            | 332.52          | 30.02       | -89.43                | -2,402.66                         | -4,306.27  | 6,673.36             | 6,497.92              | 175.44                  | 38.039            |                    |         |
| 18,600.00                   | 7,070.98            | 7,028.52            | 7,028.24            | 335.36          | 30.02       | -89.43                | -2,402.66                         | -4,306.28  | 6,764.05             | 6,589.25              | 174.80                  | 38.696            |                    |         |
| 18,700.00                   | 7,070.99            | 7,028.30            | 7,028.03            | 338.21          | 30.02       | -89.43                | -2,402.66                         | -4,306.28  | 6,855.00             | 6,680.82              | 174.18                  | 39.357            |                    |         |
| 18,800.00                   | 7,070.99            | 7,028.09            | 7,027.81            | 341.05          | 30.02       | -89.42                | -2,402.66                         | -4,306.28  | 6,946.20             | 6,772.63              | 173.57                  | 40.021            |                    |         |
| 18,858.54                   | 7,071.00            | 7,027.96            | 7,027.69            | 342.72          | 30.02       | -89.42                | -2,402.66                         | -4,306.28  | 6,999.70             | 6,826.48              | 173.21                  | 40.411            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 740-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 9,400.00                | 7,070.16            | 10,137.00           | 7,280.66            | 78.80           | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,940.71             | 9,840.63              | 100.08                  | 99.328            |                    |         |
| 9,500.00                | 7,070.17            | 10,137.00           | 7,280.66            | 81.37           | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,840.73             | 9,740.62              | 100.11                  | 98.300            |                    |         |
| 9,600.00                | 7,070.18            | 10,137.00           | 7,280.66            | 83.95           | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,740.75             | 9,640.61              | 100.14                  | 97.271            |                    |         |
| 9,700.00                | 7,070.19            | 10,137.00           | 7,280.66            | 86.55           | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,640.78             | 9,540.61              | 100.17                  | 96.241            |                    |         |
| 9,800.00                | 7,070.20            | 10,137.00           | 7,280.66            | 89.17           | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,540.80             | 9,440.60              | 100.21                  | 95.211            |                    |         |
| 9,900.00                | 7,070.21            | 10,137.00           | 7,280.66            | 91.80           | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,440.83             | 9,340.59              | 100.24                  | 94.180            |                    |         |
| 10,000.00               | 7,070.21            | 10,137.00           | 7,280.66            | 94.44           | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,340.86             | 9,240.58              | 100.28                  | 93.149            |                    |         |
| 10,100.00               | 7,070.22            | 10,137.00           | 7,280.66            | 97.10           | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,240.88             | 9,140.57              | 100.32                  | 92.117            |                    |         |
| 10,200.00               | 7,070.23            | 10,137.00           | 7,280.66            | 99.77           | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,140.91             | 9,040.55              | 100.36                  | 91.085            |                    |         |
| 10,300.00               | 7,070.24            | 10,137.00           | 7,280.66            | 102.44          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 9,040.94             | 8,940.54              | 100.40                  | 90.052            |                    |         |
| 10,400.00               | 7,070.25            | 10,137.00           | 7,280.66            | 105.13          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,940.97             | 8,840.53              | 100.44                  | 89.019            |                    |         |
| 10,500.00               | 7,070.26            | 10,137.00           | 7,280.66            | 107.83          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,841.00             | 8,740.51              | 100.48                  | 87.985            |                    |         |
| 10,600.00               | 7,070.27            | 10,137.00           | 7,280.66            | 110.53          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,741.03             | 8,640.50              | 100.53                  | 86.952            |                    |         |
| 10,700.00               | 7,070.28            | 10,137.00           | 7,280.66            | 113.24          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,641.06             | 8,540.48              | 100.57                  | 85.918            |                    |         |
| 10,800.00               | 7,070.28            | 10,137.00           | 7,280.66            | 115.96          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,541.09             | 8,440.47              | 100.62                  | 84.884            |                    |         |
| 10,900.00               | 7,070.29            | 10,137.00           | 7,280.66            | 118.69          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,441.12             | 8,340.45              | 100.67                  | 83.849            |                    |         |
| 11,000.00               | 7,070.30            | 10,137.00           | 7,280.66            | 121.42          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,341.15             | 8,240.43              | 100.72                  | 82.815            |                    |         |
| 11,100.00               | 7,070.31            | 10,137.00           | 7,280.66            | 124.16          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,241.19             | 8,140.42              | 100.77                  | 81.780            |                    |         |
| 11,200.00               | 7,070.32            | 10,137.00           | 7,280.66            | 126.90          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,141.22             | 8,040.40              | 100.83                  | 80.746            |                    |         |
| 11,300.00               | 7,070.33            | 10,137.00           | 7,280.66            | 129.65          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 8,041.26             | 7,940.38              | 100.88                  | 79.711            |                    |         |
| 11,400.00               | 7,070.34            | 10,137.00           | 7,280.66            | 132.40          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,941.30             | 7,840.36              | 100.94                  | 78.676            |                    |         |
| 11,500.00               | 7,070.35            | 10,137.00           | 7,280.66            | 135.16          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,841.33             | 7,740.34              | 100.99                  | 77.641            |                    |         |
| 11,600.00               | 7,070.36            | 10,137.00           | 7,280.66            | 137.92          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,741.37             | 7,640.32              | 101.05                  | 76.607            |                    |         |
| 11,700.00               | 7,070.36            | 10,137.00           | 7,280.66            | 140.69          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,641.41             | 7,540.30              | 101.11                  | 75.572            |                    |         |
| 11,800.00               | 7,070.37            | 10,137.00           | 7,280.66            | 143.46          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,541.45             | 7,440.27              | 101.18                  | 74.538            |                    |         |
| 11,900.00               | 7,070.38            | 10,137.00           | 7,280.66            | 146.23          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,441.49             | 7,340.25              | 101.24                  | 73.504            |                    |         |
| 12,000.00               | 7,070.39            | 10,137.00           | 7,280.66            | 149.01          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,341.53             | 7,240.23              | 101.30                  | 72.470            |                    |         |
| 12,100.00               | 7,070.40            | 10,137.00           | 7,280.66            | 151.79          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,241.58             | 7,140.21              | 101.37                  | 71.436            |                    |         |
| 12,200.00               | 7,070.41            | 10,137.00           | 7,280.66            | 154.57          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,141.62             | 7,040.18              | 101.44                  | 70.403            |                    |         |
| 12,300.00               | 7,070.42            | 10,137.00           | 7,280.66            | 157.35          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 7,041.67             | 6,940.16              | 101.51                  | 69.370            |                    |         |
| 12,400.00               | 7,070.43            | 10,137.00           | 7,280.66            | 160.14          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,941.72             | 6,840.14              | 101.58                  | 68.337            |                    |         |
| 12,500.00               | 7,070.44            | 10,137.00           | 7,280.66            | 162.93          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,841.77             | 6,740.11              | 101.65                  | 67.305            |                    |         |
| 12,600.00               | 7,070.44            | 10,137.00           | 7,280.66            | 165.72          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,741.82             | 6,640.09              | 101.73                  | 66.273            |                    |         |
| 12,700.00               | 7,070.45            | 10,137.00           | 7,280.66            | 168.52          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,641.87             | 6,540.06              | 101.80                  | 65.242            |                    |         |
| 12,800.00               | 7,070.46            | 10,137.00           | 7,280.66            | 171.32          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,541.92             | 6,440.04              | 101.88                  | 64.211            |                    |         |
| 12,900.00               | 7,070.47            | 10,137.00           | 7,280.66            | 174.11          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,441.98             | 6,340.02              | 101.96                  | 63.180            |                    |         |
| 13,000.00               | 7,070.48            | 10,137.00           | 7,280.66            | 176.92          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,342.03             | 6,239.99              | 102.04                  | 62.150            |                    |         |
| 13,100.00               | 7,070.49            | 10,137.00           | 7,280.66            | 179.72          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,242.09             | 6,139.97              | 102.13                  | 61.121            |                    |         |
| 13,200.00               | 7,070.50            | 10,137.00           | 7,280.66            | 182.52          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,142.15             | 6,039.94              | 102.21                  | 60.093            |                    |         |
| 13,300.00               | 7,070.51            | 10,137.00           | 7,280.66            | 185.33          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 6,042.22             | 5,939.92              | 102.30                  | 59.065            |                    |         |
| 13,400.00               | 7,070.52            | 10,137.00           | 7,280.66            | 188.14          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,942.28             | 5,839.89              | 102.39                  | 58.037            |                    |         |
| 13,500.00               | 7,070.52            | 10,137.00           | 7,280.66            | 190.95          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,842.35             | 5,739.87              | 102.48                  | 57.011            |                    |         |
| 13,600.00               | 7,070.53            | 10,137.00           | 7,280.66            | 193.76          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,742.42             | 5,639.85              | 102.57                  | 55.985            |                    |         |
| 13,700.00               | 7,070.54            | 10,137.00           | 7,280.66            | 196.57          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,642.49             | 5,539.82              | 102.67                  | 54.960            |                    |         |
| 13,800.00               | 7,070.55            | 10,137.00           | 7,280.66            | 199.38          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,542.56             | 5,439.80              | 102.76                  | 53.936            |                    |         |
| 13,900.00               | 7,070.56            | 10,137.00           | 7,280.66            | 202.20          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,442.64             | 5,339.78              | 102.86                  | 52.913            |                    |         |
| 14,000.00               | 7,070.57            | 10,137.00           | 7,280.66            | 205.01          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,342.72             | 5,239.76              | 102.96                  | 51.890            |                    |         |
| 14,100.00               | 7,070.58            | 10,137.00           | 7,280.66            | 207.83          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,242.80             | 5,139.74              | 103.07                  | 50.868            |                    |         |
| 14,200.00               | 7,070.59            | 10,137.00           | 7,280.66            | 210.65          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,142.89             | 5,039.72              | 103.17                  | 49.848            |                    |         |
| 14,300.00               | 7,070.60            | 10,137.00           | 7,280.66            | 213.47          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 5,042.98             | 4,939.70              | 103.28                  | 48.828            |                    |         |
| 14,400.00               | 7,070.60            | 10,137.00           | 7,280.66            | 216.29          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,943.07             | 4,839.68              | 103.39                  | 47.809            |                    |         |
| 14,500.00               | 7,070.61            | 10,137.00           | 7,280.66            | 219.11          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,843.17             | 4,739.67              | 103.50                  | 46.792            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 740-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,600.00               | 7,070.62            | 10,137.00           | 7,280.66            | 221.94          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,743.27             | 4,639.65              | 103.62                  | 45.775            |                    |         |
| 14,700.00               | 7,070.63            | 10,137.00           | 7,280.66            | 224.76          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,643.38             | 4,539.64              | 103.74                  | 44.759            |                    |         |
| 14,800.00               | 7,070.64            | 10,137.00           | 7,280.66            | 227.58          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,543.49             | 4,439.63              | 103.86                  | 43.745            |                    |         |
| 14,900.00               | 7,070.65            | 10,137.00           | 7,280.66            | 230.41          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,443.60             | 4,339.62              | 103.99                  | 42.732            |                    |         |
| 15,000.00               | 7,070.66            | 10,137.00           | 7,280.66            | 233.24          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,343.72             | 4,239.61              | 104.12                  | 41.719            |                    |         |
| 15,100.00               | 7,070.67            | 10,137.00           | 7,280.66            | 236.06          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,243.85             | 4,139.60              | 104.25                  | 40.708            |                    |         |
| 15,200.00               | 7,070.68            | 10,137.00           | 7,280.66            | 238.89          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,143.98             | 4,039.60              | 104.39                  | 39.698            |                    |         |
| 15,300.00               | 7,070.68            | 10,137.00           | 7,280.66            | 241.72          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 4,044.12             | 3,939.60              | 104.53                  | 38.690            |                    |         |
| 15,400.00               | 7,070.69            | 10,137.00           | 7,280.66            | 244.55          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,944.27             | 3,839.60              | 104.67                  | 37.682            |                    |         |
| 15,500.00               | 7,070.70            | 10,137.00           | 7,280.66            | 247.38          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,844.42             | 3,739.60              | 104.82                  | 36.676            |                    |         |
| 15,600.00               | 7,070.71            | 10,137.00           | 7,280.66            | 250.21          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,744.58             | 3,639.61              | 104.98                  | 35.671            |                    |         |
| 15,700.00               | 7,070.72            | 10,137.00           | 7,280.66            | 253.04          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,644.75             | 3,539.62              | 105.13                  | 34.668            |                    |         |
| 15,800.00               | 7,070.73            | 10,137.00           | 7,280.66            | 255.87          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,544.93             | 3,439.63              | 105.30                  | 33.665            |                    |         |
| 15,900.00               | 7,070.74            | 10,137.00           | 7,280.66            | 258.71          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,445.13             | 3,339.65              | 105.47                  | 32.664            |                    |         |
| 16,000.00               | 7,070.75            | 10,137.00           | 7,280.66            | 261.54          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,345.33             | 3,239.68              | 105.65                  | 31.665            |                    |         |
| 16,100.00               | 7,070.76            | 10,137.00           | 7,280.66            | 264.37          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,245.54             | 3,139.71              | 105.83                  | 30.667            |                    |         |
| 16,200.00               | 7,070.76            | 10,137.00           | 7,280.66            | 267.21          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,145.77             | 3,039.74              | 106.03                  | 29.670            |                    |         |
| 16,300.00               | 7,070.77            | 10,137.00           | 7,280.66            | 270.04          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 3,046.01             | 2,939.79              | 106.23                  | 28.674            |                    |         |
| 16,400.00               | 7,070.78            | 10,137.00           | 7,280.66            | 272.88          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,946.27             | 2,839.83              | 106.44                  | 27.680            |                    |         |
| 16,500.00               | 7,070.79            | 10,137.00           | 7,280.66            | 275.71          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,846.55             | 2,739.89              | 106.66                  | 26.688            |                    |         |
| 16,600.00               | 7,070.80            | 10,137.00           | 7,280.66            | 278.55          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,746.85             | 2,639.96              | 106.89                  | 25.697            |                    |         |
| 16,700.00               | 7,070.81            | 10,137.00           | 7,280.66            | 281.39          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,647.17             | 2,540.03              | 107.14                  | 24.708            |                    |         |
| 16,800.00               | 7,070.82            | 10,137.00           | 7,280.66            | 284.22          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,547.51             | 2,440.11              | 107.40                  | 23.720            |                    |         |
| 16,900.00               | 7,070.83            | 10,137.00           | 7,280.66            | 287.06          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,447.89             | 2,340.21              | 107.68                  | 22.733            |                    |         |
| 17,000.00               | 7,070.84            | 10,137.00           | 7,280.66            | 289.90          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,348.29             | 2,240.32              | 107.97                  | 21.749            |                    |         |
| 17,100.00               | 7,070.84            | 10,137.00           | 7,280.66            | 292.74          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,248.74             | 2,140.44              | 108.29                  | 20.765            |                    |         |
| 17,200.00               | 7,070.85            | 10,137.00           | 7,280.66            | 295.58          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,149.22             | 2,040.58              | 108.64                  | 19.784            |                    |         |
| 17,300.00               | 7,070.86            | 10,137.00           | 7,280.66            | 298.42          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 2,049.75             | 1,940.74              | 109.01                  | 18.804            |                    |         |
| 17,400.00               | 7,070.87            | 10,137.00           | 7,280.66            | 301.26          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,950.33             | 1,840.92              | 109.41                  | 17.826            |                    |         |
| 17,500.00               | 7,070.88            | 10,137.00           | 7,280.66            | 304.10          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,850.98             | 1,741.12              | 109.85                  | 16.849            |                    |         |
| 17,600.00               | 7,070.89            | 10,137.00           | 7,280.66            | 306.94          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,751.70             | 1,641.35              | 110.34                  | 15.875            |                    |         |
| 17,700.00               | 7,070.90            | 10,137.00           | 7,280.66            | 309.78          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,652.51             | 1,541.62              | 110.89                  | 14.902            |                    |         |
| 17,800.00               | 7,070.91            | 10,137.00           | 7,280.66            | 312.62          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,553.42             | 1,441.92              | 111.50                  | 13.932            |                    |         |
| 17,900.00               | 7,070.92            | 10,137.00           | 7,280.66            | 315.46          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,454.45             | 1,342.26              | 112.19                  | 12.964            |                    |         |
| 18,000.00               | 7,070.92            | 10,137.00           | 7,280.66            | 318.31          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,355.64             | 1,242.65              | 112.98                  | 11.999            |                    |         |
| 18,100.00               | 7,070.93            | 10,137.00           | 7,280.66            | 321.15          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,257.01             | 1,143.11              | 113.90                  | 11.036            |                    |         |
| 18,200.00               | 7,070.94            | 10,137.00           | 7,280.66            | 323.99          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,158.62             | 1,043.65              | 114.98                  | 10.077            |                    |         |
| 18,300.00               | 7,070.95            | 10,137.00           | 7,280.66            | 326.83          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 1,060.54             | 944.28                | 116.26                  | 9.122             |                    |         |
| 18,400.00               | 7,070.96            | 10,137.00           | 7,280.66            | 329.68          | 71.26       | 178.19                | 432.30                            | -11,188.86 | 962.84               | 845.04                | 117.80                  | 8.173             |                    |         |
| 18,500.00               | 7,070.97            | 10,142.15           | 7,280.64            | 332.52          | 71.36       | 179.56                | 427.15                            | -11,188.87 | 865.65               | 745.81                | 119.85                  | 7.223             |                    |         |
| 18,600.00               | 7,070.98            | 10,142.38           | 7,280.64            | 335.36          | 71.36       | 179.62                | 426.93                            | -11,188.87 | 769.21               | 646.97                | 122.24                  | 6.293             |                    |         |
| 18,700.00               | 7,070.99            | 10,142.62           | 7,280.64            | 338.21          | 71.37       | 179.68                | 426.68                            | -11,188.87 | 673.80               | 548.50                | 125.30                  | 5.378             |                    |         |
| 18,800.00               | 7,070.99            | 10,142.88           | 7,280.64            | 341.05          | 71.37       | 179.75                | 426.43                            | -11,188.87 | 579.94               | 450.66                | 129.28                  | 4.486             |                    |         |
| 18,858.54               | 7,071.00            | 10,143.04           | 7,280.63            | 342.72          | 71.37       | 179.79                | 426.27                            | -11,188.87 | 526.05               | 393.86                | 132.19                  | 3.980 CC, ES, SF  |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 725-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 9,100.00                | 7,070.13            | 10,544.79           | 7,183.75            | 71.25           | 79.41       | -108.49               | 70.60                             | -10,938.25 | 9,994.88             | 9,887.40              | 107.48                  | 92.990            |                    |         |
| 9,200.00                | 7,070.14            | 10,543.52           | 7,183.75            | 73.74           | 79.39       | -108.55               | 71.87                             | -10,938.30 | 9,894.95             | 9,787.46              | 107.49                  | 92.053            |                    |         |
| 9,300.00                | 7,070.15            | 10,542.23           | 7,183.75            | 76.26           | 79.36       | -108.62               | 73.15                             | -10,938.34 | 9,795.02             | 9,687.52              | 107.50                  | 91.115            |                    |         |
| 9,400.00                | 7,070.16            | 9,400.00            | 7,183.64            | 78.80           | 58.83       | -109.78               | 95.69                             | -10,939.24 | 9,695.19             | 9,610.45              | 84.74                   | 114.408           |                    |         |
| 9,500.00                | 7,070.17            | 9,500.00            | 7,183.63            | 81.37           | 60.47       | -109.97               | 99.10                             | -10,939.36 | 9,595.26             | 9,508.49              | 86.76                   | 110.592           |                    |         |
| 9,600.00                | 7,070.18            | 9,600.00            | 7,183.62            | 83.95           | 62.15       | -110.16               | 102.50                            | -10,939.48 | 9,495.32             | 9,406.54              | 88.79                   | 106.947           |                    |         |
| 9,700.00                | 7,070.19            | 9,700.00            | 7,183.61            | 86.55           | 63.88       | -110.35               | 105.90                            | -10,939.59 | 9,395.39             | 9,304.58              | 90.81                   | 103.461           |                    |         |
| 9,800.00                | 7,070.20            | 9,800.00            | 7,183.60            | 89.17           | 65.64       | -110.55               | 109.31                            | -10,939.71 | 9,295.45             | 9,202.62              | 92.84                   | 100.126           |                    |         |
| 9,900.00                | 7,070.21            | 9,900.00            | 7,183.59            | 91.80           | 67.42       | -110.76               | 112.71                            | -10,939.83 | 9,195.52             | 9,100.65              | 94.87                   | 96.931            |                    |         |
| 10,000.00               | 7,070.21            | 10,000.00           | 7,183.58            | 94.44           | 69.24       | -110.96               | 116.12                            | -10,939.95 | 9,095.59             | 8,998.69              | 96.90                   | 93.868            |                    |         |
| 10,100.00               | 7,070.22            | 10,100.00           | 7,183.58            | 97.10           | 71.07       | -111.17               | 119.52                            | -10,940.06 | 8,995.65             | 8,896.72              | 98.93                   | 90.929            |                    |         |
| 10,200.00               | 7,070.23            | 10,200.00           | 7,183.57            | 99.77           | 72.92       | -111.39               | 122.92                            | -10,940.18 | 8,895.72             | 8,794.75              | 100.97                  | 88.107            |                    |         |
| 10,300.00               | 7,070.24            | 10,300.00           | 7,183.56            | 102.44          | 74.79       | -111.61               | 126.33                            | -10,940.30 | 8,795.79             | 8,692.78              | 103.00                  | 85.394            |                    |         |
| 10,400.00               | 7,070.25            | 10,400.00           | 7,183.55            | 105.13          | 76.67       | -111.83               | 129.73                            | -10,940.41 | 8,695.85             | 8,590.81              | 105.04                  | 82.786            |                    |         |
| 10,500.00               | 7,070.26            | 10,500.00           | 7,183.54            | 107.83          | 78.56       | -112.06               | 133.14                            | -10,940.53 | 8,595.92             | 8,488.84              | 107.08                  | 80.275            |                    |         |
| 10,600.00               | 7,070.27            | 10,600.00           | 7,183.53            | 110.53          | 80.46       | -112.29               | 136.54                            | -10,940.65 | 8,495.99             | 8,386.87              | 109.12                  | 77.857            |                    |         |
| 10,700.00               | 7,070.28            | 10,700.00           | 7,183.52            | 113.24          | 82.37       | -112.53               | 139.94                            | -10,940.77 | 8,396.06             | 8,284.89              | 111.17                  | 75.527            |                    |         |
| 10,800.00               | 7,070.28            | 10,800.00           | 7,183.51            | 115.96          | 84.30       | -112.77               | 143.35                            | -10,940.88 | 8,296.12             | 8,182.91              | 113.21                  | 73.279            |                    |         |
| 10,900.00               | 7,070.29            | 10,900.00           | 7,183.50            | 118.69          | 86.22       | -113.02               | 146.75                            | -10,941.00 | 8,196.19             | 8,080.93              | 115.26                  | 71.110            |                    |         |
| 11,000.00               | 7,070.30            | 11,000.00           | 7,183.50            | 121.42          | 88.16       | -113.28               | 150.16                            | -10,941.12 | 8,096.26             | 7,978.95              | 117.31                  | 69.016            |                    |         |
| 11,100.00               | 7,070.31            | 11,100.00           | 7,183.49            | 124.16          | 90.10       | -113.53               | 153.56                            | -10,941.23 | 7,996.33             | 7,876.97              | 119.36                  | 66.993            |                    |         |
| 11,200.00               | 7,070.32            | 10,402.14           | 7,183.48            | 126.90          | 76.71       | -119.15               | 213.16                            | -10,943.16 | 7,896.48             | 7,791.20              | 105.28                  | 75.005            |                    |         |
| 11,300.00               | 7,070.33            | 10,399.14           | 7,183.51            | 129.65          | 76.65       | -119.50               | 216.16                            | -10,943.25 | 7,796.53             | 7,691.25              | 105.28                  | 74.059            |                    |         |
| 11,400.00               | 7,070.34            | 10,396.15           | 7,183.54            | 132.40          | 76.60       | -119.86               | 219.14                            | -10,943.33 | 7,696.58             | 7,591.30              | 105.27                  | 73.111            |                    |         |
| 11,500.00               | 7,070.35            | 10,393.18           | 7,183.57            | 135.16          | 76.54       | -120.23               | 222.12                            | -10,943.41 | 7,596.62             | 7,491.35              | 105.27                  | 72.163            |                    |         |
| 11,600.00               | 7,070.36            | 10,390.22           | 7,183.61            | 137.92          | 76.49       | -120.60               | 225.08                            | -10,943.49 | 7,496.67             | 7,391.40              | 105.27                  | 71.213            |                    |         |
| 11,700.00               | 7,070.36            | 10,387.27           | 7,183.64            | 140.69          | 76.43       | -120.98               | 228.02                            | -10,943.57 | 7,396.72             | 7,291.45              | 105.27                  | 70.262            |                    |         |
| 11,800.00               | 7,070.37            | 10,384.33           | 7,183.69            | 143.46          | 76.38       | -121.37               | 230.96                            | -10,943.64 | 7,296.77             | 7,191.49              | 105.28                  | 69.310            |                    |         |
| 11,900.00               | 7,070.38            | 10,381.41           | 7,183.73            | 146.23          | 76.32       | -121.77               | 233.88                            | -10,943.72 | 7,196.82             | 7,091.54              | 105.28                  | 68.357            |                    |         |
| 12,000.00               | 7,070.39            | 10,378.50           | 7,183.77            | 149.01          | 76.27       | -122.17               | 236.79                            | -10,943.80 | 7,096.87             | 6,991.58              | 105.29                  | 67.403            |                    |         |
| 12,100.00               | 7,070.40            | 10,375.60           | 7,183.82            | 151.79          | 76.21       | -122.58               | 239.69                            | -10,943.88 | 6,996.92             | 6,891.62              | 105.30                  | 66.449            |                    |         |
| 12,200.00               | 7,070.41            | 10,372.71           | 7,183.87            | 154.57          | 76.16       | -123.00               | 242.58                            | -10,943.95 | 6,896.97             | 6,791.66              | 105.31                  | 65.493            |                    |         |
| 12,300.00               | 7,070.42            | 10,369.83           | 7,183.93            | 157.35          | 76.11       | -123.43               | 245.45                            | -10,944.03 | 6,797.02             | 6,691.70              | 105.32                  | 64.536            |                    |         |
| 12,400.00               | 7,070.43            | 10,366.97           | 7,183.98            | 160.14          | 76.05       | -123.87               | 248.32                            | -10,944.11 | 6,697.07             | 6,591.73              | 105.34                  | 63.579            |                    |         |
| 12,500.00               | 7,070.44            | 10,364.11           | 7,184.04            | 162.93          | 76.00       | -124.31               | 251.17                            | -10,944.18 | 6,597.12             | 6,491.77              | 105.35                  | 62.620            |                    |         |
| 12,600.00               | 7,070.44            | 10,361.27           | 7,184.10            | 165.72          | 75.95       | -124.76               | 254.01                            | -10,944.26 | 6,497.17             | 6,391.80              | 105.37                  | 61.661            |                    |         |
| 12,700.00               | 7,070.45            | 10,358.44           | 7,184.16            | 168.52          | 75.89       | -125.22               | 256.84                            | -10,944.33 | 6,397.22             | 6,291.83              | 105.39                  | 60.702            |                    |         |
| 12,800.00               | 7,070.46            | 10,355.62           | 7,184.23            | 171.32          | 75.84       | -125.70               | 259.65                            | -10,944.41 | 6,297.27             | 6,191.87              | 105.41                  | 59.741            |                    |         |
| 12,900.00               | 7,070.47            | 10,352.82           | 7,184.30            | 174.11          | 75.79       | -126.17               | 262.46                            | -10,944.48 | 6,197.33             | 6,091.90              | 105.43                  | 58.780            |                    |         |
| 13,000.00               | 7,070.48            | 10,350.02           | 7,184.37            | 176.92          | 75.74       | -126.66               | 265.25                            | -10,944.55 | 6,097.38             | 5,991.92              | 105.46                  | 57.819            |                    |         |
| 13,100.00               | 7,070.49            | 10,347.24           | 7,184.44            | 179.72          | 75.68       | -127.16               | 268.03                            | -10,944.62 | 5,997.43             | 5,891.95              | 105.48                  | 56.857            |                    |         |
| 13,200.00               | 7,070.50            | 10,344.47           | 7,184.51            | 182.52          | 75.63       | -127.67               | 270.80                            | -10,944.70 | 5,897.49             | 5,791.98              | 105.51                  | 55.894            |                    |         |
| 13,300.00               | 7,070.51            | 10,341.70           | 7,184.59            | 185.33          | 75.58       | -128.19               | 273.56                            | -10,944.77 | 5,797.54             | 5,692.00              | 105.54                  | 54.931            |                    |         |
| 13,400.00               | 7,070.52            | 10,338.95           | 7,184.67            | 188.14          | 75.53       | -128.71               | 276.31                            | -10,944.84 | 5,697.60             | 5,592.03              | 105.57                  | 53.968            |                    |         |
| 13,500.00               | 7,070.52            | 10,336.21           | 7,184.75            | 190.95          | 75.48       | -129.25               | 279.05                            | -10,944.91 | 5,597.66             | 5,492.05              | 105.61                  | 53.004            |                    |         |
| 13,600.00               | 7,070.53            | 10,333.48           | 7,184.83            | 193.76          | 75.43       | -129.80               | 281.78                            | -10,944.98 | 5,497.71             | 5,392.07              | 105.65                  | 52.040            |                    |         |
| 13,700.00               | 7,070.54            | 10,330.77           | 7,184.91            | 196.57          | 75.38       | -130.36               | 284.49                            | -10,945.05 | 5,397.77             | 5,292.09              | 105.68                  | 51.075            |                    |         |
| 13,800.00               | 7,070.55            | 10,328.06           | 7,185.00            | 199.38          | 75.33       | -130.93               | 287.20                            | -10,945.12 | 5,297.83             | 5,192.11              | 105.72                  | 50.110            |                    |         |
| 13,900.00               | 7,070.56            | 10,325.36           | 7,185.08            | 202.20          | 75.28       | -131.50               | 289.89                            | -10,945.19 | 5,197.89             | 5,092.13              | 105.77                  | 49.145            |                    |         |
| 14,000.00               | 7,070.57            | 10,322.65           | 7,185.10            | 205.01          | 75.27       | -131.58               | 290.25                            | -10,945.20 | 5,097.95             | 4,992.08              | 105.88                  | 48.149            |                    |         |
| 14,100.00               | 7,070.58            | 10,320.00           | 7,185.10            | 207.83          | 75.27       | -131.58               | 290.25                            | -10,945.20 | 4,998.02             | 4,892.01              | 106.00                  | 47.149            |                    |         |
| 14,200.00               | 7,070.59            | 10,317.35           | 7,185.10            | 210.65          | 75.27       | -131.58               | 290.25                            | -10,945.20 | 4,898.09             | 4,791.95              | 106.14                  | 46.149            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 725-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,300.00               | 7,070.60            | 10,325.00           | 7,185.10            | 213.47          | 75.27       | -131.58               | 290.25                            | -10,945.20 | 4,798.16             | 4,691.88              | 106.27                  | 45.150            |                    |         |
| 14,400.00               | 7,070.60            | 10,325.00           | 7,185.10            | 216.29          | 75.27       | -131.58               | 290.25                            | -10,945.20 | 4,698.23             | 4,591.82              | 106.41                  | 44.152            |                    |         |
| 14,500.00               | 7,070.61            | 10,314.83           | 7,185.41            | 219.11          | 75.08       | -133.89               | 300.42                            | -10,945.47 | 4,598.29             | 4,492.05              | 106.24                  | 43.284            |                    |         |
| 14,600.00               | 7,070.62            | 10,313.00           | 7,185.46            | 221.94          | 75.05       | -134.32               | 302.24                            | -10,945.52 | 4,498.36             | 4,392.04              | 106.32                  | 42.309            |                    |         |
| 14,700.00               | 7,070.63            | 10,311.15           | 7,185.52            | 224.76          | 75.01       | -134.77               | 304.09                            | -10,945.57 | 4,398.43             | 4,292.02              | 106.41                  | 41.335            |                    |         |
| 14,800.00               | 7,070.64            | 10,309.27           | 7,185.57            | 227.58          | 74.98       | -135.22               | 305.97                            | -10,945.62 | 4,298.51             | 4,192.01              | 106.50                  | 40.361            |                    |         |
| 14,900.00               | 7,070.65            | 10,307.35           | 7,185.62            | 230.41          | 74.94       | -135.70               | 307.89                            | -10,945.67 | 4,198.59             | 4,092.00              | 106.59                  | 39.389            |                    |         |
| 15,000.00               | 7,070.66            | 10,305.41           | 7,185.66            | 233.24          | 74.90       | -136.19               | 309.83                            | -10,945.72 | 4,098.67             | 3,991.98              | 106.69                  | 38.417            |                    |         |
| 15,100.00               | 7,070.67            | 10,303.44           | 7,185.71            | 236.06          | 74.87       | -136.69               | 311.80                            | -10,945.78 | 3,998.76             | 3,891.97              | 106.79                  | 37.446            |                    |         |
| 15,200.00               | 7,070.68            | 10,301.43           | 7,185.76            | 238.89          | 74.83       | -137.21               | 313.81                            | -10,945.84 | 3,898.84             | 3,791.96              | 106.89                  | 36.476            |                    |         |
| 15,300.00               | 7,070.68            | 10,299.39           | 7,185.81            | 241.72          | 74.79       | -137.74               | 315.84                            | -10,945.89 | 3,798.94             | 3,691.94              | 106.99                  | 35.507            |                    |         |
| 15,400.00               | 7,070.69            | 10,297.32           | 7,185.85            | 244.55          | 74.75       | -138.30               | 317.91                            | -10,945.95 | 3,699.03             | 3,591.93              | 107.10                  | 34.538            |                    |         |
| 15,500.00               | 7,070.70            | 10,295.21           | 7,185.90            | 247.38          | 74.71       | -138.87               | 320.02                            | -10,946.01 | 3,599.13             | 3,491.92              | 107.21                  | 33.571            |                    |         |
| 15,600.00               | 7,070.71            | 10,293.07           | 7,185.94            | 250.21          | 74.67       | -139.46               | 322.16                            | -10,946.08 | 3,499.23             | 3,391.90              | 107.32                  | 32.605            |                    |         |
| 15,700.00               | 7,070.72            | 10,290.89           | 7,185.98            | 253.04          | 74.63       | -140.07               | 324.34                            | -10,946.14 | 3,399.33             | 3,291.89              | 107.44                  | 31.639            |                    |         |
| 15,800.00               | 7,070.73            | 10,288.68           | 7,186.02            | 255.87          | 74.59       | -140.70               | 326.55                            | -10,946.21 | 3,299.44             | 3,191.88              | 107.56                  | 30.675            |                    |         |
| 15,900.00               | 7,070.74            | 10,286.42           | 7,186.06            | 258.71          | 74.55       | -141.36               | 328.80                            | -10,946.27 | 3,199.56             | 3,091.87              | 107.69                  | 29.712            |                    |         |
| 16,000.00               | 7,070.75            | 10,284.13           | 7,186.10            | 261.54          | 74.51       | -142.03               | 331.09                            | -10,946.34 | 3,099.68             | 2,991.86              | 107.82                  | 28.749            |                    |         |
| 16,100.00               | 7,070.76            | 10,281.80           | 7,186.13            | 264.37          | 74.47       | -142.73               | 333.42                            | -10,946.41 | 2,999.80             | 2,891.85              | 107.95                  | 27.788            |                    |         |
| 16,200.00               | 7,070.76            | 10,279.43           | 7,186.16            | 267.21          | 74.42       | -143.46               | 335.79                            | -10,946.49 | 2,899.94             | 2,791.84              | 108.09                  | 26.828            |                    |         |
| 16,300.00               | 7,070.77            | 10,277.02           | 7,186.20            | 270.04          | 74.38       | -144.21               | 338.21                            | -10,946.56 | 2,800.08             | 2,691.84              | 108.24                  | 25.869            |                    |         |
| 16,400.00               | 7,070.78            | 10,274.56           | 7,186.23            | 272.88          | 74.33       | -144.98               | 340.66                            | -10,946.64 | 2,700.22             | 2,591.83              | 108.39                  | 24.912            |                    |         |
| 16,500.00               | 7,070.79            | 10,272.06           | 7,186.25            | 275.71          | 74.28       | -145.79               | 343.16                            | -10,946.72 | 2,600.38             | 2,491.82              | 108.55                  | 23.955            |                    |         |
| 16,600.00               | 7,070.80            | 10,269.51           | 7,186.28            | 278.55          | 74.24       | -146.63               | 345.71                            | -10,946.80 | 2,500.54             | 2,391.82              | 108.72                  | 23.000            |                    |         |
| 16,700.00               | 7,070.81            | 10,266.92           | 7,186.30            | 281.39          | 74.19       | -147.50               | 348.30                            | -10,946.88 | 2,400.71             | 2,291.82              | 108.90                  | 22.046            |                    |         |
| 16,800.00               | 7,070.82            | 10,264.27           | 7,186.32            | 284.22          | 74.14       | -148.40               | 350.94                            | -10,946.96 | 2,300.90             | 2,191.82              | 109.08                  | 21.093            |                    |         |
| 16,900.00               | 7,070.83            | 10,261.58           | 7,186.34            | 287.06          | 74.09       | -149.33               | 353.63                            | -10,947.05 | 2,201.10             | 2,091.82              | 109.28                  | 20.142            |                    |         |
| 17,000.00               | 7,070.84            | 10,258.84           | 7,186.36            | 289.90          | 74.04       | -150.30               | 356.37                            | -10,947.14 | 2,101.31             | 1,991.82              | 109.49                  | 19.192            |                    |         |
| 17,100.00               | 7,070.84            | 10,256.05           | 7,186.37            | 292.74          | 73.99       | -151.31               | 359.16                            | -10,947.23 | 2,001.54             | 1,891.83              | 109.71                  | 18.243            |                    |         |
| 17,200.00               | 7,070.85            | 10,253.20           | 7,186.38            | 295.58          | 73.93       | -152.35               | 362.01                            | -10,947.33 | 1,901.79             | 1,791.84              | 109.95                  | 17.296            |                    |         |
| 17,300.00               | 7,070.86            | 10,250.30           | 7,186.38            | 298.42          | 73.88       | -153.44               | 364.91                            | -10,947.43 | 1,802.06             | 1,691.85              | 110.22                  | 16.350            |                    |         |
| 17,400.00               | 7,070.87            | 10,247.34           | 7,186.38            | 301.26          | 73.83       | -154.57               | 367.87                            | -10,947.53 | 1,702.36             | 1,591.86              | 110.50                  | 15.406            |                    |         |
| 17,500.00               | 7,070.88            | 10,244.32           | 7,186.38            | 304.10          | 73.77       | -155.74               | 370.88                            | -10,947.63 | 1,602.69             | 1,491.88              | 110.81                  | 14.463            |                    |         |
| 17,600.00               | 7,070.89            | 10,241.17           | 7,186.43            | 306.94          | 73.80       | -155.03               | 369.04                            | -10,947.54 | 1,503.03             | 1,391.45              | 111.58                  | 13.471            |                    |         |
| 17,700.00               | 7,070.90            | 10,241.19           | 7,186.40            | 309.78          | 73.71       | -156.98               | 374.01                            | -10,947.73 | 1,403.45             | 1,291.63              | 111.82                  | 12.551            |                    |         |
| 17,800.00               | 7,070.91            | 10,236.42           | 7,186.36            | 312.62          | 73.62       | -158.91               | 378.78                            | -10,947.91 | 1,303.92             | 1,191.79              | 112.13                  | 11.629            |                    |         |
| 17,900.00               | 7,070.92            | 10,231.84           | 7,186.33            | 315.46          | 73.54       | -160.81               | 383.35                            | -10,948.07 | 1,204.46             | 1,091.95              | 112.51                  | 10.705            |                    |         |
| 18,000.00               | 7,070.92            | 10,227.45           | 7,186.30            | 318.31          | 73.46       | -162.67               | 387.74                            | -10,948.23 | 1,105.07             | 992.09                | 112.98                  | 9.781             |                    |         |
| 18,100.00               | 7,070.93            | 10,223.23           | 7,186.27            | 321.15          | 73.38       | -164.50               | 391.96                            | -10,948.38 | 1,005.79             | 892.21                | 113.58                  | 8.855             |                    |         |
| 18,200.00               | 7,070.94            | 10,219.17           | 7,186.24            | 323.99          | 73.31       | -166.30               | 396.02                            | -10,948.52 | 906.66               | 792.31                | 114.34                  | 7.929             |                    |         |
| 18,300.00               | 7,070.95            | 10,215.26           | 7,186.22            | 326.83          | 73.23       | -168.05               | 399.92                            | -10,948.65 | 807.72               | 692.38                | 115.34                  | 7.003             |                    |         |
| 18,400.00               | 7,070.96            | 10,211.50           | 7,186.19            | 329.68          | 73.17       | -169.76               | 403.68                            | -10,948.78 | 709.06               | 592.40                | 116.65                  | 6.078             |                    |         |
| 18,500.00               | 7,070.97            | 10,207.88           | 7,186.16            | 332.52          | 73.10       | -171.42               | 407.30                            | -10,948.90 | 610.81               | 492.35                | 118.47                  | 5.156             |                    |         |
| 18,600.00               | 7,070.98            | 10,204.38           | 7,186.14            | 335.36          | 73.03       | -173.04               | 410.79                            | -10,949.01 | 513.23               | 392.17                | 121.06                  | 4.240             |                    |         |
| 18,700.00               | 7,070.99            | 10,201.01           | 7,186.11            | 338.21          | 72.97       | -174.62               | 414.17                            | -10,949.12 | 416.76               | 291.81                | 124.95                  | 3.335             |                    |         |
| 18,800.00               | 7,070.99            | 10,197.75           | 7,186.09            | 341.05          | 72.91       | -176.15               | 417.42                            | -10,949.22 | 322.42               | 191.28                | 131.14                  | 2.459             |                    |         |
| 18,858.54               | 7,071.00            | 10,195.90           | 7,186.07            | 342.72          | 72.88       | -177.02               | 419.27                            | -10,949.27 | 269.08               | 132.58                | 136.50                  | 1.971             | CC, ES, SF         |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 726-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 9,300.00                | 7,070.15            | 9,977.00            | 7,111.85            | 76.26           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,972.34             | 9,872.95              | 99.39                   | 100.331           |                    |         |
| 9,400.00                | 7,070.16            | 9,977.00            | 7,111.85            | 78.80           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,872.34             | 9,772.93              | 99.42                   | 99.304            |                    |         |
| 9,500.00                | 7,070.17            | 9,977.00            | 7,111.85            | 81.37           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,772.34             | 9,672.91              | 99.44                   | 98.276            |                    |         |
| 9,600.00                | 7,070.18            | 9,977.00            | 7,111.85            | 83.95           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,672.35             | 9,572.89              | 99.46                   | 97.248            |                    |         |
| 9,700.00                | 7,070.19            | 9,977.00            | 7,111.85            | 86.55           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,572.35             | 9,472.86              | 99.49                   | 96.219            |                    |         |
| 9,800.00                | 7,070.20            | 9,977.00            | 7,111.85            | 89.17           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,472.35             | 9,372.84              | 99.51                   | 95.189            |                    |         |
| 9,900.00                | 7,070.21            | 9,977.00            | 7,111.85            | 91.80           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,372.35             | 9,272.81              | 99.54                   | 94.159            |                    |         |
| 10,000.00               | 7,070.21            | 9,977.00            | 7,111.85            | 94.44           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,272.35             | 9,172.79              | 99.57                   | 93.128            |                    |         |
| 10,100.00               | 7,070.22            | 9,977.00            | 7,111.85            | 97.10           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,172.35             | 9,072.76              | 99.59                   | 92.097            |                    |         |
| 10,200.00               | 7,070.23            | 9,977.00            | 7,111.85            | 99.77           | 71.30       | 164.35                | 438.63                            | -11,122.74 | 9,072.35             | 8,972.73              | 99.62                   | 91.065            |                    |         |
| 10,300.00               | 7,070.24            | 9,977.00            | 7,111.85            | 102.44          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,972.36             | 8,872.70              | 99.66                   | 90.033            |                    |         |
| 10,400.00               | 7,070.25            | 9,977.00            | 7,111.85            | 105.13          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,872.36             | 8,772.67              | 99.69                   | 89.001            |                    |         |
| 10,500.00               | 7,070.26            | 9,977.00            | 7,111.85            | 107.83          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,772.36             | 8,672.64              | 99.72                   | 87.968            |                    |         |
| 10,600.00               | 7,070.27            | 9,977.00            | 7,111.85            | 110.53          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,672.36             | 8,572.60              | 99.76                   | 86.935            |                    |         |
| 10,700.00               | 7,070.28            | 9,977.00            | 7,111.85            | 113.24          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,572.36             | 8,472.57              | 99.79                   | 85.901            |                    |         |
| 10,800.00               | 7,070.28            | 9,977.00            | 7,111.85            | 115.96          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,472.36             | 8,372.53              | 99.83                   | 84.867            |                    |         |
| 10,900.00               | 7,070.29            | 9,977.00            | 7,111.85            | 118.69          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,372.37             | 8,272.50              | 99.87                   | 83.833            |                    |         |
| 11,000.00               | 7,070.30            | 9,977.00            | 7,111.85            | 121.42          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,272.37             | 8,172.46              | 99.91                   | 82.799            |                    |         |
| 11,100.00               | 7,070.31            | 9,977.00            | 7,111.85            | 124.16          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,172.37             | 8,072.42              | 99.95                   | 81.765            |                    |         |
| 11,200.00               | 7,070.32            | 9,977.00            | 7,111.85            | 126.90          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 8,072.37             | 7,972.38              | 99.99                   | 80.731            |                    |         |
| 11,300.00               | 7,070.33            | 9,977.00            | 7,111.85            | 129.65          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,972.37             | 7,872.34              | 100.03                  | 79.696            |                    |         |
| 11,400.00               | 7,070.34            | 9,977.00            | 7,111.85            | 132.40          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,872.37             | 7,772.30              | 100.08                  | 78.662            |                    |         |
| 11,500.00               | 7,070.35            | 9,977.00            | 7,111.85            | 135.16          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,772.38             | 7,672.25              | 100.12                  | 77.628            |                    |         |
| 11,600.00               | 7,070.36            | 9,977.00            | 7,111.85            | 137.92          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,672.38             | 7,572.21              | 100.17                  | 76.593            |                    |         |
| 11,700.00               | 7,070.36            | 9,977.00            | 7,111.85            | 140.69          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,572.38             | 7,472.16              | 100.22                  | 75.559            |                    |         |
| 11,800.00               | 7,070.37            | 9,977.00            | 7,111.85            | 143.46          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,472.38             | 7,372.12              | 100.27                  | 74.525            |                    |         |
| 11,900.00               | 7,070.38            | 9,977.00            | 7,111.85            | 146.23          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,372.38             | 7,272.07              | 100.32                  | 73.491            |                    |         |
| 12,000.00               | 7,070.39            | 9,977.00            | 7,111.85            | 149.01          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,272.39             | 7,172.02              | 100.37                  | 72.458            |                    |         |
| 12,100.00               | 7,070.40            | 9,977.00            | 7,111.85            | 151.79          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,172.39             | 7,071.97              | 100.42                  | 71.424            |                    |         |
| 12,200.00               | 7,070.41            | 9,977.00            | 7,111.85            | 154.57          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 7,072.39             | 6,971.92              | 100.47                  | 70.391            |                    |         |
| 12,300.00               | 7,070.42            | 9,977.00            | 7,111.85            | 157.35          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,972.39             | 6,871.87              | 100.53                  | 69.358            |                    |         |
| 12,400.00               | 7,070.43            | 9,977.00            | 7,111.85            | 160.14          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,872.40             | 6,771.81              | 100.58                  | 68.326            |                    |         |
| 12,500.00               | 7,070.44            | 9,977.00            | 7,111.85            | 162.93          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,772.40             | 6,671.76              | 100.64                  | 67.294            |                    |         |
| 12,600.00               | 7,070.44            | 9,977.00            | 7,111.85            | 165.72          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,672.40             | 6,571.70              | 100.70                  | 66.262            |                    |         |
| 12,700.00               | 7,070.45            | 9,977.00            | 7,111.85            | 168.52          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,572.40             | 6,471.65              | 100.76                  | 65.231            |                    |         |
| 12,800.00               | 7,070.46            | 9,977.00            | 7,111.85            | 171.32          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,472.41             | 6,371.59              | 100.82                  | 64.200            |                    |         |
| 12,900.00               | 7,070.47            | 9,977.00            | 7,111.85            | 174.11          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,372.41             | 6,271.53              | 100.88                  | 63.170            |                    |         |
| 13,000.00               | 7,070.48            | 9,977.00            | 7,111.85            | 176.92          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,272.41             | 6,171.47              | 100.94                  | 62.140            |                    |         |
| 13,100.00               | 7,070.49            | 9,977.00            | 7,111.85            | 179.72          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,172.42             | 6,071.41              | 101.00                  | 61.111            |                    |         |
| 13,200.00               | 7,070.50            | 9,977.00            | 7,111.85            | 182.52          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 6,072.42             | 5,971.35              | 101.07                  | 60.082            |                    |         |
| 13,300.00               | 7,070.51            | 9,977.00            | 7,111.85            | 185.33          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,972.42             | 5,871.29              | 101.13                  | 59.054            |                    |         |
| 13,400.00               | 7,070.52            | 9,977.00            | 7,111.85            | 188.14          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,872.43             | 5,771.22              | 101.20                  | 58.027            |                    |         |
| 13,500.00               | 7,070.52            | 9,977.00            | 7,111.85            | 190.95          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,772.43             | 5,671.16              | 101.27                  | 57.001            |                    |         |
| 13,600.00               | 7,070.53            | 9,977.00            | 7,111.85            | 193.76          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,672.43             | 5,571.09              | 101.34                  | 55.975            |                    |         |
| 13,700.00               | 7,070.54            | 9,977.00            | 7,111.85            | 196.57          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,572.44             | 5,471.03              | 101.41                  | 54.950            |                    |         |
| 13,800.00               | 7,070.55            | 9,977.00            | 7,111.85            | 199.38          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,472.44             | 5,370.96              | 101.48                  | 53.926            |                    |         |
| 13,900.00               | 7,070.56            | 9,977.00            | 7,111.85            | 202.20          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,372.44             | 5,270.89              | 101.55                  | 52.902            |                    |         |
| 14,000.00               | 7,070.57            | 9,977.00            | 7,111.85            | 205.01          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,272.45             | 5,170.82              | 101.63                  | 51.880            |                    |         |
| 14,100.00               | 7,070.58            | 9,977.00            | 7,111.85            | 207.83          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,172.45             | 5,070.75              | 101.70                  | 50.858            |                    |         |
| 14,200.00               | 7,070.59            | 9,977.00            | 7,111.85            | 210.65          | 71.30       | 164.35                | 438.63                            | -11,122.74 | 5,072.46             | 4,970.68              | 101.78                  | 49.838            |                    |         |
| 14,300.00               | 7,070.60            | 9,977.24            | 7,111.85            | 213.47          | 71.31       | 164.63                | 438.39                            | -11,122.74 | 4,972.46             | 4,870.60              | 101.86                  | 48.815            |                    |         |
| 14,400.00               | 7,070.60            | 9,977.60            | 7,111.85            | 216.29          | 71.31       | 165.03                | 438.03                            | -11,122.74 | 4,872.47             | 4,770.52              | 101.95                  | 47.793            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 726-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,500.00               | 7,070.61            | 9,977.94            | 7,111.85            | 219.11          | 71.32       | 165.43                | 437.69                            | -11,122.74 | 4,772.47             | 4,670.43              | 102.04                  | 46.772            |                    |         |
| 14,600.00               | 7,070.62            | 9,978.28            | 7,111.85            | 221.94          | 71.32       | 165.82                | 437.34                            | -11,122.74 | 4,672.48             | 4,570.35              | 102.13                  | 45.752            |                    |         |
| 14,700.00               | 7,070.63            | 9,978.62            | 7,111.85            | 224.76          | 71.33       | 166.21                | 437.01                            | -11,122.74 | 4,572.48             | 4,470.27              | 102.22                  | 44.734            |                    |         |
| 14,800.00               | 7,070.64            | 9,978.95            | 7,111.85            | 227.58          | 71.34       | 166.59                | 436.68                            | -11,122.74 | 4,472.49             | 4,370.18              | 102.31                  | 43.716            |                    |         |
| 14,900.00               | 7,070.65            | 9,979.28            | 7,111.85            | 230.41          | 71.34       | 166.97                | 436.35                            | -11,122.74 | 4,372.49             | 4,270.09              | 102.40                  | 42.700            |                    |         |
| 15,000.00               | 7,070.66            | 9,979.60            | 7,111.85            | 233.24          | 71.35       | 167.35                | 436.03                            | -11,122.74 | 4,272.50             | 4,170.01              | 102.49                  | 41.686            |                    |         |
| 15,100.00               | 7,070.67            | 9,979.92            | 7,111.85            | 236.06          | 71.35       | 167.72                | 435.71                            | -11,122.74 | 4,172.51             | 4,069.92              | 102.59                  | 40.672            |                    |         |
| 15,200.00               | 7,070.68            | 9,980.23            | 7,111.85            | 238.89          | 71.36       | 168.09                | 435.40                            | -11,122.74 | 4,072.51             | 3,969.83              | 102.68                  | 39.660            |                    |         |
| 15,300.00               | 7,070.68            | 9,980.54            | 7,111.85            | 241.72          | 71.37       | 168.45                | 435.09                            | -11,122.74 | 3,972.52             | 3,869.74              | 102.78                  | 38.650            |                    |         |
| 15,400.00               | 7,070.69            | 9,980.85            | 7,111.86            | 244.55          | 71.37       | 168.81                | 434.78                            | -11,122.75 | 3,872.53             | 3,769.65              | 102.88                  | 37.641            |                    |         |
| 15,500.00               | 7,070.70            | 9,981.15            | 7,111.86            | 247.38          | 71.38       | 169.16                | 434.48                            | -11,122.75 | 3,772.54             | 3,669.55              | 102.98                  | 36.633            |                    |         |
| 15,600.00               | 7,070.71            | 9,981.44            | 7,111.86            | 250.21          | 71.38       | 169.51                | 434.19                            | -11,122.75 | 3,672.54             | 3,569.46              | 103.08                  | 35.627            |                    |         |
| 15,700.00               | 7,070.72            | 9,981.73            | 7,111.86            | 253.04          | 71.39       | 169.85                | 433.90                            | -11,122.75 | 3,572.55             | 3,469.36              | 103.19                  | 34.622            |                    |         |
| 15,800.00               | 7,070.73            | 9,982.02            | 7,111.86            | 255.87          | 71.39       | 170.20                | 433.61                            | -11,122.75 | 3,472.56             | 3,369.27              | 103.29                  | 33.618            |                    |         |
| 15,900.00               | 7,070.74            | 9,982.30            | 7,111.86            | 258.71          | 71.40       | 170.53                | 433.33                            | -11,122.75 | 3,372.57             | 3,269.17              | 103.40                  | 32.617            |                    |         |
| 16,000.00               | 7,070.75            | 9,982.58            | 7,111.86            | 261.54          | 71.40       | 170.87                | 433.05                            | -11,122.75 | 3,272.58             | 3,169.07              | 103.51                  | 31.616            |                    |         |
| 16,100.00               | 7,070.76            | 9,982.86            | 7,111.86            | 264.37          | 71.41       | 171.20                | 432.77                            | -11,122.75 | 3,172.59             | 3,068.97              | 103.62                  | 30.618            |                    |         |
| 16,200.00               | 7,070.76            | 9,983.13            | 7,111.86            | 267.21          | 71.41       | 171.52                | 432.50                            | -11,122.75 | 3,072.60             | 2,968.87              | 103.73                  | 29.620            |                    |         |
| 16,300.00               | 7,070.77            | 9,983.40            | 7,111.86            | 270.04          | 71.42       | 171.84                | 432.23                            | -11,122.75 | 2,972.62             | 2,868.77              | 103.85                  | 28.625            |                    |         |
| 16,400.00               | 7,070.78            | 9,983.66            | 7,111.86            | 272.88          | 71.42       | 172.16                | 431.96                            | -11,122.75 | 2,872.63             | 2,768.66              | 103.96                  | 27.631            |                    |         |
| 16,500.00               | 7,070.79            | 9,983.93            | 7,111.86            | 275.71          | 71.43       | 172.48                | 431.70                            | -11,122.75 | 2,772.64             | 2,668.56              | 104.08                  | 26.638            |                    |         |
| 16,600.00               | 7,070.80            | 9,984.18            | 7,111.86            | 278.55          | 71.43       | 172.79                | 431.44                            | -11,122.75 | 2,672.66             | 2,568.45              | 104.21                  | 25.648            |                    |         |
| 16,700.00               | 7,070.81            | 9,984.44            | 7,111.86            | 281.39          | 71.44       | 173.09                | 431.19                            | -11,122.75 | 2,572.67             | 2,468.34              | 104.33                  | 24.659            |                    |         |
| 16,800.00               | 7,070.82            | 9,984.69            | 7,111.86            | 284.22          | 71.44       | 173.40                | 430.94                            | -11,122.75 | 2,472.69             | 2,368.23              | 104.46                  | 23.671            |                    |         |
| 16,900.00               | 7,070.83            | 9,984.94            | 7,111.86            | 287.06          | 71.45       | 173.70                | 430.69                            | -11,122.75 | 2,372.71             | 2,268.12              | 104.59                  | 22.686            |                    |         |
| 17,000.00               | 7,070.84            | 9,985.18            | 7,111.86            | 289.90          | 71.45       | 173.99                | 430.44                            | -11,122.75 | 2,272.73             | 2,168.00              | 104.73                  | 21.701            |                    |         |
| 17,100.00               | 7,070.84            | 9,985.43            | 7,111.86            | 292.74          | 71.46       | 174.29                | 430.20                            | -11,122.75 | 2,172.75             | 2,067.89              | 104.87                  | 20.719            |                    |         |
| 17,200.00               | 7,070.85            | 9,985.67            | 7,111.86            | 295.58          | 71.46       | 174.58                | 429.96                            | -11,122.75 | 2,072.78             | 1,967.77              | 105.01                  | 19.739            |                    |         |
| 17,300.00               | 7,070.86            | 9,985.90            | 7,111.86            | 298.42          | 71.47       | 174.86                | 429.73                            | -11,122.75 | 1,972.80             | 1,867.64              | 105.16                  | 18.760            |                    |         |
| 17,400.00               | 7,070.87            | 9,986.13            | 7,111.87            | 301.26          | 71.47       | 175.15                | 429.50                            | -11,122.76 | 1,872.83             | 1,767.52              | 105.32                  | 17.783            |                    |         |
| 17,500.00               | 7,070.88            | 9,986.36            | 7,111.87            | 304.10          | 71.47       | 175.43                | 429.26                            | -11,122.76 | 1,772.87             | 1,667.39              | 105.48                  | 16.807            |                    |         |
| 17,600.00               | 7,070.89            | 9,986.59            | 7,111.87            | 306.94          | 71.48       | 175.70                | 429.04                            | -11,122.76 | 1,672.91             | 1,567.25              | 105.65                  | 15.834            |                    |         |
| 17,700.00               | 7,070.90            | 9,986.82            | 7,111.87            | 309.78          | 71.48       | 175.98                | 428.81                            | -11,122.76 | 1,572.95             | 1,467.11              | 105.84                  | 14.862            |                    |         |
| 17,800.00               | 7,070.91            | 9,987.04            | 7,111.87            | 312.62          | 71.49       | 176.25                | 428.59                            | -11,122.76 | 1,472.99             | 1,366.96              | 106.03                  | 13.892            |                    |         |
| 17,900.00               | 7,070.92            | 9,987.26            | 7,111.87            | 315.46          | 71.49       | 176.51                | 428.37                            | -11,122.76 | 1,373.05             | 1,266.81              | 106.24                  | 12.924            |                    |         |
| 18,000.00               | 7,070.92            | 9,987.47            | 7,111.87            | 318.31          | 71.49       | 176.78                | 428.16                            | -11,122.76 | 1,273.11             | 1,166.64              | 106.47                  | 11.957            |                    |         |
| 18,100.00               | 7,070.93            | 9,987.69            | 7,111.87            | 321.15          | 71.50       | 177.04                | 427.94                            | -11,122.76 | 1,173.19             | 1,066.46              | 106.72                  | 10.993            |                    |         |
| 18,200.00               | 7,070.94            | 9,987.90            | 7,111.87            | 323.99          | 71.50       | 177.30                | 427.73                            | -11,122.76 | 1,073.27             | 966.27                | 107.01                  | 10.030            |                    |         |
| 18,300.00               | 7,070.95            | 9,988.11            | 7,111.87            | 326.83          | 71.51       | 177.55                | 427.52                            | -11,122.76 | 973.38               | 866.05                | 107.33                  | 9.069             |                    |         |
| 18,400.00               | 7,070.96            | 9,988.31            | 7,111.87            | 329.68          | 71.51       | 177.80                | 427.31                            | -11,122.76 | 873.51               | 765.79                | 107.71                  | 8.110             |                    |         |
| 18,500.00               | 7,070.97            | 9,988.52            | 7,111.87            | 332.52          | 71.51       | 178.05                | 427.11                            | -11,122.76 | 773.67               | 665.50                | 108.17                  | 7.152             |                    |         |
| 18,600.00               | 7,070.98            | 9,988.72            | 7,111.87            | 335.36          | 71.52       | 178.30                | 426.91                            | -11,122.76 | 673.88               | 565.13                | 108.75                  | 6.196             |                    |         |
| 18,700.00               | 7,070.99            | 9,988.92            | 7,111.87            | 338.21          | 71.52       | 178.54                | 426.71                            | -11,122.76 | 574.17               | 464.65                | 109.52                  | 5.243             |                    |         |
| 18,800.00               | 7,070.99            | 9,989.12            | 7,111.87            | 341.05          | 71.52       | 178.78                | 426.51                            | -11,122.76 | 474.57               | 363.96                | 110.61                  | 4.291             |                    |         |
| 18,858.54               | 7,071.00            | 9,989.23            | 7,111.87            | 342.72          | 71.53       | 178.92                | 426.40                            | -11,122.76 | 416.35               | 304.86                | 111.49                  | 3.734 CC, ES, SF  |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -144.22               | -2,537.69                         | -1,828.68  | 3,127.99             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 79.00               | 79.00               | 3.28            | 3.56        | -144.22               | -2,537.69                         | -1,828.68  | 3,127.92             | 3,121.08              | 6.84                    | 457.113           |                    |         |
| 200.00                                  | 200.00              | 179.00              | 179.00              | 3.34            | 5.57        | -144.22               | -2,537.69                         | -1,828.68  | 3,127.92             | 3,119.02              | 8.91                    | 351.125           |                    |         |
| 300.00                                  | 300.00              | 279.00              | 279.00              | 3.44            | 8.64        | -144.22               | -2,537.69                         | -1,828.68  | 3,127.92             | 3,115.84              | 12.09                   | 258.805           |                    |         |
| 400.00                                  | 399.98              | 378.98              | 378.98              | 3.60            | 11.94       | 143.28                | -2,537.69                         | -1,828.68  | 3,129.32             | 3,113.78              | 15.55                   | 201.307           |                    |         |
| 500.00                                  | 499.84              | 478.84              | 478.84              | 3.80            | 15.33       | 143.29                | -2,537.69                         | -1,828.68  | 3,133.52             | 3,114.39              | 19.13                   | 163.820           |                    |         |
| 600.00                                  | 599.45              | 578.45              | 578.45              | 4.04            | 18.74       | 143.30                | -2,537.69                         | -1,828.68  | 3,140.52             | 3,117.74              | 22.78                   | 137.854           |                    |         |
| 700.00                                  | 698.70              | 677.70              | 677.70              | 4.32            | 22.16       | 143.31                | -2,537.69                         | -1,828.68  | 3,150.32             | 3,123.84              | 26.48                   | 118.975           |                    |         |
| 800.00                                  | 797.47              | 776.47              | 776.47              | 4.63            | 25.57       | 143.33                | -2,537.69                         | -1,828.68  | 3,162.92             | 3,132.71              | 30.20                   | 104.722           |                    |         |
| 900.00                                  | 895.62              | 874.62              | 874.62              | 4.97            | 28.97       | 143.35                | -2,537.69                         | -1,828.68  | 3,178.32             | 3,144.38              | 33.94                   | 93.640            |                    |         |
| 924.00                                  | 919.08              | 901.92              | 898.08              | 5.06            | 29.92       | 143.35                | -2,537.69                         | -1,828.68  | 3,182.44             | 3,147.46              | 34.98                   | 90.987            |                    |         |
| 1,000.00                                | 993.28              | 972.28              | 972.28              | 5.34            | 32.36       | 143.53                | -2,537.69                         | -1,828.68  | 3,195.74             | 3,158.05              | 37.69                   | 84.787            |                    |         |
| 1,100.00                                | 1,090.92            | 1,069.92            | 1,069.92            | 5.73            | 35.76       | 143.75                | -2,537.69                         | -1,828.68  | 3,213.29             | 3,171.83              | 41.46                   | 77.507            |                    |         |
| 1,200.00                                | 1,188.56            | 1,167.56            | 1,167.56            | 6.15            | 39.15       | 143.98                | -2,537.69                         | -1,828.68  | 3,230.88             | 3,185.64              | 45.24                   | 71.411            |                    |         |
| 1,300.00                                | 1,286.19            | 1,265.19            | 1,265.19            | 6.57            | 42.55       | 144.20                | -2,537.69                         | -1,828.68  | 3,248.53             | 3,199.49              | 49.04                   | 66.237            |                    |         |
| 1,400.00                                | 1,383.83            | 1,362.83            | 1,362.83            | 7.01            | 45.95       | 144.42                | -2,537.69                         | -1,828.68  | 3,266.22             | 3,213.37              | 52.86                   | 61.795            |                    |         |
| 1,500.00                                | 1,481.47            | 1,460.47            | 1,460.47            | 7.46            | 49.35       | 144.64                | -2,537.69                         | -1,828.68  | 3,283.96             | 3,227.28              | 56.68                   | 57.940            |                    |         |
| 1,600.00                                | 1,579.10            | 1,558.10            | 1,558.10            | 7.91            | 52.75       | 144.85                | -2,537.69                         | -1,828.68  | 3,301.75             | 3,241.24              | 60.51                   | 54.566            |                    |         |
| 1,700.00                                | 1,676.74            | 1,655.74            | 1,655.74            | 8.37            | 56.15       | 145.07                | -2,537.69                         | -1,828.68  | 3,319.58             | 3,255.23              | 64.35                   | 51.589            |                    |         |
| 1,800.00                                | 1,774.38            | 1,753.38            | 1,753.38            | 8.84            | 59.56       | 145.28                | -2,537.69                         | -1,828.68  | 3,337.45             | 3,269.26              | 68.19                   | 48.943            |                    |         |
| 1,900.00                                | 1,872.02            | 1,851.02            | 1,851.02            | 9.31            | 62.96       | 145.49                | -2,537.69                         | -1,828.68  | 3,355.37             | 3,283.33              | 72.04                   | 46.578            |                    |         |
| 2,000.00                                | 1,969.65            | 1,948.65            | 1,948.65            | 9.79            | 66.36       | 145.69                | -2,537.69                         | -1,828.68  | 3,373.33             | 3,297.44              | 75.89                   | 44.450            |                    |         |
| 2,100.00                                | 2,067.29            | 2,046.29            | 2,046.29            | 10.27           | 69.77       | 145.90                | -2,537.69                         | -1,828.68  | 3,391.34             | 3,311.59              | 79.75                   | 42.526            |                    |         |
| 2,200.00                                | 2,164.93            | 2,143.93            | 2,143.93            | 10.75           | 73.17       | 146.10                | -2,537.69                         | -1,828.68  | 3,409.39             | 3,325.78              | 83.61                   | 40.779            |                    |         |
| 2,300.00                                | 2,262.56            | 2,241.56            | 2,241.56            | 11.24           | 76.58       | 146.30                | -2,537.69                         | -1,828.68  | 3,427.48             | 3,340.01              | 87.47                   | 39.186            |                    |         |
| 2,400.00                                | 2,360.20            | 2,339.20            | 2,339.20            | 11.73           | 79.98       | 146.50                | -2,537.69                         | -1,828.68  | 3,445.60             | 3,354.27              | 91.33                   | 37.727            |                    |         |
| 2,500.00                                | 2,457.84            | 2,436.84            | 2,436.84            | 12.22           | 83.39       | 146.69                | -2,537.69                         | -1,828.68  | 3,463.77             | 3,368.58              | 95.20                   | 36.386            |                    |         |
| 2,600.00                                | 2,555.48            | 2,534.48            | 2,534.48            | 12.71           | 86.80       | 146.89                | -2,537.69                         | -1,828.68  | 3,481.98             | 3,382.92              | 99.06                   | 35.149            |                    |         |
| 2,700.00                                | 2,653.11            | 2,632.11            | 2,632.11            | 13.20           | 90.20       | 147.08                | -2,537.69                         | -1,828.68  | 3,500.23             | 3,397.30              | 102.93                  | 34.005            |                    |         |
| 2,800.00                                | 2,750.75            | 2,729.75            | 2,729.75            | 13.70           | 93.61       | 147.27                | -2,537.69                         | -1,828.68  | 3,518.51             | 3,411.71              | 106.80                  | 32.944            |                    |         |
| 2,900.00                                | 2,848.39            | 2,827.39            | 2,827.39            | 14.19           | 97.01       | 147.46                | -2,537.69                         | -1,828.68  | 3,536.84             | 3,426.16              | 110.67                  | 31.957            |                    |         |
| 3,000.00                                | 2,946.02            | 2,925.02            | 2,925.02            | 14.69           | 100.42      | 147.64                | -2,537.69                         | -1,828.68  | 3,555.20             | 3,440.65              | 114.55                  | 31.037            |                    |         |
| 3,100.00                                | 3,043.66            | 3,022.66            | 3,022.66            | 15.19           | 103.83      | 147.83                | -2,537.69                         | -1,828.68  | 3,573.59             | 3,455.17              | 118.42                  | 30.177            |                    |         |
| 3,200.00                                | 3,141.30            | 3,120.30            | 3,120.30            | 15.69           | 107.23      | 148.01                | -2,537.69                         | -1,828.68  | 3,592.02             | 3,469.73              | 122.29                  | 29.372            |                    |         |
| 3,300.00                                | 3,238.94            | 3,217.94            | 3,217.94            | 16.19           | 110.64      | 148.19                | -2,537.69                         | -1,828.68  | 3,610.49             | 3,484.32              | 126.17                  | 28.616            |                    |         |
| 3,400.00                                | 3,336.57            | 3,315.57            | 3,315.57            | 16.69           | 114.05      | 148.37                | -2,537.69                         | -1,828.68  | 3,628.99             | 3,498.95              | 130.04                  | 27.906            |                    |         |
| 3,500.00                                | 3,434.21            | 3,413.21            | 3,413.21            | 17.19           | 117.46      | 148.54                | -2,537.69                         | -1,828.68  | 3,647.53             | 3,513.61              | 133.92                  | 27.236            |                    |         |
| 3,600.00                                | 3,531.85            | 3,510.85            | 3,510.85            | 17.69           | 120.86      | 148.72                | -2,537.69                         | -1,828.68  | 3,666.10             | 3,528.30              | 137.80                  | 26.605            |                    |         |
| 3,700.00                                | 3,629.48            | 3,608.48            | 3,608.48            | 18.20           | 124.27      | 148.89                | -2,537.69                         | -1,828.68  | 3,684.70             | 3,543.02              | 141.67                  | 26.008            |                    |         |
| 3,800.00                                | 3,727.12            | 3,706.12            | 3,706.12            | 18.70           | 127.68      | 149.07                | -2,537.69                         | -1,828.68  | 3,703.33             | 3,557.78              | 145.55                  | 25.443            |                    |         |
| 3,900.00                                | 3,824.76            | 3,803.76            | 3,803.76            | 19.21           | 131.09      | 149.24                | -2,537.69                         | -1,828.68  | 3,722.00             | 3,572.57              | 149.43                  | 24.908            |                    |         |
| 4,000.00                                | 3,922.40            | 3,901.40            | 3,901.40            | 19.71           | 134.49      | 149.40                | -2,537.69                         | -1,828.68  | 3,740.70             | 3,587.39              | 153.31                  | 24.400            |                    |         |
| 4,100.00                                | 4,020.03            | 4,000.97            | 3,999.03            | 20.21           | 137.97      | 149.57                | -2,537.69                         | -1,828.68  | 3,759.43             | 3,602.18              | 157.25                  | 23.907            |                    |         |
| 4,200.00                                | 4,117.67            | 4,103.33            | 4,096.67            | 20.72           | 141.54      | 149.74                | -2,537.69                         | -1,828.68  | 3,778.19             | 3,616.90              | 161.30                  | 23.424            |                    |         |
| 4,300.00                                | 4,215.31            | 4,205.69            | 4,194.31            | 21.23           | 145.11      | 149.90                | -2,537.69                         | -1,828.68  | 3,796.98             | 3,631.64              | 165.34                  | 22.965            |                    |         |
| 4,400.00                                | 4,312.94            | 4,308.06            | 4,291.94            | 21.73           | 148.69      | 150.06                | -2,537.69                         | -1,828.68  | 3,815.80             | 3,646.42              | 169.38                  | 22.527            |                    |         |
| 4,500.00                                | 4,410.58            | 4,389.58            | 4,389.58            | 22.24           | 151.53      | 150.22                | -2,537.69                         | -1,828.68  | 3,834.66             | 3,661.95              | 172.70                  | 22.204            |                    |         |
| 4,600.00                                | 4,508.22            | 4,487.22            | 4,487.22            | 22.75           | 154.94      | 150.38                | -2,537.69                         | -1,828.68  | 3,853.53             | 3,676.95              | 176.58                  | 21.823            |                    |         |
| 4,700.00                                | 4,605.86            | 4,584.86            | 4,584.86            | 23.25           | 158.35      | 150.54                | -2,537.69                         | -1,828.68  | 3,872.44             | 3,691.98              | 180.46                  | 21.459            |                    |         |
| 4,800.00                                | 4,703.49            | 4,682.49            | 4,682.49            | 23.76           | 161.75      | 150.69                | -2,537.69                         | -1,828.68  | 3,891.38             | 3,707.04              | 184.34                  | 21.110            |                    |         |
| 4,900.00                                | 4,801.13            | 4,780.13            | 4,780.13            | 24.27           | 165.16      | 150.85                | -2,537.69                         | -1,828.68  | 3,910.34             | 3,722.12              | 188.22                  | 20.775            |                    |         |
| 5,000.00                                | 4,898.77            | 4,877.77            | 4,877.77            | 24.77           | 168.57      | 151.00                | -2,537.69                         | -1,828.68  | 3,929.33             | 3,737.24              | 192.10                  | 20.455            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 4,975.40            | 4,975.40            | 25.28           | 171.98      | 151.15                | -2,537.69                         | -1,828.68  | 3,948.35             | 3,752.37              | 195.98                  | 20.147            |                    |         |
| 5,200.00                                | 5,094.04            | 5,073.04            | 5,073.04            | 25.79           | 175.39      | 151.30                | -2,537.69                         | -1,828.68  | 3,967.40             | 3,767.54              | 199.86                  | 19.851            |                    |         |
| 5,300.00                                | 5,191.68            | 5,170.68            | 5,170.68            | 26.30           | 178.79      | 151.45                | -2,537.69                         | -1,828.68  | 3,986.47             | 3,782.73              | 203.74                  | 19.567            |                    |         |
| 5,400.00                                | 5,289.32            | 5,268.32            | 5,268.32            | 26.81           | 182.20      | 151.59                | -2,537.69                         | -1,828.68  | 4,005.56             | 3,797.95              | 207.62                  | 19.293            |                    |         |
| 5,500.00                                | 5,386.95            | 5,365.95            | 5,365.95            | 27.32           | 185.61      | 151.74                | -2,537.69                         | -1,828.68  | 4,024.69             | 3,813.19              | 211.50                  | 19.029            |                    |         |
| 5,600.00                                | 5,484.59            | 5,463.59            | 5,463.59            | 27.83           | 189.02      | 151.88                | -2,537.69                         | -1,828.68  | 4,043.83             | 3,828.46              | 215.38                  | 18.775            |                    |         |
| 5,700.00                                | 5,582.23            | 5,561.23            | 5,561.23            | 28.33           | 192.43      | 152.03                | -2,537.69                         | -1,828.68  | 4,063.01             | 3,843.75              | 219.26                  | 18.531            |                    |         |
| 5,800.00                                | 5,679.87            | 5,658.87            | 5,658.87            | 28.84           | 195.83      | 152.17                | -2,537.69                         | -1,828.68  | 4,082.20             | 3,859.06              | 223.14                  | 18.294            |                    |         |
| 5,900.00                                | 5,777.50            | 5,756.50            | 5,756.50            | 29.35           | 199.24      | 152.31                | -2,537.69                         | -1,828.68  | 4,101.42             | 3,874.40              | 227.02                  | 18.066            |                    |         |
| 6,000.00                                | 5,875.14            | 5,854.14            | 5,854.14            | 29.86           | 202.65      | 152.45                | -2,537.69                         | -1,828.68  | 4,120.67             | 3,889.77              | 230.90                  | 17.846            |                    |         |
| 6,100.00                                | 5,972.78            | 5,951.78            | 5,951.78            | 30.37           | 206.06      | 152.59                | -2,537.69                         | -1,828.68  | 4,139.93             | 3,905.15              | 234.78                  | 17.633            |                    |         |
| 6,200.00                                | 6,070.41            | 6,049.41            | 6,049.41            | 30.88           | 209.47      | 152.72                | -2,537.69                         | -1,828.68  | 4,159.22             | 3,920.56              | 238.66                  | 17.427            |                    |         |
| 6,300.00                                | 6,168.05            | 6,147.05            | 6,147.05            | 31.39           | 212.87      | 152.86                | -2,537.69                         | -1,828.68  | 4,178.54             | 3,936.00              | 242.54                  | 17.228            |                    |         |
| 6,400.00                                | 6,265.69            | 6,244.69            | 6,244.69            | 31.90           | 216.28      | 152.99                | -2,537.69                         | -1,828.68  | 4,197.87             | 3,951.45              | 246.42                  | 17.035            |                    |         |
| 6,439.09                                | 6,303.85            | 6,282.85            | 6,282.85            | 32.10           | 217.61      | 153.04                | -2,537.69                         | -1,828.68  | 4,205.44             | 3,957.50              | 247.94                  | 16.962            |                    |         |
| 6,450.00                                | 6,314.53            | 6,306.48            | 6,293.53            | 32.16           | 218.44      | 154.66                | -2,537.69                         | -1,828.68  | 4,207.48             | 3,958.67              | 248.81                  | 16.910            |                    |         |
| 6,500.00                                | 6,363.83            | 6,342.83            | 6,342.83            | 32.39           | 219.71      | 166.61                | -2,537.69                         | -1,828.68  | 4,215.18             | 3,964.88              | 250.31                  | 16.840            |                    |         |
| 6,550.00                                | 6,413.58            | 6,407.42            | 6,392.58            | 32.60           | 221.96      | -160.51               | -2,537.69                         | -1,828.68  | 4,220.09             | 3,967.32              | 252.77                  | 16.695            |                    |         |
| 6,600.00                                | 6,463.45            | 6,442.45            | 6,442.45            | 32.79           | 223.19      | -99.58                | -2,537.69                         | -1,828.68  | 4,222.18             | 3,967.99              | 254.19                  | 16.610            |                    |         |
| 6,650.00                                | 6,513.15            | 6,507.85            | 6,492.15            | 32.97           | 225.47      | -72.19                | -2,537.69                         | -1,828.68  | 4,221.43             | 3,964.78              | 256.65                  | 16.448            |                    |         |
| 6,700.00                                | 6,562.37            | 6,541.37            | 6,541.37            | 33.15           | 226.64      | -62.52                | -2,537.69                         | -1,828.68  | 4,217.87             | 3,959.87              | 258.00                  | 16.348            |                    |         |
| 6,750.00                                | 6,610.80            | 6,589.80            | 6,589.80            | 33.34           | 228.33      | -58.24                | -2,537.69                         | -1,828.68  | 4,211.53             | 3,951.67              | 259.86                  | 16.207            |                    |         |
| 6,800.00                                | 6,658.14            | 6,637.14            | 6,637.14            | 33.53           | 229.98      | -56.22                | -2,537.69                         | -1,828.68  | 4,202.47             | 3,940.79              | 261.68                  | 16.060            |                    |         |
| 6,850.00                                | 6,704.11            | 6,683.11            | 6,683.11            | 33.74           | 231.59      | -55.41                | -2,537.69                         | -1,828.68  | 4,190.77             | 3,927.32              | 263.45                  | 15.907            |                    |         |
| 6,900.00                                | 6,748.42            | 6,727.42            | 6,727.42            | 33.97           | 233.13      | -55.39                | -2,537.69                         | -1,828.68  | 4,176.53             | 3,911.36              | 265.16                  | 15.751            |                    |         |
| 6,950.00                                | 6,790.79            | 6,769.79            | 6,769.79            | 34.21           | 234.61      | -55.95                | -2,537.69                         | -1,828.68  | 4,159.87             | 3,893.05              | 266.81                  | 15.591            |                    |         |
| 7,000.00                                | 6,830.97            | 6,809.97            | 6,809.97            | 34.48           | 236.01      | -56.98                | -2,537.69                         | -1,828.68  | 4,140.92             | 3,872.53              | 268.39                  | 15.429            |                    |         |
| 7,050.00                                | 6,868.71            | 6,847.71            | 6,847.71            | 34.77           | 237.33      | -58.42                | -2,537.69                         | -1,828.68  | 4,119.85             | 3,849.96              | 269.89                  | 15.265            |                    |         |
| 7,100.00                                | 6,903.77            | 6,882.77            | 6,882.77            | 35.09           | 238.55      | -60.23                | -2,537.69                         | -1,828.68  | 4,096.82             | 3,825.50              | 271.32                  | 15.100            |                    |         |
| 7,150.00                                | 6,935.93            | 6,914.93            | 6,914.93            | 35.44           | 239.68      | -62.39                | -2,537.69                         | -1,828.68  | 4,072.01             | 3,799.34              | 272.66                  | 14.934            |                    |         |
| 7,200.00                                | 6,965.01            | 6,944.01            | 6,944.01            | 35.83           | 240.69      | -64.87                | -2,537.69                         | -1,828.68  | 4,045.61             | 3,771.69              | 273.92                  | 14.769            |                    |         |
| 7,250.00                                | 6,990.82            | 6,969.82            | 6,969.82            | 36.26           | 241.59      | -67.66                | -2,537.69                         | -1,828.68  | 4,017.83             | 3,742.73              | 275.10                  | 14.605            |                    |         |
| 7,300.00                                | 7,013.20            | 7,007.80            | 6,992.20            | 36.72           | 242.92      | -70.71                | -2,537.69                         | -1,828.68  | 3,988.88             | 3,712.15              | 276.73                  | 14.414            |                    |         |
| 7,350.00                                | 7,032.02            | 7,011.02            | 7,011.02            | 37.23           | 243.03      | -74.00                | -2,537.69                         | -1,828.68  | 3,958.97             | 3,681.78              | 277.19                  | 14.283            |                    |         |
| 7,400.00                                | 7,047.15            | 7,026.15            | 7,026.15            | 37.77           | 243.56      | -77.48                | -2,537.69                         | -1,828.68  | 3,928.31             | 3,650.22              | 278.09                  | 14.126            |                    |         |
| 7,450.00                                | 7,058.51            | 7,037.51            | 7,037.51            | 38.34           | 243.96      | -81.08                | -2,537.69                         | -1,828.68  | 3,897.12             | 3,618.22              | 278.90                  | 13.973            |                    |         |
| 7,500.00                                | 7,066.02            | 7,045.02            | 7,045.02            | 38.95           | 244.22      | -84.76                | -2,537.69                         | -1,828.68  | 3,865.63             | 3,586.01              | 279.62                  | 13.825            |                    |         |
| 7,550.00                                | 7,069.64            | 7,048.64            | 7,048.64            | 39.58           | 244.35      | -88.44                | -2,537.69                         | -1,828.68  | 3,834.03             | 3,553.81              | 280.23                  | 13.682            |                    |         |
| 7,571.20                                | 7,070.00            | 7,049.00            | 7,049.00            | 39.85           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,820.66             | 3,540.21              | 280.45                  | 13.623            |                    |         |
| 7,600.00                                | 7,070.00            | 7,049.00            | 7,049.00            | 40.23           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,802.57             | 3,521.82              | 280.75                  | 13.544            |                    |         |
| 7,700.00                                | 7,070.01            | 7,049.01            | 7,049.01            | 41.64           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,740.82             | 3,458.91              | 281.91                  | 13.270            |                    |         |
| 7,800.00                                | 7,070.02            | 7,049.02            | 7,049.02            | 43.20           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,680.75             | 3,397.51              | 283.24                  | 12.995            |                    |         |
| 7,900.00                                | 7,070.03            | 7,049.03            | 7,049.03            | 44.89           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,622.44             | 3,337.71              | 284.73                  | 12.722            |                    |         |
| 8,000.00                                | 7,070.04            | 7,049.04            | 7,049.04            | 46.69           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,565.98             | 3,279.59              | 286.39                  | 12.452            |                    |         |
| 8,100.00                                | 7,070.05            | 7,049.05            | 7,049.05            | 48.60           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,511.47             | 3,223.26              | 288.20                  | 12.184            |                    |         |
| 8,200.00                                | 7,070.05            | 7,049.05            | 7,049.05            | 50.59           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,458.98             | 3,168.82              | 290.17                  | 11.921            |                    |         |
| 8,300.00                                | 7,070.06            | 7,049.06            | 7,049.06            | 52.66           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,408.63             | 3,116.35              | 292.27                  | 11.662            |                    |         |
| 8,400.00                                | 7,070.07            | 7,049.07            | 7,049.07            | 54.81           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,360.49             | 3,065.98              | 294.51                  | 11.410            |                    |         |
| 8,500.00                                | 7,070.08            | 7,049.08            | 7,049.08            | 57.02           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,314.67             | 3,017.80              | 296.88                  | 11.165            |                    |         |
| 8,600.00                                | 7,070.09            | 7,049.09            | 7,049.09            | 59.28           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,271.27             | 2,971.92              | 299.35                  | 10.928            |                    |         |
| 8,700.00                                | 7,070.10            | 7,049.10            | 7,049.10            | 61.60           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,230.39             | 2,928.45              | 301.93                  | 10.699            |                    |         |
| 8,800.00                                | 7,070.11            | 7,049.11            | 7,049.11            | 63.95           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,192.11             | 2,887.51              | 304.60                  | 10.480            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,049.12            | 7,049.12            | 66.35           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,156.54             | 2,849.19              | 307.35                  | 10.270            |                    |         |
| 9,000.00                                | 7,070.13            | 7,049.13            | 7,049.13            | 68.79           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,123.76             | 2,813.60              | 310.17                  | 10.071            |                    |         |
| 9,100.00                                | 7,070.13            | 7,049.13            | 7,049.13            | 71.25           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,093.88             | 2,780.85              | 313.03                  | 9.884             |                    |         |
| 9,200.00                                | 7,070.14            | 7,049.14            | 7,049.14            | 73.74           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,066.96             | 2,751.03              | 315.93                  | 9.708             |                    |         |
| 9,300.00                                | 7,070.15            | 7,049.15            | 7,049.15            | 76.26           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,043.09             | 2,724.23              | 318.86                  | 9.544             |                    |         |
| 9,400.00                                | 7,070.16            | 7,049.16            | 7,049.16            | 78.80           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,022.35             | 2,700.55              | 321.80                  | 9.392             |                    |         |
| 9,500.00                                | 7,070.17            | 7,049.17            | 7,049.17            | 81.37           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 3,004.79             | 2,680.06              | 324.73                  | 9.253             |                    |         |
| 9,600.00                                | 7,070.18            | 7,049.18            | 7,049.18            | 83.95           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 2,990.47             | 2,662.83              | 327.64                  | 9.127             |                    |         |
| 9,700.00                                | 7,070.19            | 7,049.19            | 7,049.19            | 86.55           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 2,979.44             | 2,648.93              | 330.52                  | 9.015             |                    |         |
| 9,800.00                                | 7,070.20            | 7,049.20            | 7,049.20            | 89.17           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 2,971.74             | 2,638.40              | 333.35                  | 8.915             |                    |         |
| 9,900.00                                | 7,070.21            | 7,049.21            | 7,049.21            | 91.80           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 2,967.39             | 2,631.28              | 336.11                  | 8.829             |                    |         |
| 9,979.16                                | 7,070.21            | 7,049.21            | 7,049.21            | 93.89           | 244.36      | -90.00                | -2,537.69                         | -1,828.68  | 2,966.34             | 2,628.08              | 338.25                  | 8.770 CC          |                    |         |
| 10,000.00                               | 7,070.21            | 7,049.21            | 7,049.21            | 94.44           | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 2,966.41             | 2,627.60              | 338.81                  | 8.755             |                    |         |
| 10,100.00                               | 7,070.22            | 7,049.22            | 7,049.22            | 97.10           | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 2,968.80             | 2,627.38              | 341.42                  | 8.696 ES          |                    |         |
| 10,200.00                               | 7,070.23            | 7,049.23            | 7,049.23            | 99.77           | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 2,974.54             | 2,630.62              | 343.93                  | 8.649             |                    |         |
| 10,300.00                               | 7,070.24            | 7,049.24            | 7,049.24            | 102.44          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 2,983.64             | 2,637.30              | 346.34                  | 8.615             |                    |         |
| 10,400.00                               | 7,070.25            | 7,049.25            | 7,049.25            | 105.13          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 2,996.04             | 2,647.40              | 348.64                  | 8.594             |                    |         |
| 10,500.00                               | 7,070.26            | 7,049.26            | 7,049.26            | 107.83          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,011.71             | 2,660.90              | 350.82                  | 8.585 SF          |                    |         |
| 10,600.00                               | 7,070.27            | 7,049.27            | 7,049.27            | 110.53          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,030.61             | 2,677.73              | 352.87                  | 8.588             |                    |         |
| 10,700.00                               | 7,070.28            | 7,049.28            | 7,049.28            | 113.24          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,052.66             | 2,697.86              | 354.81                  | 8.604             |                    |         |
| 10,800.00                               | 7,070.28            | 7,049.28            | 7,049.28            | 115.96          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,077.81             | 2,721.20              | 356.61                  | 8.631             |                    |         |
| 10,900.00                               | 7,070.29            | 7,049.29            | 7,049.29            | 118.69          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,105.98             | 2,747.69              | 358.29                  | 8.669             |                    |         |
| 11,000.00                               | 7,070.30            | 7,049.30            | 7,049.30            | 121.42          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,137.08             | 2,777.24              | 359.84                  | 8.718             |                    |         |
| 11,100.00                               | 7,070.31            | 7,049.31            | 7,049.31            | 124.16          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,171.03             | 2,809.76              | 361.26                  | 8.778             |                    |         |
| 11,200.00                               | 7,070.32            | 7,049.32            | 7,049.32            | 126.90          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,207.74             | 2,845.17              | 362.57                  | 8.847             |                    |         |
| 11,300.00                               | 7,070.33            | 7,049.33            | 7,049.33            | 129.65          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,247.12             | 2,883.36              | 363.75                  | 8.927             |                    |         |
| 11,400.00                               | 7,070.34            | 7,049.34            | 7,049.34            | 132.40          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,289.06             | 2,924.24              | 364.82                  | 9.015             |                    |         |
| 11,500.00                               | 7,070.35            | 7,049.35            | 7,049.35            | 135.16          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,333.48             | 2,967.70              | 365.79                  | 9.113             |                    |         |
| 11,600.00                               | 7,070.36            | 7,049.36            | 7,049.36            | 137.92          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,380.28             | 3,013.63              | 366.64                  | 9.220             |                    |         |
| 11,700.00                               | 7,070.36            | 7,049.36            | 7,049.36            | 140.69          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,429.35             | 3,061.94              | 367.40                  | 9.334             |                    |         |
| 11,800.00                               | 7,070.37            | 7,049.37            | 7,049.37            | 143.46          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,480.60             | 3,112.53              | 368.07                  | 9.456             |                    |         |
| 11,900.00                               | 7,070.38            | 7,049.38            | 7,049.38            | 146.23          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,533.94             | 3,165.29              | 368.65                  | 9.586             |                    |         |
| 12,000.00                               | 7,070.39            | 7,049.39            | 7,049.39            | 149.01          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,589.28             | 3,220.13              | 369.15                  | 9.723             |                    |         |
| 12,100.00                               | 7,070.40            | 7,049.40            | 7,049.40            | 151.79          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,646.52             | 3,276.94              | 369.58                  | 9.867             |                    |         |
| 12,200.00                               | 7,070.41            | 7,049.41            | 7,049.41            | 154.57          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,705.57             | 3,335.64              | 369.93                  | 10.017            |                    |         |
| 12,300.00                               | 7,070.42            | 7,049.42            | 7,049.42            | 157.35          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,766.36             | 3,396.13              | 370.22                  | 10.173            |                    |         |
| 12,400.00                               | 7,070.43            | 7,049.43            | 7,049.43            | 160.14          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,828.79             | 3,458.33              | 370.46                  | 10.335            |                    |         |
| 12,500.00                               | 7,070.44            | 7,049.44            | 7,049.44            | 162.93          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,892.78             | 3,522.15              | 370.64                  | 10.503            |                    |         |
| 12,600.00                               | 7,070.44            | 7,049.44            | 7,049.44            | 165.72          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 3,958.27             | 3,587.51              | 370.77                  | 10.676            |                    |         |
| 12,700.00                               | 7,070.45            | 7,049.45            | 7,049.45            | 168.52          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 4,025.18             | 3,654.33              | 370.85                  | 10.854            |                    |         |
| 12,800.00                               | 7,070.46            | 7,049.46            | 7,049.46            | 171.32          | 244.37      | -90.00                | -2,537.69                         | -1,828.68  | 4,093.44             | 3,722.55              | 370.89                  | 11.037            |                    |         |
| 12,900.00                               | 7,070.47            | 7,049.47            | 7,049.47            | 174.11          | 244.37      | -90.01                | -2,537.69                         | -1,828.68  | 4,162.98             | 3,792.08              | 370.90                  | 11.224            |                    |         |
| 13,000.00                               | 7,070.48            | 7,049.48            | 7,049.48            | 176.92          | 244.37      | -90.01                | -2,537.69                         | -1,828.68  | 4,233.75             | 3,862.87              | 370.88                  | 11.416            |                    |         |
| 13,100.00                               | 7,070.49            | 7,049.49            | 7,049.49            | 179.72          | 244.37      | -90.01                | -2,537.69                         | -1,828.68  | 4,305.67             | 3,934.85              | 370.82                  | 11.611            |                    |         |
| 13,200.00                               | 7,070.50            | 7,049.50            | 7,049.50            | 182.52          | 244.37      | -90.01                | -2,537.69                         | -1,828.68  | 4,378.69             | 4,007.96              | 370.74                  | 11.811            |                    |         |
| 13,300.00                               | 7,070.51            | 7,049.51            | 7,049.51            | 185.33          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 4,452.76             | 4,082.13              | 370.63                  | 12.014            |                    |         |
| 13,400.00                               | 7,070.52            | 7,049.52            | 7,049.52            | 188.14          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 4,527.83             | 4,157.33              | 370.50                  | 12.221            |                    |         |
| 13,500.00                               | 7,070.52            | 7,049.52            | 7,049.52            | 190.95          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 4,603.85             | 4,233.50              | 370.35                  | 12.431            |                    |         |
| 13,600.00                               | 7,070.53            | 7,049.53            | 7,049.53            | 193.76          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 4,680.77             | 4,310.58              | 370.19                  | 12.644            |                    |         |
| 13,700.00                               | 7,070.54            | 7,049.54            | 7,049.54            | 196.57          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 4,758.55             | 4,388.54              | 370.01                  | 12.861            |                    |         |
| 13,800.00                               | 7,070.55            | 7,049.55            | 7,049.55            | 199.38          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 4,837.14             | 4,467.32              | 369.82                  | 13.080            |                    |         |
| 13,900.00                               | 7,070.56            | 7,049.56            | 7,049.56            | 202.20          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 4,916.51             | 4,546.90              | 369.62                  | 13.302            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,049.57            | 7,049.57            | 205.01          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 4,996.63             | 4,627.22              | 369.41                  | 13.526            |                    |         |
| 14,100.00                               | 7,070.58            | 7,049.58            | 7,049.58            | 207.83          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,077.45             | 4,708.26              | 369.19                  | 13.753            |                    |         |
| 14,200.00                               | 7,070.59            | 7,049.59            | 7,049.59            | 210.65          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,158.94             | 4,789.98              | 368.96                  | 13.982            |                    |         |
| 14,300.00                               | 7,070.60            | 7,049.60            | 7,049.60            | 213.47          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,241.07             | 4,872.34              | 368.72                  | 14.214            |                    |         |
| 14,400.00                               | 7,070.60            | 7,049.60            | 7,049.60            | 216.29          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,323.81             | 4,955.33              | 368.49                  | 14.448            |                    |         |
| 14,500.00                               | 7,070.61            | 7,049.61            | 7,049.61            | 219.11          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,407.14             | 5,038.89              | 368.24                  | 14.684            |                    |         |
| 14,600.00                               | 7,070.62            | 7,049.62            | 7,049.62            | 221.94          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,491.02             | 5,123.02              | 368.00                  | 14.921            |                    |         |
| 14,700.00                               | 7,070.63            | 7,049.63            | 7,049.63            | 224.76          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,575.43             | 5,207.68              | 367.75                  | 15.161            |                    |         |
| 14,800.00                               | 7,070.64            | 7,049.64            | 7,049.64            | 227.58          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,660.36             | 5,292.86              | 367.50                  | 15.402            |                    |         |
| 14,900.00                               | 7,070.65            | 7,049.65            | 7,049.65            | 230.41          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,745.76             | 5,378.51              | 367.25                  | 15.645            |                    |         |
| 15,000.00                               | 7,070.66            | 7,049.66            | 7,049.66            | 233.24          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,831.63             | 5,464.64              | 367.00                  | 15.890            |                    |         |
| 15,100.00                               | 7,070.67            | 7,049.67            | 7,049.67            | 236.06          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 5,917.95             | 5,551.20              | 366.75                  | 16.136            |                    |         |
| 15,200.00                               | 7,070.68            | 7,049.68            | 7,049.68            | 238.89          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,004.69             | 5,638.19              | 366.49                  | 16.384            |                    |         |
| 15,300.00                               | 7,070.68            | 7,049.68            | 7,049.68            | 241.72          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,091.84             | 5,725.59              | 366.24                  | 16.633            |                    |         |
| 15,400.00                               | 7,070.69            | 7,049.69            | 7,049.69            | 244.55          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,179.37             | 5,813.38              | 366.00                  | 16.884            |                    |         |
| 15,500.00                               | 7,070.70            | 7,049.70            | 7,049.70            | 247.38          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,267.28             | 5,901.53              | 365.75                  | 17.136            |                    |         |
| 15,600.00                               | 7,070.71            | 7,049.71            | 7,049.71            | 250.21          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,355.55             | 5,990.04              | 365.50                  | 17.389            |                    |         |
| 15,700.00                               | 7,070.72            | 7,049.72            | 7,049.72            | 253.04          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,444.16             | 6,078.90              | 365.26                  | 17.643            |                    |         |
| 15,800.00                               | 7,070.73            | 7,049.73            | 7,049.73            | 255.87          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,533.09             | 6,168.08              | 365.02                  | 17.898            |                    |         |
| 15,900.00                               | 7,070.74            | 7,049.74            | 7,049.74            | 258.71          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,622.35             | 6,257.57              | 364.78                  | 18.154            |                    |         |
| 16,000.00                               | 7,070.75            | 7,049.75            | 7,049.75            | 261.54          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,711.90             | 6,347.36              | 364.54                  | 18.412            |                    |         |
| 16,100.00                               | 7,070.76            | 7,049.76            | 7,049.76            | 264.37          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,801.75             | 6,437.44              | 364.31                  | 18.670            |                    |         |
| 16,200.00                               | 7,070.76            | 7,049.76            | 7,049.76            | 267.21          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,891.88             | 6,527.80              | 364.08                  | 18.930            |                    |         |
| 16,300.00                               | 7,070.77            | 7,049.77            | 7,049.77            | 270.04          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 6,982.27             | 6,618.43              | 363.85                  | 19.190            |                    |         |
| 16,400.00                               | 7,070.78            | 7,049.78            | 7,049.78            | 272.88          | 244.38      | -90.01                | -2,537.69                         | -1,828.68  | 7,072.93             | 6,709.31              | 363.62                  | 19.451            |                    |         |
| 16,500.00                               | 7,070.79            | 7,049.79            | 7,049.79            | 275.71          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,163.83             | 6,800.43              | 363.40                  | 19.713            |                    |         |
| 16,600.00                               | 7,070.80            | 7,049.80            | 7,049.80            | 278.55          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,254.97             | 6,891.79              | 363.18                  | 19.976            |                    |         |
| 16,700.00                               | 7,070.81            | 7,049.81            | 7,049.81            | 281.39          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,346.35             | 6,983.38              | 362.97                  | 20.240            |                    |         |
| 16,800.00                               | 7,070.82            | 7,049.82            | 7,049.82            | 284.22          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,437.94             | 7,075.19              | 362.75                  | 20.504            |                    |         |
| 16,900.00                               | 7,070.83            | 7,049.83            | 7,049.83            | 287.06          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,529.75             | 7,167.21              | 362.54                  | 20.769            |                    |         |
| 17,000.00                               | 7,070.84            | 7,049.84            | 7,049.84            | 289.90          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,621.77             | 7,259.43              | 362.34                  | 21.035            |                    |         |
| 17,100.00                               | 7,070.84            | 7,049.84            | 7,049.84            | 292.74          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,713.98             | 7,351.85              | 362.13                  | 21.301            |                    |         |
| 17,200.00                               | 7,070.85            | 7,049.85            | 7,049.85            | 295.58          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,806.39             | 7,444.45              | 361.94                  | 21.568            |                    |         |
| 17,300.00                               | 7,070.86            | 7,049.86            | 7,049.86            | 298.42          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,898.98             | 7,537.24              | 361.74                  | 21.836            |                    |         |
| 17,400.00                               | 7,070.87            | 7,049.87            | 7,049.87            | 301.26          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 7,991.74             | 7,630.20              | 361.55                  | 22.104            |                    |         |
| 17,500.00                               | 7,070.88            | 7,049.88            | 7,049.88            | 304.10          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,084.69             | 7,723.33              | 361.36                  | 22.373            |                    |         |
| 17,600.00                               | 7,070.89            | 7,049.89            | 7,049.89            | 306.94          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,177.79             | 7,816.62              | 361.17                  | 22.642            |                    |         |
| 17,700.00                               | 7,070.90            | 7,049.90            | 7,049.90            | 309.78          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,271.06             | 7,910.07              | 360.99                  | 22.912            |                    |         |
| 17,800.00                               | 7,070.91            | 7,049.91            | 7,049.91            | 312.62          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,364.49             | 8,003.68              | 360.81                  | 23.183            |                    |         |
| 17,900.00                               | 7,070.92            | 7,049.92            | 7,049.92            | 315.46          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,458.06             | 8,097.43              | 360.63                  | 23.453            |                    |         |
| 18,000.00                               | 7,070.92            | 7,049.92            | 7,049.92            | 318.31          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,551.78             | 8,191.32              | 360.46                  | 23.725            |                    |         |
| 18,100.00                               | 7,070.93            | 7,049.93            | 7,049.93            | 321.15          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,645.64             | 8,285.35              | 360.29                  | 23.996            |                    |         |
| 18,200.00                               | 7,070.94            | 7,049.94            | 7,049.94            | 323.99          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,739.64             | 8,379.52              | 360.12                  | 24.268            |                    |         |
| 18,300.00                               | 7,070.95            | 7,049.95            | 7,049.95            | 326.83          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,833.77             | 8,473.81              | 359.96                  | 24.541            |                    |         |
| 18,400.00                               | 7,070.96            | 7,049.96            | 7,049.96            | 329.68          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 8,928.03             | 8,568.23              | 359.80                  | 24.814            |                    |         |
| 18,500.00                               | 7,070.97            | 7,049.97            | 7,049.97            | 332.52          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 9,022.41             | 8,662.76              | 359.64                  | 25.087            |                    |         |
| 18,600.00                               | 7,070.98            | 7,049.98            | 7,049.98            | 335.36          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 9,116.91             | 8,757.42              | 359.49                  | 25.361            |                    |         |
| 18,700.00                               | 7,070.99            | 7,049.99            | 7,049.99            | 338.21          | 244.39      | -90.01                | -2,537.69                         | -1,828.68  | 9,211.52             | 8,852.18              | 359.34                  | 25.635            |                    |         |
| 18,800.00                               | 7,070.99            | 7,049.99            | 7,049.99            | 341.05          | 244.39      | -90.02                | -2,537.69                         | -1,828.68  | 9,306.25             | 8,947.06              | 359.19                  | 25.909            |                    |         |
| 18,858.54                               | 7,071.00            | 7,050.00            | 7,050.00            | 342.72          | 244.39      | -90.02                | -2,537.69                         | -1,828.68  | 9,361.76             | 9,002.65              | 359.11                  | 26.070            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 17.00               | 17.00               | 3.28            | 3.29        | -87.59                | 290.95                            | -6,913.13  | 6,919.25             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 117.00              | 117.00              | 3.28            | 4.03        | -87.59                | 290.95                            | -6,913.13  | 6,919.25             | 6,911.94              | 7.31                    | 946.127           |                    |         |
| 200.00                                  | 200.00              | 217.00              | 217.00              | 3.34            | 6.69        | -87.59                | 290.95                            | -6,913.13  | 6,919.25             | 6,909.22              | 10.03                   | 690.107           |                    |         |
| 300.00                                  | 300.00              | 317.00              | 317.00              | 3.44            | 9.88        | -87.59                | 290.95                            | -6,913.13  | 6,919.25             | 6,905.93              | 13.33                   | 519.223           |                    |         |
| 400.00                                  | 399.98              | 416.98              | 416.98              | 3.60            | 13.22       | -160.08               | 290.95                            | -6,913.13  | 6,920.89             | 6,904.07              | 16.83                   | 411.334           |                    |         |
| 500.00                                  | 499.84              | 516.84              | 516.84              | 3.80            | 16.62       | -160.06               | 290.95                            | -6,913.13  | 6,925.81             | 6,905.39              | 20.43                   | 339.075           |                    |         |
| 600.00                                  | 599.45              | 616.45              | 616.45              | 4.04            | 20.05       | -160.03               | 290.95                            | -6,913.13  | 6,934.01             | 6,909.92              | 24.09                   | 287.872           |                    |         |
| 700.00                                  | 698.70              | 715.70              | 715.70              | 4.32            | 23.47       | -159.99               | 290.95                            | -6,913.13  | 6,945.47             | 6,917.68              | 27.79                   | 249.956           |                    |         |
| 800.00                                  | 797.47              | 814.47              | 814.47              | 4.63            | 26.89       | -159.93               | 290.95                            | -6,913.13  | 6,960.19             | 6,928.68              | 31.51                   | 220.896           |                    |         |
| 900.00                                  | 895.62              | 912.62              | 912.62              | 4.97            | 30.29       | -159.86               | 290.95                            | -6,913.13  | 6,978.14             | 6,942.90              | 35.24                   | 198.008           |                    |         |
| 924.00                                  | 919.08              | 936.08              | 936.08              | 5.06            | 31.11       | -159.84               | 290.95                            | -6,913.13  | 6,982.93             | 6,946.79              | 36.14                   | 193.209           |                    |         |
| 1,000.00                                | 993.28              | 1,010.28            | 1,010.28            | 5.34            | 33.68       | -159.89               | 290.95                            | -6,913.13  | 6,998.40             | 6,959.42              | 38.98                   | 179.535           |                    |         |
| 1,100.00                                | 1,090.92            | 1,107.92            | 1,107.92            | 5.73            | 37.08       | -159.95               | 290.95                            | -6,913.13  | 7,018.75             | 6,976.02              | 42.73                   | 164.246           |                    |         |
| 1,200.00                                | 1,188.56            | 1,205.56            | 1,205.56            | 6.15            | 40.47       | -160.01               | 290.95                            | -6,913.13  | 7,039.11             | 6,992.60              | 46.50                   | 151.368           |                    |         |
| 1,300.00                                | 1,286.19            | 1,303.19            | 1,303.19            | 6.57            | 43.87       | -160.07               | 290.95                            | -6,913.13  | 7,059.47             | 7,009.19              | 50.29                   | 140.382           |                    |         |
| 1,400.00                                | 1,383.83            | 1,400.83            | 1,400.83            | 7.01            | 47.27       | -160.13               | 290.95                            | -6,913.13  | 7,079.85             | 7,025.77              | 54.08                   | 130.905           |                    |         |
| 1,500.00                                | 1,481.47            | 1,501.53            | 1,498.47            | 7.46            | 50.78       | -160.19               | 290.95                            | -6,913.13  | 7,100.23             | 7,042.23              | 58.00                   | 122.424           |                    |         |
| 1,600.00                                | 1,579.10            | 1,603.90            | 1,596.10            | 7.91            | 54.35       | -160.24               | 290.95                            | -6,913.13  | 7,120.62             | 7,058.64              | 61.98                   | 114.894           |                    |         |
| 1,700.00                                | 1,676.74            | 1,706.26            | 1,693.74            | 8.37            | 57.91       | -160.30               | 290.95                            | -6,913.13  | 7,141.02             | 7,075.05              | 65.96                   | 108.260           |                    |         |
| 1,800.00                                | 1,774.38            | 1,808.62            | 1,791.38            | 8.84            | 61.48       | -160.36               | 290.95                            | -6,913.13  | 7,161.42             | 7,091.46              | 69.95                   | 102.374           |                    |         |
| 1,900.00                                | 1,872.02            | 1,889.02            | 1,889.02            | 9.31            | 64.28       | -160.42               | 290.95                            | -6,913.13  | 7,181.83             | 7,108.64              | 73.18                   | 98.133            |                    |         |
| 2,000.00                                | 1,969.65            | 1,986.65            | 1,986.65            | 9.79            | 67.69       | -160.48               | 290.95                            | -6,913.13  | 7,202.25             | 7,125.22              | 77.02                   | 93.510            |                    |         |
| 2,100.00                                | 2,067.29            | 2,084.29            | 2,084.29            | 10.27           | 71.09       | -160.53               | 290.95                            | -6,913.13  | 7,222.67             | 7,141.81              | 80.86                   | 89.322            |                    |         |
| 2,200.00                                | 2,164.93            | 2,181.93            | 2,181.93            | 10.75           | 74.50       | -160.59               | 290.95                            | -6,913.13  | 7,243.10             | 7,158.40              | 84.70                   | 85.510            |                    |         |
| 2,300.00                                | 2,262.56            | 2,279.56            | 2,279.56            | 11.24           | 77.90       | -160.65               | 290.95                            | -6,913.13  | 7,263.54             | 7,174.99              | 88.55                   | 82.027            |                    |         |
| 2,400.00                                | 2,360.20            | 2,377.20            | 2,377.20            | 11.73           | 81.31       | -160.70               | 290.95                            | -6,913.13  | 7,283.98             | 7,191.58              | 92.40                   | 78.831            |                    |         |
| 2,500.00                                | 2,457.84            | 2,474.84            | 2,474.84            | 12.22           | 84.71       | -160.76               | 290.95                            | -6,913.13  | 7,304.43             | 7,208.18              | 96.25                   | 75.890            |                    |         |
| 2,600.00                                | 2,555.48            | 2,572.48            | 2,572.48            | 12.71           | 88.12       | -160.81               | 290.95                            | -6,913.13  | 7,324.89             | 7,224.79              | 100.10                  | 73.173            |                    |         |
| 2,700.00                                | 2,653.11            | 2,670.11            | 2,670.11            | 13.20           | 91.53       | -160.87               | 290.95                            | -6,913.13  | 7,345.36             | 7,241.40              | 103.96                  | 70.657            |                    |         |
| 2,800.00                                | 2,750.75            | 2,767.75            | 2,767.75            | 13.70           | 94.93       | -160.92               | 290.95                            | -6,913.13  | 7,365.83             | 7,258.01              | 107.81                  | 68.320            |                    |         |
| 2,900.00                                | 2,848.39            | 2,865.39            | 2,865.39            | 14.19           | 98.34       | -160.98               | 290.95                            | -6,913.13  | 7,386.31             | 7,274.63              | 111.67                  | 66.143            |                    |         |
| 3,000.00                                | 2,946.02            | 2,963.02            | 2,963.02            | 14.69           | 101.75      | -161.03               | 290.95                            | -6,913.13  | 7,406.79             | 7,291.26              | 115.53                  | 64.111            |                    |         |
| 3,100.00                                | 3,043.66            | 3,060.66            | 3,060.66            | 15.19           | 105.15      | -161.09               | 290.95                            | -6,913.13  | 7,427.28             | 7,307.89              | 119.39                  | 62.210            |                    |         |
| 3,200.00                                | 3,141.30            | 3,158.30            | 3,158.30            | 15.69           | 108.56      | -161.14               | 290.95                            | -6,913.13  | 7,447.78             | 7,324.53              | 123.25                  | 60.428            |                    |         |
| 3,300.00                                | 3,238.94            | 3,255.94            | 3,255.94            | 16.19           | 111.97      | -161.19               | 290.95                            | -6,913.13  | 7,468.28             | 7,341.17              | 127.11                  | 58.753            |                    |         |
| 3,400.00                                | 3,336.57            | 3,353.57            | 3,353.57            | 16.69           | 115.37      | -161.25               | 290.95                            | -6,913.13  | 7,488.79             | 7,357.81              | 130.98                  | 57.177            |                    |         |
| 3,500.00                                | 3,434.21            | 3,451.21            | 3,451.21            | 17.19           | 118.78      | -161.30               | 290.95                            | -6,913.13  | 7,509.30             | 7,374.47              | 134.84                  | 55.691            |                    |         |
| 3,600.00                                | 3,531.85            | 3,548.85            | 3,548.85            | 17.69           | 122.19      | -161.35               | 290.95                            | -6,913.13  | 7,529.83             | 7,391.12              | 138.70                  | 54.287            |                    |         |
| 3,700.00                                | 3,629.48            | 3,646.48            | 3,646.48            | 18.20           | 125.60      | -161.41               | 290.95                            | -6,913.13  | 7,550.35             | 7,407.79              | 142.57                  | 52.960            |                    |         |
| 3,800.00                                | 3,727.12            | 3,744.12            | 3,744.12            | 18.70           | 129.00      | -161.46               | 290.95                            | -6,913.13  | 7,570.89             | 7,424.45              | 146.43                  | 51.702            |                    |         |
| 3,900.00                                | 3,824.76            | 3,841.76            | 3,841.76            | 19.21           | 132.41      | -161.51               | 290.95                            | -6,913.13  | 7,591.43             | 7,441.13              | 150.30                  | 50.509            |                    |         |
| 4,000.00                                | 3,922.40            | 3,939.40            | 3,939.40            | 19.71           | 135.82      | -161.56               | 290.95                            | -6,913.13  | 7,611.97             | 7,457.81              | 154.17                  | 49.375            |                    |         |
| 4,100.00                                | 4,020.03            | 4,037.03            | 4,037.03            | 20.21           | 139.23      | -161.61               | 290.95                            | -6,913.13  | 7,632.52             | 7,474.49              | 158.03                  | 48.297            |                    |         |
| 4,200.00                                | 4,117.67            | 4,134.67            | 4,134.67            | 20.72           | 142.63      | -161.66               | 290.95                            | -6,913.13  | 7,653.08             | 7,491.18              | 161.90                  | 47.270            |                    |         |
| 4,300.00                                | 4,215.31            | 4,232.31            | 4,232.31            | 21.23           | 146.04      | -161.71               | 290.95                            | -6,913.13  | 7,673.64             | 7,507.88              | 165.77                  | 46.292            |                    |         |
| 4,400.00                                | 4,312.94            | 4,329.94            | 4,329.94            | 21.73           | 149.45      | -161.76               | 290.95                            | -6,913.13  | 7,694.21             | 7,524.58              | 169.64                  | 45.357            |                    |         |
| 4,500.00                                | 4,410.58            | 4,427.58            | 4,427.58            | 22.24           | 152.86      | -161.81               | 290.95                            | -6,913.13  | 7,714.79             | 7,541.28              | 173.50                  | 44.465            |                    |         |
| 4,600.00                                | 4,508.22            | 4,525.22            | 4,525.22            | 22.75           | 156.26      | -161.86               | 290.95                            | -6,913.13  | 7,735.37             | 7,557.99              | 177.37                  | 43.611            |                    |         |
| 4,700.00                                | 4,605.86            | 4,622.86            | 4,622.86            | 23.25           | 159.67      | -161.91               | 290.95                            | -6,913.13  | 7,755.95             | 7,574.71              | 181.24                  | 42.793            |                    |         |
| 4,800.00                                | 4,703.49            | 4,720.49            | 4,720.49            | 23.76           | 163.08      | -161.96               | 290.95                            | -6,913.13  | 7,776.54             | 7,591.43              | 185.11                  | 42.010            |                    |         |
| 4,900.00                                | 4,801.13            | 4,818.13            | 4,818.13            | 24.27           | 166.49      | -162.01               | 290.95                            | -6,913.13  | 7,797.14             | 7,608.16              | 188.98                  | 41.259            |                    |         |
| 5,000.00                                | 4,898.77            | 4,915.77            | 4,915.77            | 24.77           | 169.90      | -162.06               | 290.95                            | -6,913.13  | 7,817.74             | 7,624.89              | 192.85                  | 40.538            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,013.40            | 5,013.40            | 25.28           | 173.30      | -162.11               | 290.95                            | -6,913.13  | 7,838.35             | 7,641.63              | 196.72                  | 39.845            |                    |         |
| 5,200.00                                | 5,094.04            | 5,111.04            | 5,111.04            | 25.79           | 176.71      | -162.16               | 290.95                            | -6,913.13  | 7,858.96             | 7,658.37              | 200.59                  | 39.179            |                    |         |
| 5,300.00                                | 5,191.68            | 5,208.68            | 5,208.68            | 26.30           | 180.12      | -162.21               | 290.95                            | -6,913.13  | 7,879.58             | 7,675.12              | 204.46                  | 38.538            |                    |         |
| 5,400.00                                | 5,289.32            | 5,306.32            | 5,306.32            | 26.81           | 183.53      | -162.25               | 290.95                            | -6,913.13  | 7,900.21             | 7,691.87              | 208.33                  | 37.921            |                    |         |
| 5,500.00                                | 5,386.95            | 5,403.95            | 5,403.95            | 27.32           | 186.94      | -162.30               | 290.95                            | -6,913.13  | 7,920.83             | 7,708.63              | 212.20                  | 37.327            |                    |         |
| 5,600.00                                | 5,484.59            | 5,501.59            | 5,501.59            | 27.83           | 190.34      | -162.35               | 290.95                            | -6,913.13  | 7,941.47             | 7,725.39              | 216.08                  | 36.753            |                    |         |
| 5,700.00                                | 5,582.23            | 5,600.77            | 5,599.23            | 28.33           | 193.81      | -162.40               | 290.95                            | -6,913.13  | 7,962.11             | 7,742.11              | 220.00                  | 36.191            |                    |         |
| 5,800.00                                | 5,679.87            | 5,703.14            | 5,696.87            | 28.84           | 197.38      | -162.44               | 290.95                            | -6,913.13  | 7,982.75             | 7,758.72              | 224.04                  | 35.631            |                    |         |
| 5,900.00                                | 5,777.50            | 5,805.50            | 5,794.50            | 29.35           | 200.95      | -162.49               | 290.95                            | -6,913.13  | 8,003.40             | 7,775.33              | 228.07                  | 35.091            |                    |         |
| 6,000.00                                | 5,875.14            | 5,907.86            | 5,892.14            | 29.86           | 204.52      | -162.53               | 290.95                            | -6,913.13  | 8,024.06             | 7,791.95              | 232.11                  | 34.570            |                    |         |
| 6,100.00                                | 5,972.78            | 5,989.78            | 5,989.78            | 30.37           | 207.38      | -162.58               | 290.95                            | -6,913.13  | 8,044.72             | 7,809.28              | 235.43                  | 34.170            |                    |         |
| 6,200.00                                | 6,070.41            | 6,087.41            | 6,087.41            | 30.88           | 210.79      | -162.63               | 290.95                            | -6,913.13  | 8,065.38             | 7,826.08              | 239.31                  | 33.703            |                    |         |
| 6,300.00                                | 6,168.05            | 6,185.05            | 6,185.05            | 31.39           | 214.20      | -162.67               | 290.95                            | -6,913.13  | 8,086.05             | 7,842.87              | 243.18                  | 33.252            |                    |         |
| 6,400.00                                | 6,265.69            | 6,282.69            | 6,282.69            | 31.90           | 217.61      | -162.72               | 290.95                            | -6,913.13  | 8,106.73             | 7,859.67              | 247.05                  | 32.814            |                    |         |
| 6,439.09                                | 6,303.85            | 6,320.85            | 6,320.85            | 32.10           | 218.94      | -162.74               | 290.95                            | -6,913.13  | 8,114.81             | 7,866.24              | 248.56                  | 32.647            |                    |         |
| 6,450.00                                | 6,314.53            | 6,331.53            | 6,331.53            | 32.16           | 219.31      | -161.26               | 290.95                            | -6,913.13  | 8,116.97             | 7,867.99              | 248.99                  | 32.600            |                    |         |
| 6,500.00                                | 6,363.83            | 6,380.83            | 6,380.83            | 32.39           | 221.03      | -149.87               | 290.95                            | -6,913.13  | 8,124.54             | 7,873.61              | 250.93                  | 32.378            |                    |         |
| 6,550.00                                | 6,413.58            | 6,430.58            | 6,430.58            | 32.60           | 222.77      | -117.31               | 290.95                            | -6,913.13  | 8,128.20             | 7,875.32              | 252.88                  | 32.143            |                    |         |
| 6,600.00                                | 6,463.45            | 6,480.45            | 6,480.45            | 32.79           | 224.51      | -56.50                | 290.95                            | -6,913.13  | 8,127.95             | 7,873.13              | 254.81                  | 31.898            |                    |         |
| 6,650.00                                | 6,513.15            | 6,530.15            | 6,530.15            | 32.97           | 226.25      | -29.02                | 290.95                            | -6,913.13  | 8,123.77             | 7,867.05              | 256.72                  | 31.645            |                    |         |
| 6,700.00                                | 6,562.37            | 6,579.37            | 6,579.37            | 33.15           | 227.96      | -19.05                | 290.95                            | -6,913.13  | 8,115.70             | 7,857.11              | 258.59                  | 31.385            |                    |         |
| 6,750.00                                | 6,610.80            | 6,627.80            | 6,627.80            | 33.34           | 229.65      | -14.27                | 290.95                            | -6,913.13  | 8,103.79             | 7,843.37              | 260.41                  | 31.119            |                    |         |
| 6,800.00                                | 6,658.14            | 6,675.14            | 6,675.14            | 33.53           | 231.31      | -11.53                | 290.95                            | -6,913.13  | 8,088.10             | 7,825.92              | 262.18                  | 30.849            |                    |         |
| 6,850.00                                | 6,704.11            | 6,721.11            | 6,721.11            | 33.74           | 232.91      | -9.78                 | 290.95                            | -6,913.13  | 8,068.75             | 7,804.86              | 263.89                  | 30.576            |                    |         |
| 6,900.00                                | 6,748.42            | 6,765.42            | 6,765.42            | 33.97           | 234.46      | -8.60                 | 290.95                            | -6,913.13  | 8,045.84             | 7,780.32              | 265.52                  | 30.303            |                    |         |
| 6,950.00                                | 6,790.79            | 6,807.79            | 6,807.79            | 34.21           | 235.94      | -7.77                 | 290.95                            | -6,913.13  | 8,019.51             | 7,752.45              | 267.06                  | 30.029            |                    |         |
| 7,000.00                                | 6,830.97            | 6,847.97            | 6,847.97            | 34.48           | 237.34      | -7.18                 | 290.95                            | -6,913.13  | 7,989.93             | 7,721.42              | 268.51                  | 29.756            |                    |         |
| 7,050.00                                | 6,868.71            | 6,885.71            | 6,885.71            | 34.77           | 238.66      | -6.76                 | 290.95                            | -6,913.13  | 7,957.29             | 7,687.42              | 269.87                  | 29.486            |                    |         |
| 7,100.00                                | 6,903.77            | 6,920.77            | 6,920.77            | 35.09           | 239.88      | -6.48                 | 290.95                            | -6,913.13  | 7,921.78             | 7,650.66              | 271.11                  | 29.220            |                    |         |
| 7,150.00                                | 6,935.93            | 6,952.93            | 6,952.93            | 35.44           | 241.00      | -6.31                 | 290.95                            | -6,913.13  | 7,883.61             | 7,611.37              | 272.25                  | 28.958            |                    |         |
| 7,200.00                                | 6,965.01            | 6,982.01            | 6,982.01            | 35.83           | 242.02      | -6.26                 | 290.95                            | -6,913.13  | 7,843.04             | 7,569.78              | 273.26                  | 28.702            |                    |         |
| 7,250.00                                | 6,990.82            | 7,007.82            | 7,007.82            | 36.26           | 242.92      | -6.32                 | 290.95                            | -6,913.13  | 7,800.30             | 7,526.14              | 274.16                  | 28.452            |                    |         |
| 7,300.00                                | 7,013.20            | 7,030.20            | 7,030.20            | 36.72           | 243.70      | -6.53                 | 290.95                            | -6,913.13  | 7,755.66             | 7,480.73              | 274.93                  | 28.210            |                    |         |
| 7,350.00                                | 7,032.02            | 7,049.02            | 7,049.02            | 37.23           | 244.36      | -6.94                 | 290.95                            | -6,913.13  | 7,709.39             | 7,433.83              | 275.57                  | 27.977            |                    |         |
| 7,400.00                                | 7,047.15            | 7,064.15            | 7,064.15            | 37.77           | 244.89      | -7.70                 | 290.95                            | -6,913.13  | 7,661.79             | 7,385.71              | 276.08                  | 27.752            |                    |         |
| 7,450.00                                | 7,058.51            | 7,075.51            | 7,075.51            | 38.34           | 245.28      | -9.19                 | 290.95                            | -6,913.13  | 7,613.13             | 7,336.68              | 276.46                  | 27.538            |                    |         |
| 7,500.00                                | 7,066.02            | 7,083.02            | 7,083.02            | 38.95           | 245.55      | -12.84                | 290.95                            | -6,913.13  | 7,563.73             | 7,287.03              | 276.71                  | 27.335            |                    |         |
| 7,550.00                                | 7,069.64            | 7,086.64            | 7,086.64            | 39.58           | 245.67      | -31.37                | 290.95                            | -6,913.13  | 7,513.89             | 7,237.06              | 276.83                  | 27.143            |                    |         |
| 7,571.20                                | 7,070.00            | 7,087.00            | 7,087.00            | 39.85           | 245.68      | -89.72                | 290.95                            | -6,913.13  | 7,492.70             | 7,215.86              | 276.84                  | 27.065            |                    |         |
| 7,600.00                                | 7,070.00            | 7,087.00            | 7,087.00            | 40.23           | 245.68      | -89.72                | 290.95                            | -6,913.13  | 7,463.90             | 7,187.06              | 276.84                  | 26.961            |                    |         |
| 7,700.00                                | 7,070.01            | 7,087.01            | 7,087.01            | 41.64           | 245.68      | -89.72                | 290.95                            | -6,913.13  | 7,363.92             | 7,087.08              | 276.84                  | 26.600            |                    |         |
| 7,800.00                                | 7,070.02            | 7,087.02            | 7,087.02            | 43.20           | 245.68      | -89.73                | 290.95                            | -6,913.13  | 7,263.94             | 6,987.10              | 276.84                  | 26.239            |                    |         |
| 7,900.00                                | 7,070.03            | 7,087.03            | 7,087.03            | 44.89           | 245.69      | -89.73                | 290.95                            | -6,913.13  | 7,163.96             | 6,887.11              | 276.84                  | 25.878            |                    |         |
| 8,000.00                                | 7,070.04            | 7,087.04            | 7,087.04            | 46.69           | 245.69      | -89.74                | 290.95                            | -6,913.13  | 7,063.97             | 6,787.13              | 276.84                  | 25.516            |                    |         |
| 8,100.00                                | 7,070.05            | 7,087.05            | 7,087.05            | 48.60           | 245.69      | -89.74                | 290.95                            | -6,913.13  | 6,963.99             | 6,687.14              | 276.85                  | 25.155            |                    |         |
| 8,200.00                                | 7,070.05            | 7,087.05            | 7,087.05            | 50.59           | 245.69      | -89.74                | 290.95                            | -6,913.13  | 6,864.01             | 6,587.16              | 276.85                  | 24.793            |                    |         |
| 8,300.00                                | 7,070.06            | 7,087.06            | 7,087.06            | 52.66           | 245.69      | -89.75                | 290.95                            | -6,913.13  | 6,764.03             | 6,487.17              | 276.86                  | 24.431            |                    |         |
| 8,400.00                                | 7,070.07            | 7,087.07            | 7,087.07            | 54.81           | 245.69      | -89.75                | 290.95                            | -6,913.13  | 6,664.05             | 6,387.18              | 276.87                  | 24.069            |                    |         |
| 8,500.00                                | 7,070.08            | 7,087.08            | 7,087.08            | 57.02           | 245.69      | -89.75                | 290.95                            | -6,913.13  | 6,564.07             | 6,287.19              | 276.88                  | 23.707            |                    |         |
| 8,600.00                                | 7,070.09            | 7,087.09            | 7,087.09            | 59.28           | 245.69      | -89.76                | 290.95                            | -6,913.13  | 6,464.10             | 6,187.20              | 276.89                  | 23.345            |                    |         |
| 8,700.00                                | 7,070.10            | 7,087.10            | 7,087.10            | 61.60           | 245.69      | -89.76                | 290.95                            | -6,913.13  | 6,364.12             | 6,087.21              | 276.90                  | 22.983            |                    |         |
| 8,800.00                                | 7,070.11            | 7,087.11            | 7,087.11            | 63.95           | 245.69      | -89.77                | 290.95                            | -6,913.13  | 6,264.14             | 5,987.22              | 276.92                  | 22.621            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,087.12            | 7,087.12            | 66.35           | 245.69      | -89.77                | 290.95                            | -6,913.13  | 6,164.16             | 5,887.23              | 276.93                  | 22.259            |                    |         |
| 9,000.00                                | 7,070.13            | 7,087.13            | 7,087.13            | 68.79           | 245.69      | -89.77                | 290.95                            | -6,913.13  | 6,064.19             | 5,787.24              | 276.95                  | 21.896            |                    |         |
| 9,100.00                                | 7,070.13            | 7,087.13            | 7,087.13            | 71.25           | 245.69      | -89.78                | 290.95                            | -6,913.13  | 5,964.21             | 5,687.25              | 276.97                  | 21.534            |                    |         |
| 9,200.00                                | 7,070.14            | 7,087.14            | 7,087.14            | 73.74           | 245.69      | -89.78                | 290.95                            | -6,913.13  | 5,864.24             | 5,587.25              | 276.99                  | 21.171            |                    |         |
| 9,300.00                                | 7,070.15            | 7,087.15            | 7,087.15            | 76.26           | 245.69      | -89.78                | 290.95                            | -6,913.13  | 5,764.27             | 5,487.26              | 277.01                  | 20.809            |                    |         |
| 9,400.00                                | 7,070.16            | 7,087.16            | 7,087.16            | 78.80           | 245.69      | -89.79                | 290.95                            | -6,913.13  | 5,664.30             | 5,387.26              | 277.03                  | 20.446            |                    |         |
| 9,500.00                                | 7,070.17            | 7,087.17            | 7,087.17            | 81.37           | 245.69      | -89.79                | 290.95                            | -6,913.13  | 5,564.33             | 5,287.27              | 277.06                  | 20.084            |                    |         |
| 9,600.00                                | 7,070.18            | 7,087.18            | 7,087.18            | 83.95           | 245.69      | -89.80                | 290.95                            | -6,913.13  | 5,464.36             | 5,187.27              | 277.08                  | 19.721            |                    |         |
| 9,700.00                                | 7,070.19            | 7,087.19            | 7,087.19            | 86.55           | 245.69      | -89.80                | 290.95                            | -6,913.13  | 5,364.39             | 5,087.28              | 277.11                  | 19.358            |                    |         |
| 9,800.00                                | 7,070.20            | 7,087.20            | 7,087.20            | 89.17           | 245.69      | -89.80                | 290.95                            | -6,913.13  | 5,264.42             | 4,987.28              | 277.14                  | 18.996            |                    |         |
| 9,900.00                                | 7,070.21            | 7,087.21            | 7,087.21            | 91.80           | 245.69      | -89.81                | 290.95                            | -6,913.13  | 5,164.46             | 4,887.28              | 277.17                  | 18.633            |                    |         |
| 10,000.00                               | 7,070.21            | 7,087.21            | 7,087.21            | 94.44           | 245.69      | -89.81                | 290.95                            | -6,913.13  | 5,064.49             | 4,787.29              | 277.20                  | 18.270            |                    |         |
| 10,100.00                               | 7,070.22            | 7,087.22            | 7,087.22            | 97.10           | 245.69      | -89.81                | 290.95                            | -6,913.13  | 4,964.53             | 4,687.29              | 277.24                  | 17.907            |                    |         |
| 10,200.00                               | 7,070.23            | 7,087.23            | 7,087.23            | 99.77           | 245.69      | -89.82                | 290.95                            | -6,913.13  | 4,864.57             | 4,587.29              | 277.28                  | 17.544            |                    |         |
| 10,300.00                               | 7,070.24            | 7,087.24            | 7,087.24            | 102.44          | 245.69      | -89.82                | 290.95                            | -6,913.13  | 4,764.61             | 4,487.29              | 277.31                  | 17.181            |                    |         |
| 10,400.00                               | 7,070.25            | 7,087.25            | 7,087.25            | 105.13          | 245.69      | -89.83                | 290.95                            | -6,913.13  | 4,664.65             | 4,387.29              | 277.36                  | 16.818            |                    |         |
| 10,500.00                               | 7,070.26            | 7,087.26            | 7,087.26            | 107.83          | 245.69      | -89.83                | 290.95                            | -6,913.13  | 4,564.69             | 4,287.29              | 277.40                  | 16.455            |                    |         |
| 10,600.00                               | 7,070.27            | 7,087.27            | 7,087.27            | 110.53          | 245.69      | -89.83                | 290.95                            | -6,913.13  | 4,464.74             | 4,187.29              | 277.44                  | 16.092            |                    |         |
| 10,700.00                               | 7,070.28            | 7,087.28            | 7,087.28            | 113.24          | 245.69      | -89.84                | 290.95                            | -6,913.13  | 4,364.78             | 4,087.29              | 277.49                  | 15.729            |                    |         |
| 10,800.00                               | 7,070.28            | 7,087.28            | 7,087.28            | 115.96          | 245.69      | -89.84                | 290.95                            | -6,913.13  | 4,264.83             | 3,987.29              | 277.54                  | 15.366            |                    |         |
| 10,900.00                               | 7,070.29            | 7,087.29            | 7,087.29            | 118.69          | 245.69      | -89.84                | 290.95                            | -6,913.13  | 4,164.89             | 3,887.29              | 277.60                  | 15.003            |                    |         |
| 11,000.00                               | 7,070.30            | 7,087.30            | 7,087.30            | 121.42          | 245.69      | -89.85                | 290.95                            | -6,913.13  | 4,064.94             | 3,787.29              | 277.65                  | 14.640            |                    |         |
| 11,100.00                               | 7,070.31            | 7,087.31            | 7,087.31            | 124.16          | 245.69      | -89.85                | 290.95                            | -6,913.13  | 3,965.00             | 3,687.28              | 277.71                  | 14.277            |                    |         |
| 11,200.00                               | 7,070.32            | 7,087.32            | 7,087.32            | 126.90          | 245.70      | -89.86                | 290.95                            | -6,913.13  | 3,865.06             | 3,587.28              | 277.78                  | 13.914            |                    |         |
| 11,300.00                               | 7,070.33            | 7,087.33            | 7,087.33            | 129.65          | 245.70      | -89.86                | 290.95                            | -6,913.13  | 3,765.12             | 3,487.28              | 277.84                  | 13.551            |                    |         |
| 11,400.00                               | 7,070.34            | 7,087.34            | 7,087.34            | 132.40          | 245.70      | -89.86                | 290.95                            | -6,913.13  | 3,665.19             | 3,387.27              | 277.91                  | 13.188            |                    |         |
| 11,500.00                               | 7,070.35            | 7,087.35            | 7,087.35            | 135.16          | 245.70      | -89.87                | 290.95                            | -6,913.13  | 3,565.26             | 3,287.27              | 277.99                  | 12.825            |                    |         |
| 11,600.00                               | 7,070.36            | 7,087.36            | 7,087.36            | 137.92          | 245.70      | -89.87                | 290.95                            | -6,913.13  | 3,465.33             | 3,187.26              | 278.07                  | 12.462            |                    |         |
| 11,700.00                               | 7,070.36            | 7,087.36            | 7,087.36            | 140.69          | 245.70      | -89.87                | 290.95                            | -6,913.13  | 3,365.41             | 3,087.26              | 278.15                  | 12.099            |                    |         |
| 11,800.00                               | 7,070.37            | 7,087.37            | 7,087.37            | 143.46          | 245.70      | -89.88                | 290.95                            | -6,913.13  | 3,265.50             | 2,987.25              | 278.25                  | 11.736            |                    |         |
| 11,900.00                               | 7,070.38            | 7,087.38            | 7,087.38            | 146.23          | 245.70      | -89.88                | 290.95                            | -6,913.13  | 3,165.59             | 2,887.24              | 278.34                  | 11.373            |                    |         |
| 12,000.00                               | 7,070.39            | 7,087.39            | 7,087.39            | 149.01          | 245.70      | -89.89                | 290.95                            | -6,913.13  | 3,065.68             | 2,787.23              | 278.45                  | 11.010            |                    |         |
| 12,100.00                               | 7,070.40            | 7,087.40            | 7,087.40            | 151.79          | 245.70      | -89.89                | 290.95                            | -6,913.13  | 2,965.78             | 2,687.22              | 278.56                  | 10.647            |                    |         |
| 12,200.00                               | 7,070.41            | 7,087.41            | 7,087.41            | 154.57          | 245.70      | -89.89                | 290.95                            | -6,913.13  | 2,865.89             | 2,587.21              | 278.68                  | 10.284            |                    |         |
| 12,300.00                               | 7,070.42            | 7,087.42            | 7,087.42            | 157.35          | 245.70      | -89.90                | 290.95                            | -6,913.13  | 2,766.01             | 2,487.19              | 278.82                  | 9.921             |                    |         |
| 12,400.00                               | 7,070.43            | 7,087.43            | 7,087.43            | 160.14          | 245.70      | -89.90                | 290.95                            | -6,913.13  | 2,666.13             | 2,387.17              | 278.96                  | 9.557             |                    |         |
| 12,500.00                               | 7,070.44            | 7,087.44            | 7,087.44            | 162.93          | 245.70      | -89.90                | 290.95                            | -6,913.13  | 2,566.27             | 2,287.15              | 279.12                  | 9.194             |                    |         |
| 12,600.00                               | 7,070.44            | 7,087.44            | 7,087.44            | 165.72          | 245.70      | -89.91                | 290.95                            | -6,913.13  | 2,466.42             | 2,187.12              | 279.30                  | 8.831             |                    |         |
| 12,700.00                               | 7,070.45            | 7,087.45            | 7,087.45            | 168.52          | 245.70      | -89.91                | 290.95                            | -6,913.13  | 2,366.57             | 2,087.09              | 279.49                  | 8.468             |                    |         |
| 12,800.00                               | 7,070.46            | 7,087.46            | 7,087.46            | 171.32          | 245.70      | -89.92                | 290.95                            | -6,913.13  | 2,266.75             | 1,987.04              | 279.70                  | 8.104             |                    |         |
| 12,900.00                               | 7,070.47            | 7,087.47            | 7,087.47            | 174.11          | 245.70      | -89.92                | 290.95                            | -6,913.13  | 2,166.94             | 1,886.99              | 279.95                  | 7.741             |                    |         |
| 13,000.00                               | 7,070.48            | 7,087.48            | 7,087.48            | 176.92          | 245.70      | -89.92                | 290.95                            | -6,913.13  | 2,067.14             | 1,786.92              | 280.22                  | 7.377             |                    |         |
| 13,100.00                               | 7,070.49            | 7,087.49            | 7,087.49            | 179.72          | 245.70      | -89.93                | 290.95                            | -6,913.13  | 1,967.37             | 1,686.84              | 280.53                  | 7.013             |                    |         |
| 13,200.00                               | 7,070.50            | 7,087.50            | 7,087.50            | 182.52          | 245.70      | -89.93                | 290.95                            | -6,913.13  | 1,867.62             | 1,586.74              | 280.88                  | 6.649             |                    |         |
| 13,300.00                               | 7,070.51            | 7,087.51            | 7,087.51            | 185.33          | 245.70      | -89.93                | 290.95                            | -6,913.13  | 1,767.90             | 1,486.61              | 281.29                  | 6.285             |                    |         |
| 13,400.00                               | 7,070.52            | 7,087.52            | 7,087.52            | 188.14          | 245.70      | -89.94                | 290.95                            | -6,913.13  | 1,668.22             | 1,386.44              | 281.77                  | 5.920             |                    |         |
| 13,500.00                               | 7,070.52            | 7,087.52            | 7,087.52            | 190.95          | 245.70      | -89.94                | 290.95                            | -6,913.13  | 1,568.57             | 1,286.24              | 282.33                  | 5.556             |                    |         |
| 13,600.00                               | 7,070.53            | 7,087.53            | 7,087.53            | 193.76          | 245.70      | -89.95                | 290.95                            | -6,913.13  | 1,468.97             | 1,185.97              | 283.00                  | 5.191             |                    |         |
| 13,700.00                               | 7,070.54            | 7,087.54            | 7,087.54            | 196.57          | 245.70      | -89.95                | 290.95                            | -6,913.13  | 1,369.43             | 1,085.63              | 283.81                  | 4.825             |                    |         |
| 13,800.00                               | 7,070.55            | 7,087.55            | 7,087.55            | 199.38          | 245.70      | -89.95                | 290.95                            | -6,913.13  | 1,269.97             | 985.18                | 284.79                  | 4.459             |                    |         |
| 13,900.00                               | 7,070.56            | 7,087.56            | 7,087.56            | 202.20          | 245.70      | -89.96                | 290.95                            | -6,913.13  | 1,170.59             | 884.59                | 286.00                  | 4.093             |                    |         |
| 14,000.00                               | 7,070.57            | 7,087.57            | 7,087.57            | 205.01          | 245.70      | -89.96                | 290.95                            | -6,913.13  | 1,071.33             | 783.81                | 287.52                  | 3.726             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error:  | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error:  | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                     | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                     |         |
| 14,100.00                               | 7,070.58            | 7,087.58            | 7,087.58            | 207.83          | 245.70      | -89.96                | 290.95                            | -6,913.13  | 972.22               | 682.77                | 289.45                  | 3.359             |                     |         |
| 14,200.00                               | 7,070.59            | 7,087.59            | 7,087.59            | 210.65          | 245.70      | -89.97                | 290.95                            | -6,913.13  | 873.32               | 581.35                | 291.97                  | 2.991             |                     |         |
| 14,300.00                               | 7,070.60            | 7,087.60            | 7,087.60            | 213.47          | 245.70      | -89.97                | 290.95                            | -6,913.13  | 774.69               | 479.37                | 295.32                  | 2.623             |                     |         |
| 14,400.00                               | 7,070.60            | 7,087.60            | 7,087.60            | 216.29          | 245.71      | -89.98                | 290.95                            | -6,913.13  | 676.47               | 376.58                | 299.89                  | 2.256             |                     |         |
| 14,500.00                               | 7,070.61            | 7,087.61            | 7,087.61            | 219.11          | 245.71      | -89.98                | 290.95                            | -6,913.13  | 578.86               | 272.53                | 306.34                  | 1.890             |                     |         |
| 14,600.00                               | 7,070.62            | 7,087.62            | 7,087.62            | 221.94          | 245.71      | -89.98                | 290.95                            | -6,913.13  | 482.24               | 166.45                | 315.78                  | 1.527             |                     |         |
| 14,700.00                               | 7,070.63            | 7,087.63            | 7,087.63            | 224.76          | 245.71      | -89.99                | 290.95                            | -6,913.13  | 387.32               | 56.98                 | 330.34                  | 1.173             | Level 2             |         |
| 14,800.00                               | 7,070.64            | 7,087.64            | 7,087.64            | 227.58          | 245.71      | -89.99                | 290.95                            | -6,913.13  | 295.78               | -58.41                | 354.19                  | 0.835             | Level 1             |         |
| 14,900.00                               | 7,070.65            | 7,087.65            | 7,087.65            | 230.41          | 245.71      | -89.99                | 290.95                            | -6,913.13  | 212.02               | -183.40               | 395.42                  | 0.536             | Level 1             |         |
| 15,000.00                               | 7,070.66            | 7,087.66            | 7,087.66            | 233.24          | 245.71      | -90.00                | 290.95                            | -6,913.13  | 149.73               | -308.08               | 457.81                  | 0.327             | Level 1             |         |
| 15,062.66                               | 7,070.66            | 7,087.66            | 7,087.66            | 235.01          | 245.71      | -90.00                | 290.95                            | -6,913.13  | 135.99               | -344.73               | 480.71                  | 0.283             | Level 1, CC, ES, SF |         |
| 15,100.00                               | 7,070.67            | 7,087.67            | 7,087.67            | 236.06          | 245.71      | -90.00                | 290.95                            | -6,913.13  | 141.02               | -332.63               | 473.65                  | 0.298             | Level 1             |         |
| 15,200.00                               | 7,070.68            | 7,087.68            | 7,087.68            | 238.89          | 245.71      | -90.01                | 290.95                            | -6,913.13  | 193.27               | -222.61               | 415.88                  | 0.465             | Level 1             |         |
| 15,300.00                               | 7,070.68            | 7,087.68            | 7,087.68            | 241.72          | 245.71      | -90.01                | 290.95                            | -6,913.13  | 273.53               | -96.38                | 369.92                  | 0.739             | Level 1             |         |
| 15,400.00                               | 7,070.69            | 7,087.69            | 7,087.69            | 244.55          | 245.71      | -90.01                | 290.95                            | -6,913.13  | 363.71               | 20.75                 | 342.97                  | 1.060             | Level 2             |         |
| 15,500.00                               | 7,070.70            | 7,087.70            | 7,087.70            | 247.38          | 245.71      | -90.02                | 290.95                            | -6,913.13  | 457.99               | 131.37                | 326.62                  | 1.402             | Level 3             |         |
| 15,600.00                               | 7,070.71            | 7,087.71            | 7,087.71            | 250.21          | 245.71      | -90.02                | 290.95                            | -6,913.13  | 554.28               | 238.22                | 316.05                  | 1.754             |                     |         |
| 15,700.00                               | 7,070.72            | 7,087.72            | 7,087.72            | 253.04          | 245.71      | -90.02                | 290.95                            | -6,913.13  | 651.68               | 342.84                | 308.84                  | 2.110             |                     |         |
| 15,800.00                               | 7,070.73            | 7,087.73            | 7,087.73            | 255.87          | 245.71      | -90.03                | 290.95                            | -6,913.13  | 749.77               | 446.06                | 303.71                  | 2.469             |                     |         |
| 15,900.00                               | 7,070.74            | 7,087.74            | 7,087.74            | 258.71          | 245.71      | -90.03                | 290.95                            | -6,913.13  | 848.31               | 548.37                | 299.94                  | 2.828             |                     |         |
| 16,000.00                               | 7,070.75            | 7,087.75            | 7,087.75            | 261.54          | 245.71      | -90.04                | 290.95                            | -6,913.13  | 947.15               | 650.07                | 297.08                  | 3.188             |                     |         |
| 16,100.00                               | 7,070.76            | 7,087.76            | 7,087.76            | 264.37          | 245.71      | -90.04                | 290.95                            | -6,913.13  | 1,046.21             | 751.33                | 294.88                  | 3.548             |                     |         |
| 16,200.00                               | 7,070.76            | 7,087.76            | 7,087.76            | 267.21          | 245.71      | -90.04                | 290.95                            | -6,913.13  | 1,145.44             | 852.29                | 293.14                  | 3.907             |                     |         |
| 16,300.00                               | 7,070.77            | 7,087.77            | 7,087.77            | 270.04          | 245.71      | -90.05                | 290.95                            | -6,913.13  | 1,244.79             | 953.03                | 291.76                  | 4.266             |                     |         |
| 16,400.00                               | 7,070.78            | 7,087.78            | 7,087.78            | 272.88          | 245.71      | -90.05                | 290.95                            | -6,913.13  | 1,344.23             | 1,053.59              | 290.64                  | 4.625             |                     |         |
| 16,500.00                               | 7,070.79            | 7,087.79            | 7,087.79            | 275.71          | 245.71      | -90.05                | 290.95                            | -6,913.13  | 1,443.75             | 1,154.03              | 289.73                  | 4.983             |                     |         |
| 16,600.00                               | 7,070.80            | 7,087.80            | 7,087.80            | 278.55          | 245.71      | -90.06                | 290.95                            | -6,913.13  | 1,543.34             | 1,254.36              | 288.98                  | 5.341             |                     |         |
| 16,700.00                               | 7,070.81            | 7,087.81            | 7,087.81            | 281.39          | 245.71      | -90.06                | 290.95                            | -6,913.13  | 1,642.97             | 1,354.62              | 288.35                  | 5.698             |                     |         |
| 16,800.00                               | 7,070.82            | 7,087.82            | 7,087.82            | 284.22          | 245.71      | -90.06                | 290.95                            | -6,913.13  | 1,742.65             | 1,454.82              | 287.83                  | 6.054             |                     |         |
| 16,900.00                               | 7,070.83            | 7,087.83            | 7,087.83            | 287.06          | 245.71      | -90.07                | 290.95                            | -6,913.13  | 1,842.36             | 1,554.96              | 287.40                  | 6.410             |                     |         |
| 17,000.00                               | 7,070.84            | 7,087.84            | 7,087.84            | 289.90          | 245.71      | -90.07                | 290.95                            | -6,913.13  | 1,942.10             | 1,655.07              | 287.03                  | 6.766             |                     |         |
| 17,100.00                               | 7,070.84            | 7,087.84            | 7,087.84            | 292.74          | 245.71      | -90.08                | 290.95                            | -6,913.13  | 2,041.87             | 1,755.15              | 286.72                  | 7.121             |                     |         |
| 17,200.00                               | 7,070.85            | 7,087.85            | 7,087.85            | 295.58          | 245.71      | -90.08                | 290.95                            | -6,913.13  | 2,141.66             | 1,855.19              | 286.46                  | 7.476             |                     |         |
| 17,300.00                               | 7,070.86            | 7,087.86            | 7,087.86            | 298.42          | 245.71      | -90.08                | 290.95                            | -6,913.13  | 2,241.46             | 1,955.22              | 286.25                  | 7.831             |                     |         |
| 17,400.00                               | 7,070.87            | 7,087.87            | 7,087.87            | 301.26          | 245.71      | -90.09                | 290.95                            | -6,913.13  | 2,341.29             | 2,055.23              | 286.06                  | 8.185             |                     |         |
| 17,500.00                               | 7,070.88            | 7,087.88            | 7,087.88            | 304.10          | 245.71      | -90.09                | 290.95                            | -6,913.13  | 2,441.13             | 2,155.22              | 285.91                  | 8.538             |                     |         |
| 17,600.00                               | 7,070.89            | 7,087.89            | 7,087.89            | 306.94          | 245.72      | -90.09                | 290.95                            | -6,913.13  | 2,540.98             | 2,255.19              | 285.78                  | 8.891             |                     |         |
| 17,700.00                               | 7,070.90            | 7,087.90            | 7,087.90            | 309.78          | 245.72      | -90.10                | 290.95                            | -6,913.13  | 2,640.84             | 2,355.16              | 285.68                  | 9.244             |                     |         |
| 17,800.00                               | 7,070.91            | 7,087.91            | 7,087.91            | 312.62          | 245.72      | -90.10                | 290.95                            | -6,913.13  | 2,740.71             | 2,455.12              | 285.59                  | 9.597             |                     |         |
| 17,900.00                               | 7,070.92            | 7,087.92            | 7,087.92            | 315.46          | 245.72      | -90.11                | 290.95                            | -6,913.13  | 2,840.59             | 2,555.07              | 285.53                  | 9.949             |                     |         |
| 18,000.00                               | 7,070.92            | 7,087.92            | 7,087.92            | 318.31          | 245.72      | -90.11                | 290.95                            | -6,913.13  | 2,940.48             | 2,655.01              | 285.47                  | 10.300            |                     |         |
| 18,100.00                               | 7,070.93            | 7,087.93            | 7,087.93            | 321.15          | 245.72      | -90.11                | 290.95                            | -6,913.13  | 3,040.38             | 2,754.94              | 285.44                  | 10.652            |                     |         |
| 18,200.00                               | 7,070.94            | 7,087.94            | 7,087.94            | 323.99          | 245.72      | -90.12                | 290.95                            | -6,913.13  | 3,140.28             | 2,854.87              | 285.41                  | 11.003            |                     |         |
| 18,300.00                               | 7,070.95            | 7,087.95            | 7,087.95            | 326.83          | 245.72      | -90.12                | 290.95                            | -6,913.13  | 3,240.19             | 2,954.80              | 285.39                  | 11.353            |                     |         |
| 18,400.00                               | 7,070.96            | 7,087.96            | 7,087.96            | 329.68          | 245.72      | -90.12                | 290.95                            | -6,913.13  | 3,340.11             | 3,054.72              | 285.39                  | 11.704            |                     |         |
| 18,500.00                               | 7,070.97            | 7,087.97            | 7,087.97            | 332.52          | 245.72      | -90.13                | 290.95                            | -6,913.13  | 3,440.02             | 3,154.63              | 285.39                  | 12.054            |                     |         |
| 18,600.00                               | 7,070.98            | 7,087.98            | 7,087.98            | 335.36          | 245.72      | -90.13                | 290.95                            | -6,913.13  | 3,539.95             | 3,254.55              | 285.40                  | 12.403            |                     |         |
| 18,700.00                               | 7,070.99            | 7,087.99            | 7,087.99            | 338.21          | 245.72      | -90.14                | 290.95                            | -6,913.13  | 3,639.88             | 3,354.46              | 285.42                  | 12.753            |                     |         |
| 18,800.00                               | 7,070.99            | 7,087.99            | 7,087.99            | 341.05          | 245.72      | -90.14                | 290.95                            | -6,913.13  | 3,739.81             | 3,454.36              | 285.45                  | 13.102            |                     |         |
| 18,858.54                               | 7,071.00            | 7,088.00            | 7,088.00            | 342.72          | 245.72      | -90.14                | 290.95                            | -6,913.13  | 3,798.31             | 3,512.85              | 285.46                  | 13.306            |                     |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 4.00                | 4.00                | 3.28            | 3.28        | -100.94               | -1,404.79                         | -7,270.70  | 7,405.17             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 104.00              | 104.00              | 3.28            | 3.78        | -100.94               | -1,404.79                         | -7,270.70  | 7,405.17             | 7,398.10              | 7.07                    | 1,047.728         |                    |         |
| 200.00                                  | 200.00              | 204.00              | 204.00              | 3.34            | 6.30        | -100.94               | -1,404.79                         | -7,270.70  | 7,405.17             | 7,395.54              | 9.63                    | 768.590           |                    |         |
| 300.00                                  | 300.00              | 304.00              | 304.00              | 3.44            | 9.45        | -100.94               | -1,404.79                         | -7,270.70  | 7,405.17             | 7,392.27              | 12.90                   | 574.078           |                    |         |
| 400.00                                  | 399.98              | 403.98              | 403.98              | 3.60            | 12.79       | -173.43               | -1,404.79                         | -7,270.70  | 7,406.91             | 7,390.52              | 16.39                   | 452.015           |                    |         |
| 500.00                                  | 499.84              | 503.84              | 503.84              | 3.80            | 16.18       | -173.43               | -1,404.79                         | -7,270.70  | 7,412.10             | 7,392.12              | 19.98                   | 370.948           |                    |         |
| 600.00                                  | 599.45              | 603.45              | 603.45              | 4.04            | 19.60       | -173.41               | -1,404.79                         | -7,270.70  | 7,420.76             | 7,397.12              | 23.64                   | 313.896           |                    |         |
| 700.00                                  | 698.70              | 702.70              | 702.70              | 4.32            | 23.02       | -173.40               | -1,404.79                         | -7,270.70  | 7,432.87             | 7,405.53              | 27.34                   | 271.872           |                    |         |
| 800.00                                  | 797.47              | 801.47              | 801.47              | 4.63            | 26.44       | -173.37               | -1,404.79                         | -7,270.70  | 7,448.41             | 7,417.35              | 31.06                   | 239.797           |                    |         |
| 900.00                                  | 895.62              | 900.38              | 899.62              | 4.97            | 29.87       | -173.35               | -1,404.79                         | -7,270.70  | 7,467.37             | 7,432.55              | 34.82                   | 214.457           |                    |         |
| 924.00                                  | 919.08              | 923.08              | 923.08              | 5.06            | 30.66       | -173.34               | -1,404.79                         | -7,270.70  | 7,472.42             | 7,436.73              | 35.69                   | 209.345           |                    |         |
| 1,000.00                                | 993.28              | 1,002.72            | 997.28              | 5.34            | 33.42       | -173.35               | -1,404.79                         | -7,270.70  | 7,488.74             | 7,450.02              | 38.72                   | 193.404           |                    |         |
| 1,100.00                                | 1,090.92            | 1,105.08            | 1,094.92            | 5.73            | 36.98       | -173.37               | -1,404.79                         | -7,270.70  | 7,510.21             | 7,467.58              | 42.64                   | 176.149           |                    |         |
| 1,200.00                                | 1,188.56            | 1,207.44            | 1,192.56            | 6.15            | 40.54       | -173.39               | -1,404.79                         | -7,270.70  | 7,531.68             | 7,485.12              | 46.57                   | 161.735           |                    |         |
| 1,300.00                                | 1,286.19            | 1,309.81            | 1,290.19            | 6.57            | 44.10       | -173.41               | -1,404.79                         | -7,270.70  | 7,553.16             | 7,502.64              | 50.52                   | 149.523           |                    |         |
| 1,400.00                                | 1,383.83            | 1,387.83            | 1,387.83            | 7.01            | 46.82       | -173.43               | -1,404.79                         | -7,270.70  | 7,574.63             | 7,521.01              | 53.63                   | 141.248           |                    |         |
| 1,500.00                                | 1,481.47            | 1,485.47            | 1,485.47            | 7.46            | 50.22       | -173.45               | -1,404.79                         | -7,270.70  | 7,596.11             | 7,538.68              | 57.43                   | 132.267           |                    |         |
| 1,600.00                                | 1,579.10            | 1,583.10            | 1,583.10            | 7.91            | 53.62       | -173.47               | -1,404.79                         | -7,270.70  | 7,617.58             | 7,556.34              | 61.24                   | 124.384           |                    |         |
| 1,700.00                                | 1,676.74            | 1,680.74            | 1,680.74            | 8.37            | 57.02       | -173.48               | -1,404.79                         | -7,270.70  | 7,639.06             | 7,574.00              | 65.06                   | 117.413           |                    |         |
| 1,800.00                                | 1,774.38            | 1,778.38            | 1,778.38            | 8.84            | 60.43       | -173.50               | -1,404.79                         | -7,270.70  | 7,660.54             | 7,591.65              | 68.89                   | 111.206           |                    |         |
| 1,900.00                                | 1,872.02            | 1,876.02            | 1,876.02            | 9.31            | 63.83       | -173.52               | -1,404.79                         | -7,270.70  | 7,682.01             | 7,609.30              | 72.72                   | 105.644           |                    |         |
| 2,000.00                                | 1,969.65            | 1,973.65            | 1,973.65            | 9.79            | 67.23       | -173.54               | -1,404.79                         | -7,270.70  | 7,703.49             | 7,626.94              | 76.55                   | 100.633           |                    |         |
| 2,100.00                                | 2,067.29            | 2,071.29            | 2,071.29            | 10.27           | 70.64       | -173.56               | -1,404.79                         | -7,270.70  | 7,724.97             | 7,644.58              | 80.39                   | 96.096            |                    |         |
| 2,200.00                                | 2,164.93            | 2,168.93            | 2,168.93            | 10.75           | 74.04       | -173.58               | -1,404.79                         | -7,270.70  | 7,746.45             | 7,662.22              | 84.23                   | 91.968            |                    |         |
| 2,300.00                                | 2,262.56            | 2,266.56            | 2,266.56            | 11.24           | 77.45       | -173.59               | -1,404.79                         | -7,270.70  | 7,767.93             | 7,679.86              | 88.07                   | 88.198            |                    |         |
| 2,400.00                                | 2,360.20            | 2,364.20            | 2,364.20            | 11.73           | 80.86       | -173.61               | -1,404.79                         | -7,270.70  | 7,789.41             | 7,697.49              | 91.92                   | 84.741            |                    |         |
| 2,500.00                                | 2,457.84            | 2,461.84            | 2,461.84            | 12.22           | 84.26       | -173.63               | -1,404.79                         | -7,270.70  | 7,810.90             | 7,715.13              | 95.77                   | 81.560            |                    |         |
| 2,600.00                                | 2,555.48            | 2,559.48            | 2,559.48            | 12.71           | 87.67       | -173.65               | -1,404.79                         | -7,270.70  | 7,832.38             | 7,732.76              | 99.62                   | 78.623            |                    |         |
| 2,700.00                                | 2,653.11            | 2,657.11            | 2,657.11            | 13.20           | 91.07       | -173.66               | -1,404.79                         | -7,270.70  | 7,853.86             | 7,750.39              | 103.47                  | 75.903            |                    |         |
| 2,800.00                                | 2,750.75            | 2,754.75            | 2,754.75            | 13.70           | 94.48       | -173.68               | -1,404.79                         | -7,270.70  | 7,875.35             | 7,768.02              | 107.33                  | 73.377            |                    |         |
| 2,900.00                                | 2,848.39            | 2,852.39            | 2,852.39            | 14.19           | 97.89       | -173.70               | -1,404.79                         | -7,270.70  | 7,896.83             | 7,785.65              | 111.18                  | 71.026            |                    |         |
| 3,000.00                                | 2,946.02            | 2,950.02            | 2,950.02            | 14.69           | 101.29      | -173.72               | -1,404.79                         | -7,270.70  | 7,918.32             | 7,803.28              | 115.04                  | 68.832            |                    |         |
| 3,100.00                                | 3,043.66            | 3,047.66            | 3,047.66            | 15.19           | 104.70      | -173.73               | -1,404.79                         | -7,270.70  | 7,939.80             | 7,820.91              | 118.90                  | 66.779            |                    |         |
| 3,200.00                                | 3,141.30            | 3,145.30            | 3,145.30            | 15.69           | 108.11      | -173.75               | -1,404.79                         | -7,270.70  | 7,961.29             | 7,838.54              | 122.76                  | 64.855            |                    |         |
| 3,300.00                                | 3,238.94            | 3,242.94            | 3,242.94            | 16.19           | 111.51      | -173.77               | -1,404.79                         | -7,270.70  | 7,982.78             | 7,856.16              | 126.62                  | 63.047            |                    |         |
| 3,400.00                                | 3,336.57            | 3,340.57            | 3,340.57            | 16.69           | 114.92      | -173.78               | -1,404.79                         | -7,270.70  | 8,004.27             | 7,873.79              | 130.48                  | 61.346            |                    |         |
| 3,500.00                                | 3,434.21            | 3,438.21            | 3,438.21            | 17.19           | 118.33      | -173.80               | -1,404.79                         | -7,270.70  | 8,025.76             | 7,891.42              | 134.34                  | 59.743            |                    |         |
| 3,600.00                                | 3,531.85            | 3,535.85            | 3,535.85            | 17.69           | 121.74      | -173.82               | -1,404.79                         | -7,270.70  | 8,047.25             | 7,909.05              | 138.20                  | 58.229            |                    |         |
| 3,700.00                                | 3,629.48            | 3,633.48            | 3,633.48            | 18.20           | 125.14      | -173.83               | -1,404.79                         | -7,270.70  | 8,068.74             | 7,926.67              | 142.06                  | 56.796            |                    |         |
| 3,800.00                                | 3,727.12            | 3,731.12            | 3,731.12            | 18.70           | 128.55      | -173.85               | -1,404.79                         | -7,270.70  | 8,090.23             | 7,944.30              | 145.93                  | 55.440            |                    |         |
| 3,900.00                                | 3,824.76            | 3,828.76            | 3,828.76            | 19.21           | 131.96      | -173.87               | -1,404.79                         | -7,270.70  | 8,111.72             | 7,961.93              | 149.79                  | 54.153            |                    |         |
| 4,000.00                                | 3,922.40            | 3,926.40            | 3,926.40            | 19.71           | 135.37      | -173.88               | -1,404.79                         | -7,270.70  | 8,133.21             | 7,979.55              | 153.66                  | 52.931            |                    |         |
| 4,100.00                                | 4,020.03            | 4,024.03            | 4,024.03            | 20.21           | 138.77      | -173.90               | -1,404.79                         | -7,270.70  | 8,154.70             | 7,997.18              | 157.52                  | 51.768            |                    |         |
| 4,200.00                                | 4,117.67            | 4,121.67            | 4,121.67            | 20.72           | 142.18      | -173.91               | -1,404.79                         | -7,270.70  | 8,176.20             | 8,014.81              | 161.39                  | 50.662            |                    |         |
| 4,300.00                                | 4,215.31            | 4,219.31            | 4,219.31            | 21.23           | 145.59      | -173.93               | -1,404.79                         | -7,270.70  | 8,197.69             | 8,032.44              | 165.25                  | 49.606            |                    |         |
| 4,400.00                                | 4,312.94            | 4,316.94            | 4,316.94            | 21.73           | 149.00      | -173.95               | -1,404.79                         | -7,270.70  | 8,219.19             | 8,050.06              | 169.12                  | 48.599            |                    |         |
| 4,500.00                                | 4,410.58            | 4,414.58            | 4,414.58            | 22.24           | 152.40      | -173.96               | -1,404.79                         | -7,270.70  | 8,240.68             | 8,067.69              | 172.99                  | 47.637            |                    |         |
| 4,600.00                                | 4,508.22            | 4,512.22            | 4,512.22            | 22.75           | 155.81      | -173.98               | -1,404.79                         | -7,270.70  | 8,262.18             | 8,085.32              | 176.86                  | 46.717            |                    |         |
| 4,700.00                                | 4,605.86            | 4,609.86            | 4,609.86            | 23.25           | 159.22      | -173.99               | -1,404.79                         | -7,270.70  | 8,283.67             | 8,102.95              | 180.72                  | 45.836            |                    |         |
| 4,800.00                                | 4,703.49            | 4,707.49            | 4,707.49            | 23.76           | 162.63      | -174.01               | -1,404.79                         | -7,270.70  | 8,305.17             | 8,120.58              | 184.59                  | 44.992            |                    |         |
| 4,900.00                                | 4,801.13            | 4,805.13            | 4,805.13            | 24.27           | 166.03      | -174.02               | -1,404.79                         | -7,270.70  | 8,326.67             | 8,138.21              | 188.46                  | 44.183            |                    |         |
| 5,000.00                                | 4,898.77            | 4,902.77            | 4,902.77            | 24.77           | 169.44      | -174.04               | -1,404.79                         | -7,270.70  | 8,348.17             | 8,155.84              | 192.33                  | 43.406            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,000.40            | 5,000.40            | 25.28           | 172.85      | -174.06               | -1,404.79                         | -7,270.70  | 8,369.67             | 8,173.47              | 196.20                  | 42.659            |                    |         |
| 5,200.00                                | 5,094.04            | 5,101.96            | 5,098.04            | 25.79           | 176.39      | -174.07               | -1,404.79                         | -7,270.70  | 8,391.16             | 8,190.96              | 200.20                  | 41.913            |                    |         |
| 5,300.00                                | 5,191.68            | 5,204.32            | 5,195.68            | 26.30           | 179.97      | -174.09               | -1,404.79                         | -7,270.70  | 8,412.66             | 8,208.43              | 204.24                  | 41.191            |                    |         |
| 5,400.00                                | 5,289.32            | 5,306.68            | 5,293.32            | 26.81           | 183.54      | -174.10               | -1,404.79                         | -7,270.70  | 8,434.17             | 8,225.89              | 208.27                  | 40.496            |                    |         |
| 5,500.00                                | 5,386.95            | 5,409.05            | 5,390.95            | 27.32           | 187.11      | -174.12               | -1,404.79                         | -7,270.70  | 8,455.67             | 8,243.36              | 212.31                  | 39.827            |                    |         |
| 5,600.00                                | 5,484.59            | 5,488.59            | 5,488.59            | 27.83           | 189.89      | -174.13               | -1,404.79                         | -7,270.70  | 8,477.17             | 8,261.62              | 215.55                  | 39.329            |                    |         |
| 5,700.00                                | 5,582.23            | 5,586.23            | 5,586.23            | 28.33           | 193.30      | -174.15               | -1,404.79                         | -7,270.70  | 8,498.67             | 8,279.25              | 219.42                  | 38.733            |                    |         |
| 5,800.00                                | 5,679.87            | 5,683.87            | 5,683.87            | 28.84           | 196.71      | -174.16               | -1,404.79                         | -7,270.70  | 8,520.17             | 8,296.89              | 223.29                  | 38.158            |                    |         |
| 5,900.00                                | 5,777.50            | 5,781.50            | 5,781.50            | 29.35           | 200.11      | -174.18               | -1,404.79                         | -7,270.70  | 8,541.68             | 8,314.52              | 227.16                  | 37.602            |                    |         |
| 6,000.00                                | 5,875.14            | 5,879.14            | 5,879.14            | 29.86           | 203.52      | -174.19               | -1,404.79                         | -7,270.70  | 8,563.18             | 8,332.15              | 231.03                  | 37.066            |                    |         |
| 6,100.00                                | 5,972.78            | 5,976.78            | 5,976.78            | 30.37           | 206.93      | -174.20               | -1,404.79                         | -7,270.70  | 8,584.68             | 8,349.78              | 234.90                  | 36.546            |                    |         |
| 6,200.00                                | 6,070.41            | 6,074.41            | 6,074.41            | 30.88           | 210.34      | -174.22               | -1,404.79                         | -7,270.70  | 8,606.19             | 8,367.42              | 238.77                  | 36.044            |                    |         |
| 6,300.00                                | 6,168.05            | 6,172.05            | 6,172.05            | 31.39           | 213.75      | -174.23               | -1,404.79                         | -7,270.70  | 8,627.69             | 8,385.05              | 242.64                  | 35.557            |                    |         |
| 6,400.00                                | 6,265.69            | 6,269.69            | 6,269.69            | 31.90           | 217.15      | -174.25               | -1,404.79                         | -7,270.70  | 8,649.20             | 8,402.69              | 246.51                  | 35.086            |                    |         |
| 6,439.09                                | 6,303.85            | 6,307.85            | 6,307.85            | 32.10           | 218.49      | -174.25               | -1,404.79                         | -7,270.70  | 8,657.61             | 8,409.58              | 248.03                  | 34.906            |                    |         |
| 6,450.00                                | 6,314.53            | 6,318.53            | 6,318.53            | 32.16           | 218.86      | -172.74               | -1,404.79                         | -7,270.70  | 8,659.86             | 8,411.41              | 248.45                  | 34.856            |                    |         |
| 6,500.00                                | 6,363.83            | 6,367.83            | 6,367.83            | 32.39           | 220.58      | -161.18               | -1,404.79                         | -7,270.70  | 8,667.91             | 8,417.51              | 250.39                  | 34.617            |                    |         |
| 6,550.00                                | 6,413.58            | 6,417.58            | 6,417.58            | 32.60           | 222.32      | -128.54               | -1,404.79                         | -7,270.70  | 8,672.14             | 8,419.80              | 252.34                  | 34.367            |                    |         |
| 6,600.00                                | 6,463.45            | 6,467.45            | 6,467.45            | 32.79           | 224.06      | -67.72                | -1,404.79                         | -7,270.70  | 8,672.53             | 8,418.26              | 254.28                  | 34.107            |                    |         |
| 6,650.00                                | 6,513.15            | 6,517.15            | 6,517.15            | 32.97           | 225.79      | -40.31                | -1,404.79                         | -7,270.70  | 8,669.09             | 8,412.91              | 256.18                  | 33.839            |                    |         |
| 6,700.00                                | 6,562.37            | 6,566.37            | 6,566.37            | 33.15           | 227.51      | -30.47                | -1,404.79                         | -7,270.70  | 8,661.84             | 8,403.78              | 258.06                  | 33.566            |                    |         |
| 6,750.00                                | 6,610.80            | 6,614.80            | 6,614.80            | 33.34           | 229.20      | -25.91                | -1,404.79                         | -7,270.70  | 8,650.81             | 8,390.93              | 259.89                  | 33.287            |                    |         |
| 6,800.00                                | 6,658.14            | 6,662.14            | 6,662.14            | 33.53           | 230.85      | -23.47                | -1,404.79                         | -7,270.70  | 8,636.09             | 8,374.43              | 261.66                  | 33.005            |                    |         |
| 6,850.00                                | 6,704.11            | 6,708.11            | 6,708.11            | 33.74           | 232.46      | -22.12                | -1,404.79                         | -7,270.70  | 8,617.76             | 8,354.39              | 263.37                  | 32.721            |                    |         |
| 6,900.00                                | 6,748.42            | 6,752.42            | 6,752.42            | 33.97           | 234.00      | -21.44                | -1,404.79                         | -7,270.70  | 8,595.93             | 8,330.93              | 265.00                  | 32.437            |                    |         |
| 6,950.00                                | 6,790.79            | 6,805.21            | 6,794.79            | 34.21           | 235.85      | -21.25                | -1,404.79                         | -7,270.70  | 8,570.75             | 8,303.84              | 266.92                  | 32.110            |                    |         |
| 7,000.00                                | 6,830.97            | 6,834.97            | 6,834.97            | 34.48           | 236.89      | -21.43                | -1,404.79                         | -7,270.70  | 8,542.37             | 8,274.36              | 268.02                  | 31.873            |                    |         |
| 7,050.00                                | 6,868.71            | 6,872.71            | 6,872.71            | 34.77           | 238.20      | -21.98                | -1,404.79                         | -7,270.70  | 8,510.97             | 8,241.59              | 269.38                  | 31.595            |                    |         |
| 7,100.00                                | 6,903.77            | 6,907.77            | 6,907.77            | 35.09           | 239.43      | -22.90                | -1,404.79                         | -7,270.70  | 8,476.74             | 8,206.11              | 270.64                  | 31.322            |                    |         |
| 7,150.00                                | 6,935.93            | 6,939.93            | 6,939.93            | 35.44           | 240.55      | -24.24                | -1,404.79                         | -7,270.70  | 8,439.90             | 8,168.12              | 271.78                  | 31.054            |                    |         |
| 7,200.00                                | 6,965.01            | 6,969.01            | 6,969.01            | 35.83           | 241.57      | -26.08                | -1,404.79                         | -7,270.70  | 8,400.67             | 8,127.85              | 272.82                  | 30.792            |                    |         |
| 7,250.00                                | 6,990.82            | 7,005.18            | 6,994.82            | 36.26           | 242.83      | -28.57                | -1,404.79                         | -7,270.70  | 8,359.30             | 8,085.20              | 274.09                  | 30.498            |                    |         |
| 7,300.00                                | 7,013.20            | 7,017.20            | 7,017.20            | 36.72           | 243.25      | -31.95                | -1,404.79                         | -7,270.70  | 8,316.04             | 8,041.51              | 274.52                  | 30.292            |                    |         |
| 7,350.00                                | 7,032.02            | 7,036.02            | 7,036.02            | 37.23           | 243.90      | -36.57                | -1,404.79                         | -7,270.70  | 8,271.16             | 7,995.96              | 275.19                  | 30.056            |                    |         |
| 7,400.00                                | 7,047.15            | 7,051.15            | 7,051.15            | 37.77           | 244.43      | -43.03                | -1,404.79                         | -7,270.70  | 8,224.94             | 7,949.20              | 275.74                  | 29.829            |                    |         |
| 7,450.00                                | 7,058.51            | 7,062.51            | 7,062.51            | 38.34           | 244.83      | -52.16                | -1,404.79                         | -7,270.70  | 8,177.66             | 7,901.51              | 276.15                  | 29.613            |                    |         |
| 7,500.00                                | 7,066.02            | 7,070.02            | 7,070.02            | 38.95           | 245.09      | -65.01                | -1,404.79                         | -7,270.70  | 8,129.62             | 7,853.18              | 276.44                  | 29.408            |                    |         |
| 7,550.00                                | 7,069.64            | 7,073.64            | 7,073.64            | 39.58           | 245.22      | -81.94                | -1,404.79                         | -7,270.70  | 8,081.10             | 7,804.50              | 276.60                  | 29.216            |                    |         |
| 7,571.20                                | 7,070.00            | 7,074.00            | 7,074.00            | 39.85           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 8,060.47             | 7,783.84              | 276.63                  | 29.138            |                    |         |
| 7,600.00                                | 7,070.00            | 7,074.00            | 7,074.00            | 40.23           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 8,032.42             | 7,755.77              | 276.66                  | 29.034            |                    |         |
| 7,700.00                                | 7,070.01            | 7,074.01            | 7,074.01            | 41.64           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,935.09             | 7,658.33              | 276.76                  | 28.672            |                    |         |
| 7,800.00                                | 7,070.02            | 7,074.02            | 7,074.02            | 43.20           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,837.82             | 7,560.95              | 276.88                  | 28.308            |                    |         |
| 7,900.00                                | 7,070.03            | 7,074.03            | 7,074.03            | 44.89           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,740.63             | 7,463.61              | 277.02                  | 27.942            |                    |         |
| 8,000.00                                | 7,070.04            | 7,074.04            | 7,074.04            | 46.69           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,643.50             | 7,366.32              | 277.18                  | 27.575            |                    |         |
| 8,100.00                                | 7,070.05            | 7,074.05            | 7,074.05            | 48.60           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,546.46             | 7,269.08              | 277.37                  | 27.207            |                    |         |
| 8,200.00                                | 7,070.05            | 7,074.05            | 7,074.05            | 50.59           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,449.49             | 7,171.90              | 277.59                  | 26.837            |                    |         |
| 8,300.00                                | 7,070.06            | 7,074.06            | 7,074.06            | 52.66           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,352.60             | 7,074.77              | 277.82                  | 26.465            |                    |         |
| 8,400.00                                | 7,070.07            | 7,074.07            | 7,074.07            | 54.81           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,255.79             | 6,977.70              | 278.09                  | 26.092            |                    |         |
| 8,500.00                                | 7,070.08            | 7,074.08            | 7,074.08            | 57.02           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,159.08             | 6,880.69              | 278.38                  | 25.717            |                    |         |
| 8,600.00                                | 7,070.09            | 7,074.09            | 7,074.09            | 59.28           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 7,062.45             | 6,783.74              | 278.71                  | 25.340            |                    |         |
| 8,700.00                                | 7,070.10            | 7,074.10            | 7,074.10            | 61.60           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 6,965.92             | 6,686.86              | 279.06                  | 24.962            |                    |         |
| 8,800.00                                | 7,070.11            | 7,074.11            | 7,074.11            | 63.95           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 6,869.49             | 6,590.04              | 279.45                  | 24.582            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,074.12            | 7,074.12            | 66.35           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 6,773.16             | 6,493.29              | 279.88                  | 24.201            |                    |         |
| 9,000.00                                | 7,070.13            | 7,074.13            | 7,074.13            | 68.79           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 6,676.94             | 6,396.61              | 280.33                  | 23.818            |                    |         |
| 9,100.00                                | 7,070.13            | 7,074.13            | 7,074.13            | 71.25           | 245.23      | -89.98                | -1,404.79                         | -7,270.70  | 6,580.83             | 6,300.00              | 280.83                  | 23.433            |                    |         |
| 9,200.00                                | 7,070.14            | 7,074.14            | 7,074.14            | 73.74           | 245.24      | -89.98                | -1,404.79                         | -7,270.70  | 6,484.85             | 6,203.48              | 281.37                  | 23.048            |                    |         |
| 9,300.00                                | 7,070.15            | 7,074.15            | 7,074.15            | 76.26           | 245.24      | -89.98                | -1,404.79                         | -7,270.70  | 6,388.98             | 6,107.04              | 281.94                  | 22.661            |                    |         |
| 9,400.00                                | 7,070.16            | 7,074.16            | 7,074.16            | 78.80           | 245.24      | -89.98                | -1,404.79                         | -7,270.70  | 6,293.24             | 6,010.68              | 282.56                  | 22.272            |                    |         |
| 9,500.00                                | 7,070.17            | 7,074.17            | 7,074.17            | 81.37           | 245.24      | -89.98                | -1,404.79                         | -7,270.70  | 6,197.64             | 5,914.42              | 283.22                  | 21.883            |                    |         |
| 9,600.00                                | 7,070.18            | 7,074.18            | 7,074.18            | 83.95           | 245.24      | -89.98                | -1,404.79                         | -7,270.70  | 6,102.18             | 5,818.25              | 283.93                  | 21.492            |                    |         |
| 9,700.00                                | 7,070.19            | 7,074.19            | 7,074.19            | 86.55           | 245.24      | -89.98                | -1,404.79                         | -7,270.70  | 6,006.86             | 5,722.18              | 284.68                  | 21.100            |                    |         |
| 9,800.00                                | 7,070.20            | 7,074.20            | 7,074.20            | 89.17           | 245.24      | -89.98                | -1,404.79                         | -7,270.70  | 5,911.71             | 5,626.22              | 285.49                  | 20.708            |                    |         |
| 9,900.00                                | 7,070.21            | 7,074.21            | 7,074.21            | 91.80           | 245.24      | -89.98                | -1,404.79                         | -7,270.70  | 5,816.71             | 5,530.37              | 286.34                  | 20.314            |                    |         |
| 10,000.00                               | 7,070.21            | 7,074.21            | 7,074.21            | 94.44           | 245.24      | -89.98                | -1,404.79                         | -7,270.70  | 5,721.88             | 5,434.63              | 287.25                  | 19.920            |                    |         |
| 10,100.00                               | 7,070.22            | 7,074.22            | 7,074.22            | 97.10           | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 5,627.23             | 5,339.02              | 288.21                  | 19.525            |                    |         |
| 10,200.00                               | 7,070.23            | 7,074.23            | 7,074.23            | 99.77           | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 5,532.78             | 5,243.54              | 289.23                  | 19.129            |                    |         |
| 10,300.00                               | 7,070.24            | 7,074.24            | 7,074.24            | 102.44          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 5,438.52             | 5,148.20              | 290.31                  | 18.733            |                    |         |
| 10,400.00                               | 7,070.25            | 7,074.25            | 7,074.25            | 105.13          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 5,344.46             | 5,053.01              | 291.45                  | 18.337            |                    |         |
| 10,500.00                               | 7,070.26            | 7,074.26            | 7,074.26            | 107.83          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 5,250.63             | 4,957.97              | 292.66                  | 17.941            |                    |         |
| 10,600.00                               | 7,070.27            | 7,074.27            | 7,074.27            | 110.53          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 5,157.03             | 4,863.10              | 293.93                  | 17.545            |                    |         |
| 10,700.00                               | 7,070.28            | 7,074.28            | 7,074.28            | 113.24          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 5,063.67             | 4,768.40              | 295.27                  | 17.149            |                    |         |
| 10,800.00                               | 7,070.28            | 7,074.28            | 7,074.28            | 115.96          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,970.58             | 4,673.89              | 296.69                  | 16.753            |                    |         |
| 10,900.00                               | 7,070.29            | 7,074.29            | 7,074.29            | 118.69          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,877.75             | 4,579.57              | 298.18                  | 16.358            |                    |         |
| 11,000.00                               | 7,070.30            | 7,074.30            | 7,074.30            | 121.42          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,785.22             | 4,485.47              | 299.75                  | 15.964            |                    |         |
| 11,100.00                               | 7,070.31            | 7,074.31            | 7,074.31            | 124.16          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,692.99             | 4,391.59              | 301.40                  | 15.571            |                    |         |
| 11,200.00                               | 7,070.32            | 7,074.32            | 7,074.32            | 126.90          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,601.09             | 4,297.95              | 303.14                  | 15.178            |                    |         |
| 11,300.00                               | 7,070.33            | 7,074.33            | 7,074.33            | 129.65          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,509.53             | 4,204.56              | 304.97                  | 14.787            |                    |         |
| 11,400.00                               | 7,070.34            | 7,074.34            | 7,074.34            | 132.40          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,418.33             | 4,111.44              | 306.89                  | 14.397            |                    |         |
| 11,500.00                               | 7,070.35            | 7,074.35            | 7,074.35            | 135.16          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,327.53             | 4,018.62              | 308.91                  | 14.009            |                    |         |
| 11,600.00                               | 7,070.36            | 7,074.36            | 7,074.36            | 137.92          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,237.14             | 3,926.11              | 311.03                  | 13.623            |                    |         |
| 11,700.00                               | 7,070.36            | 7,074.36            | 7,074.36            | 140.69          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,147.19             | 3,833.93              | 313.26                  | 13.239            |                    |         |
| 11,800.00                               | 7,070.37            | 7,074.37            | 7,074.37            | 143.46          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 4,057.71             | 3,742.11              | 315.60                  | 12.857            |                    |         |
| 11,900.00                               | 7,070.38            | 7,074.38            | 7,074.38            | 146.23          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 3,968.74             | 3,650.67              | 318.06                  | 12.478            |                    |         |
| 12,000.00                               | 7,070.39            | 7,074.39            | 7,074.39            | 149.01          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 3,880.30             | 3,559.65              | 320.65                  | 12.102            |                    |         |
| 12,100.00                               | 7,070.40            | 7,074.40            | 7,074.40            | 151.79          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 3,792.43             | 3,469.07              | 323.36                  | 11.728            |                    |         |
| 12,200.00                               | 7,070.41            | 7,074.41            | 7,074.41            | 154.57          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 3,705.18             | 3,378.97              | 326.21                  | 11.358            |                    |         |
| 12,300.00                               | 7,070.42            | 7,074.42            | 7,074.42            | 157.35          | 245.24      | -89.99                | -1,404.79                         | -7,270.70  | 3,618.59             | 3,289.39              | 329.20                  | 10.992            |                    |         |
| 12,400.00                               | 7,070.43            | 7,074.43            | 7,074.43            | 160.14          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 3,532.71             | 3,200.37              | 332.34                  | 10.630            |                    |         |
| 12,500.00                               | 7,070.44            | 7,074.44            | 7,074.44            | 162.93          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 3,447.59             | 3,111.95              | 335.64                  | 10.272            |                    |         |
| 12,600.00                               | 7,070.44            | 7,074.44            | 7,074.44            | 165.72          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 3,363.29             | 3,024.19              | 339.10                  | 9.918             |                    |         |
| 12,700.00                               | 7,070.45            | 7,074.45            | 7,074.45            | 168.52          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 3,279.87             | 2,937.14              | 342.74                  | 9.570             |                    |         |
| 12,800.00                               | 7,070.46            | 7,074.46            | 7,074.46            | 171.32          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 3,197.41             | 2,850.86              | 346.55                  | 9.226             |                    |         |
| 12,900.00                               | 7,070.47            | 7,074.47            | 7,074.47            | 174.11          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 3,115.97             | 2,765.42              | 350.55                  | 8.889             |                    |         |
| 13,000.00                               | 7,070.48            | 7,074.48            | 7,074.48            | 176.92          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 3,035.64             | 2,680.90              | 354.74                  | 8.557             |                    |         |
| 13,100.00                               | 7,070.49            | 7,074.49            | 7,074.49            | 179.72          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 2,956.51             | 2,597.38              | 359.13                  | 8.232             |                    |         |
| 13,200.00                               | 7,070.50            | 7,074.50            | 7,074.50            | 182.52          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 2,878.67             | 2,514.95              | 363.73                  | 7.914             |                    |         |
| 13,300.00                               | 7,070.51            | 7,074.51            | 7,074.51            | 185.33          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 2,802.25             | 2,433.71              | 368.54                  | 7.604             |                    |         |
| 13,400.00                               | 7,070.52            | 7,074.52            | 7,074.52            | 188.14          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 2,727.35             | 2,353.78              | 373.57                  | 7.301             |                    |         |
| 13,500.00                               | 7,070.52            | 7,074.52            | 7,074.52            | 190.95          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 2,654.11             | 2,275.29              | 378.81                  | 7.006             |                    |         |
| 13,600.00                               | 7,070.53            | 7,074.53            | 7,074.53            | 193.76          | 245.25      | -89.99                | -1,404.79                         | -7,270.70  | 2,582.66             | 2,198.38              | 384.28                  | 6.721             |                    |         |
| 13,700.00                               | 7,070.54            | 7,074.54            | 7,074.54            | 196.57          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,513.16             | 2,123.20              | 389.96                  | 6.445             |                    |         |
| 13,800.00                               | 7,070.55            | 7,074.55            | 7,074.55            | 199.38          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,445.77             | 2,049.92              | 395.85                  | 6.178             |                    |         |
| 13,900.00                               | 7,070.56            | 7,074.56            | 7,074.56            | 202.20          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,380.68             | 1,978.73              | 401.95                  | 5.923             |                    |         |
| 14,000.00                               | 7,070.57            | 7,074.57            | 7,074.57            | 205.01          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,318.07             | 1,909.85              | 408.23                  | 5.678             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00                               | 7,070.58            | 7,074.58            | 7,074.58            | 207.83          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,258.16             | 1,843.50              | 414.67                  | 5.446             |                    |         |
| 14,200.00                               | 7,070.59            | 7,074.59            | 7,074.59            | 210.65          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,201.17             | 1,779.92              | 421.25                  | 5.225             |                    |         |
| 14,300.00                               | 7,070.60            | 7,074.60            | 7,074.60            | 213.47          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,147.32             | 1,719.40              | 427.92                  | 5.018             |                    |         |
| 14,400.00                               | 7,070.60            | 7,074.60            | 7,074.60            | 216.29          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,096.86             | 1,662.21              | 434.65                  | 4.824             |                    |         |
| 14,500.00                               | 7,070.61            | 7,074.61            | 7,074.61            | 219.11          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,050.04             | 1,608.65              | 441.39                  | 4.645             |                    |         |
| 14,600.00                               | 7,070.62            | 7,074.62            | 7,074.62            | 221.94          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 2,007.11             | 1,559.06              | 448.05                  | 4.480             |                    |         |
| 14,700.00                               | 7,070.63            | 7,074.63            | 7,074.63            | 224.76          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,968.33             | 1,513.74              | 454.59                  | 4.330             |                    |         |
| 14,800.00                               | 7,070.64            | 7,074.64            | 7,074.64            | 227.58          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,933.95             | 1,473.04              | 460.91                  | 4.196             |                    |         |
| 14,900.00                               | 7,070.65            | 7,074.65            | 7,074.65            | 230.41          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,904.21             | 1,437.27              | 466.94                  | 4.078             |                    |         |
| 15,000.00                               | 7,070.66            | 7,074.66            | 7,074.66            | 233.24          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,879.32             | 1,406.74              | 472.59                  | 3.977             |                    |         |
| 15,100.00                               | 7,070.67            | 7,074.67            | 7,074.67            | 236.06          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,859.49             | 1,381.72              | 477.77                  | 3.892             |                    |         |
| 15,200.00                               | 7,070.68            | 7,074.68            | 7,074.68            | 238.89          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,844.87             | 1,362.46              | 482.41                  | 3.824             |                    |         |
| 15,300.00                               | 7,070.68            | 7,074.68            | 7,074.68            | 241.72          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,835.58             | 1,349.16              | 486.43                  | 3.774             |                    |         |
| 15,400.00                               | 7,070.69            | 7,074.69            | 7,074.69            | 244.55          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,831.72             | 1,341.94              | 489.78                  | 3.740             |                    |         |
| 15,420.81                               | 7,070.70            | 7,074.70            | 7,074.70            | 245.14          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,831.60             | 1,341.21              | 490.39                  | 3.735 CC          |                    |         |
| 15,500.00                               | 7,070.70            | 7,074.70            | 7,074.70            | 247.38          | 245.25      | -90.00                | -1,404.79                         | -7,270.70  | 1,833.32             | 1,340.89              | 492.43                  | 3.723 ES          |                    |         |
| 15,600.00                               | 7,070.71            | 7,074.71            | 7,074.71            | 250.21          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 1,840.35             | 1,346.01              | 494.34                  | 3.723 SF          |                    |         |
| 15,700.00                               | 7,070.72            | 7,074.72            | 7,074.72            | 253.04          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 1,852.76             | 1,357.23              | 495.53                  | 3.739             |                    |         |
| 15,800.00                               | 7,070.73            | 7,074.73            | 7,074.73            | 255.87          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 1,870.44             | 1,374.44              | 496.01                  | 3.771             |                    |         |
| 15,900.00                               | 7,070.74            | 7,074.74            | 7,074.74            | 258.71          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 1,893.25             | 1,397.44              | 495.81                  | 3.819             |                    |         |
| 16,000.00                               | 7,070.75            | 7,074.75            | 7,074.75            | 261.54          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 1,921.00             | 1,426.01              | 494.99                  | 3.881             |                    |         |
| 16,100.00                               | 7,070.76            | 7,074.76            | 7,074.76            | 264.37          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 1,953.48             | 1,459.88              | 493.59                  | 3.958             |                    |         |
| 16,200.00                               | 7,070.76            | 7,074.76            | 7,074.76            | 267.21          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 1,990.46             | 1,498.75              | 491.70                  | 4.048             |                    |         |
| 16,300.00                               | 7,070.77            | 7,074.77            | 7,074.77            | 270.04          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,031.69             | 1,542.31              | 489.38                  | 4.152             |                    |         |
| 16,400.00                               | 7,070.78            | 7,074.78            | 7,074.78            | 272.88          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,076.92             | 1,590.23              | 486.69                  | 4.267             |                    |         |
| 16,500.00                               | 7,070.79            | 7,074.79            | 7,074.79            | 275.71          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,125.90             | 1,642.18              | 483.71                  | 4.395             |                    |         |
| 16,600.00                               | 7,070.80            | 7,074.80            | 7,074.80            | 278.55          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,178.36             | 1,697.87              | 480.50                  | 4.534             |                    |         |
| 16,700.00                               | 7,070.81            | 7,074.81            | 7,074.81            | 281.39          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,234.08             | 1,756.97              | 477.11                  | 4.683             |                    |         |
| 16,800.00                               | 7,070.82            | 7,074.82            | 7,074.82            | 284.22          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,292.80             | 1,819.21              | 473.59                  | 4.841             |                    |         |
| 16,900.00                               | 7,070.83            | 7,074.83            | 7,074.83            | 287.06          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,354.31             | 1,884.32              | 469.99                  | 5.009             |                    |         |
| 17,000.00                               | 7,070.84            | 7,074.84            | 7,074.84            | 289.90          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,418.39             | 1,952.04              | 466.35                  | 5.186             |                    |         |
| 17,100.00                               | 7,070.84            | 7,074.84            | 7,074.84            | 292.74          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,484.85             | 2,022.14              | 462.70                  | 5.370             |                    |         |
| 17,200.00                               | 7,070.85            | 7,074.85            | 7,074.85            | 295.58          | 245.26      | -90.00                | -1,404.79                         | -7,270.70  | 2,553.49             | 2,094.42              | 459.07                  | 5.562             |                    |         |
| 17,300.00                               | 7,070.86            | 7,074.86            | 7,074.86            | 298.42          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 2,624.15             | 2,168.68              | 455.47                  | 5.761             |                    |         |
| 17,400.00                               | 7,070.87            | 7,074.87            | 7,074.87            | 301.26          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 2,696.66             | 2,244.74              | 451.92                  | 5.967             |                    |         |
| 17,500.00                               | 7,070.88            | 7,074.88            | 7,074.88            | 304.10          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 2,770.89             | 2,322.44              | 448.44                  | 6.179             |                    |         |
| 17,600.00                               | 7,070.89            | 7,074.89            | 7,074.89            | 306.94          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 2,846.69             | 2,401.65              | 445.04                  | 6.396             |                    |         |
| 17,700.00                               | 7,070.90            | 7,074.90            | 7,074.90            | 309.78          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 2,923.95             | 2,482.22              | 441.73                  | 6.619             |                    |         |
| 17,800.00                               | 7,070.91            | 7,074.91            | 7,074.91            | 312.62          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,002.55             | 2,564.05              | 438.50                  | 6.847             |                    |         |
| 17,900.00                               | 7,070.92            | 7,074.92            | 7,074.92            | 315.46          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,082.40             | 2,647.02              | 435.37                  | 7.080             |                    |         |
| 18,000.00                               | 7,070.92            | 7,074.92            | 7,074.92            | 318.31          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,163.39             | 2,731.04              | 432.34                  | 7.317             |                    |         |
| 18,100.00                               | 7,070.93            | 7,074.93            | 7,074.93            | 321.15          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,245.43             | 2,816.03              | 429.41                  | 7.558             |                    |         |
| 18,200.00                               | 7,070.94            | 7,074.94            | 7,074.94            | 323.99          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,328.47             | 2,901.90              | 426.57                  | 7.803             |                    |         |
| 18,300.00                               | 7,070.95            | 7,074.95            | 7,074.95            | 326.83          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,412.41             | 2,988.58              | 423.82                  | 8.051             |                    |         |
| 18,400.00                               | 7,070.96            | 7,074.96            | 7,074.96            | 329.68          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,497.19             | 3,076.02              | 421.18                  | 8.303             |                    |         |
| 18,500.00                               | 7,070.97            | 7,074.97            | 7,074.97            | 332.52          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,582.76             | 3,164.14              | 418.62                  | 8.558             |                    |         |
| 18,600.00                               | 7,070.98            | 7,074.98            | 7,074.98            | 335.36          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,669.07             | 3,252.91              | 416.16                  | 8.817             |                    |         |
| 18,700.00                               | 7,070.99            | 7,074.99            | 7,074.99            | 338.21          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,756.05             | 3,342.26              | 413.78                  | 9.077             |                    |         |
| 18,800.00                               | 7,070.99            | 7,074.99            | 7,074.99            | 341.05          | 245.26      | -90.01                | -1,404.79                         | -7,270.70  | 3,843.66             | 3,432.17              | 411.49                  | 9.341             |                    |         |
| 18,858.54                               | 7,071.00            | 7,075.00            | 7,075.00            | 342.72          | 245.27      | -90.01                | -1,404.79                         | -7,270.70  | 3,895.22             | 3,485.04              | 410.19                  | 9.496             |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 10.00               | 10.00               | 3.28            | 3.28        | -88.22                | 173.67                            | -5,576.92  | 5,579.62             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 110.00              | 110.00              | 3.28            | 3.89        | -88.22                | 173.67                            | -5,576.92  | 5,579.62             | 5,572.44              | 7.18                    | 777.491           |                    |         |
| 200.00                                  | 200.00              | 210.00              | 210.00              | 3.34            | 6.48        | -88.22                | 173.67                            | -5,576.92  | 5,579.62             | 5,569.81              | 9.81                    | 568.509           |                    |         |
| 300.00                                  | 300.00              | 310.00              | 310.00              | 3.44            | 9.65        | -88.22                | 173.67                            | -5,576.92  | 5,579.62             | 5,566.53              | 13.10                   | 426.056           |                    |         |
| 400.00                                  | 399.98              | 409.98              | 409.98              | 3.60            | 12.99       | -160.71               | 173.67                            | -5,576.92  | 5,581.27             | 5,564.68              | 16.59                   | 336.446           |                    |         |
| 500.00                                  | 499.84              | 509.84              | 509.84              | 3.80            | 16.38       | -160.70               | 173.67                            | -5,576.92  | 5,586.21             | 5,566.02              | 20.19                   | 276.735           |                    |         |
| 600.00                                  | 599.45              | 609.45              | 609.45              | 4.04            | 19.80       | -160.67               | 173.67                            | -5,576.92  | 5,594.44             | 5,570.59              | 23.85                   | 234.606           |                    |         |
| 700.00                                  | 698.70              | 708.70              | 708.70              | 4.32            | 23.23       | -160.64               | 173.67                            | -5,576.92  | 5,605.94             | 5,578.40              | 27.54                   | 203.520           |                    |         |
| 800.00                                  | 797.47              | 807.47              | 807.47              | 4.63            | 26.65       | -160.59               | 173.67                            | -5,576.92  | 5,620.72             | 5,589.45              | 31.27                   | 179.769           |                    |         |
| 900.00                                  | 895.62              | 905.62              | 905.62              | 4.97            | 30.05       | -160.53               | 173.67                            | -5,576.92  | 5,638.75             | 5,603.75              | 35.00                   | 161.112           |                    |         |
| 924.00                                  | 919.08              | 929.08              | 929.08              | 5.06            | 30.86       | -160.52               | 173.67                            | -5,576.92  | 5,643.56             | 5,607.66              | 35.90                   | 157.206           |                    |         |
| 1,000.00                                | 993.28              | 1,003.28            | 1,003.28            | 5.34            | 33.44       | -160.57               | 173.67                            | -5,576.92  | 5,659.08             | 5,620.35              | 38.74                   | 146.088           |                    |         |
| 1,100.00                                | 1,090.92            | 1,100.92            | 1,100.92            | 5.73            | 36.83       | -160.64               | 173.67                            | -5,576.92  | 5,679.52             | 5,637.03              | 42.49                   | 133.669           |                    |         |
| 1,200.00                                | 1,188.56            | 1,201.44            | 1,198.56            | 6.15            | 40.33       | -160.72               | 173.67                            | -5,576.92  | 5,699.97             | 5,653.61              | 46.36                   | 122.951           |                    |         |
| 1,300.00                                | 1,286.19            | 1,303.81            | 1,296.19            | 6.57            | 43.89       | -160.79               | 173.67                            | -5,576.92  | 5,720.42             | 5,670.11              | 50.31                   | 113.707           |                    |         |
| 1,400.00                                | 1,383.83            | 1,406.17            | 1,393.83            | 7.01            | 47.46       | -160.86               | 173.67                            | -5,576.92  | 5,740.88             | 5,686.61              | 54.27                   | 105.786           |                    |         |
| 1,500.00                                | 1,481.47            | 1,508.53            | 1,491.47            | 7.46            | 51.02       | -160.93               | 173.67                            | -5,576.92  | 5,761.35             | 5,703.11              | 58.24                   | 98.925            |                    |         |
| 1,600.00                                | 1,579.10            | 1,589.10            | 1,589.10            | 7.91            | 53.83       | -161.00               | 173.67                            | -5,576.92  | 5,781.83             | 5,720.37              | 61.46                   | 94.076            |                    |         |
| 1,700.00                                | 1,676.74            | 1,686.74            | 1,686.74            | 8.37            | 57.23       | -161.07               | 173.67                            | -5,576.92  | 5,802.32             | 5,737.04              | 65.28                   | 88.884            |                    |         |
| 1,800.00                                | 1,774.38            | 1,784.38            | 1,784.38            | 8.84            | 60.64       | -161.14               | 173.67                            | -5,576.92  | 5,822.81             | 5,753.71              | 69.11                   | 84.258            |                    |         |
| 1,900.00                                | 1,872.02            | 1,882.02            | 1,882.02            | 9.31            | 64.04       | -161.20               | 173.67                            | -5,576.92  | 5,843.32             | 5,770.38              | 72.94                   | 80.113            |                    |         |
| 2,000.00                                | 1,969.65            | 1,979.65            | 1,979.65            | 9.79            | 67.44       | -161.27               | 173.67                            | -5,576.92  | 5,863.83             | 5,787.05              | 76.77                   | 76.377            |                    |         |
| 2,100.00                                | 2,067.29            | 2,077.29            | 2,077.29            | 10.27           | 70.85       | -161.34               | 173.67                            | -5,576.92  | 5,884.35             | 5,803.73              | 80.61                   | 72.994            |                    |         |
| 2,200.00                                | 2,164.93            | 2,174.93            | 2,174.93            | 10.75           | 74.25       | -161.41               | 173.67                            | -5,576.92  | 5,904.88             | 5,820.42              | 84.46                   | 69.915            |                    |         |
| 2,300.00                                | 2,262.56            | 2,272.56            | 2,272.56            | 11.24           | 77.66       | -161.47               | 173.67                            | -5,576.92  | 5,925.41             | 5,837.11              | 88.30                   | 67.103            |                    |         |
| 2,400.00                                | 2,360.20            | 2,370.20            | 2,370.20            | 11.73           | 81.06       | -161.54               | 173.67                            | -5,576.92  | 5,945.95             | 5,853.80              | 92.15                   | 64.523            |                    |         |
| 2,500.00                                | 2,457.84            | 2,467.84            | 2,467.84            | 12.22           | 84.47       | -161.60               | 173.67                            | -5,576.92  | 5,966.50             | 5,870.50              | 96.00                   | 62.150            |                    |         |
| 2,600.00                                | 2,555.48            | 2,565.48            | 2,565.48            | 12.71           | 87.88       | -161.67               | 173.67                            | -5,576.92  | 5,987.06             | 5,887.20              | 99.85                   | 59.958            |                    |         |
| 2,700.00                                | 2,653.11            | 2,663.11            | 2,663.11            | 13.20           | 91.28       | -161.73               | 173.67                            | -5,576.92  | 6,007.62             | 5,903.91              | 103.71                  | 57.928            |                    |         |
| 2,800.00                                | 2,750.75            | 2,760.75            | 2,760.75            | 13.70           | 94.69       | -161.80               | 173.67                            | -5,576.92  | 6,028.20             | 5,920.63              | 107.56                  | 56.042            |                    |         |
| 2,900.00                                | 2,848.39            | 2,858.39            | 2,858.39            | 14.19           | 98.10       | -161.86               | 173.67                            | -5,576.92  | 6,048.77             | 5,937.35              | 111.42                  | 54.287            |                    |         |
| 3,000.00                                | 2,946.02            | 2,956.02            | 2,956.02            | 14.69           | 101.50      | -161.93               | 173.67                            | -5,576.92  | 6,069.36             | 5,954.08              | 115.28                  | 52.649            |                    |         |
| 3,100.00                                | 3,043.66            | 3,053.66            | 3,053.66            | 15.19           | 104.91      | -161.99               | 173.67                            | -5,576.92  | 6,089.95             | 5,970.81              | 119.14                  | 51.116            |                    |         |
| 3,200.00                                | 3,141.30            | 3,151.30            | 3,151.30            | 15.69           | 108.32      | -162.05               | 173.67                            | -5,576.92  | 6,110.55             | 5,987.55              | 123.00                  | 49.679            |                    |         |
| 3,300.00                                | 3,238.94            | 3,248.94            | 3,248.94            | 16.19           | 111.72      | -162.11               | 173.67                            | -5,576.92  | 6,131.16             | 6,004.30              | 126.86                  | 48.329            |                    |         |
| 3,400.00                                | 3,336.57            | 3,346.57            | 3,346.57            | 16.69           | 115.13      | -162.18               | 173.67                            | -5,576.92  | 6,151.78             | 6,021.05              | 130.72                  | 47.059            |                    |         |
| 3,500.00                                | 3,434.21            | 3,444.21            | 3,444.21            | 17.19           | 118.54      | -162.24               | 173.67                            | -5,576.92  | 6,172.40             | 6,037.81              | 134.59                  | 45.862            |                    |         |
| 3,600.00                                | 3,531.85            | 3,541.85            | 3,541.85            | 17.69           | 121.94      | -162.30               | 173.67                            | -5,576.92  | 6,193.03             | 6,054.57              | 138.45                  | 44.731            |                    |         |
| 3,700.00                                | 3,629.48            | 3,639.48            | 3,639.48            | 18.20           | 125.35      | -162.36               | 173.67                            | -5,576.92  | 6,213.66             | 6,071.34              | 142.32                  | 43.661            |                    |         |
| 3,800.00                                | 3,727.12            | 3,737.12            | 3,737.12            | 18.70           | 128.76      | -162.42               | 173.67                            | -5,576.92  | 6,234.30             | 6,088.12              | 146.18                  | 42.648            |                    |         |
| 3,900.00                                | 3,824.76            | 3,834.76            | 3,834.76            | 19.21           | 132.17      | -162.48               | 173.67                            | -5,576.92  | 6,254.95             | 6,104.90              | 150.05                  | 41.687            |                    |         |
| 4,000.00                                | 3,922.40            | 3,932.40            | 3,932.40            | 19.71           | 135.57      | -162.54               | 173.67                            | -5,576.92  | 6,275.60             | 6,121.69              | 153.91                  | 40.774            |                    |         |
| 4,100.00                                | 4,020.03            | 4,030.03            | 4,030.03            | 20.21           | 138.98      | -162.60               | 173.67                            | -5,576.92  | 6,296.26             | 6,138.48              | 157.78                  | 39.906            |                    |         |
| 4,200.00                                | 4,117.67            | 4,127.67            | 4,127.67            | 20.72           | 142.39      | -162.65               | 173.67                            | -5,576.92  | 6,316.93             | 6,155.28              | 161.65                  | 39.079            |                    |         |
| 4,300.00                                | 4,215.31            | 4,225.31            | 4,225.31            | 21.23           | 145.80      | -162.71               | 173.67                            | -5,576.92  | 6,337.60             | 6,172.09              | 165.51                  | 38.291            |                    |         |
| 4,400.00                                | 4,312.94            | 4,322.94            | 4,322.94            | 21.73           | 149.20      | -162.77               | 173.67                            | -5,576.92  | 6,358.28             | 6,188.90              | 169.38                  | 37.538            |                    |         |
| 4,500.00                                | 4,410.58            | 4,420.58            | 4,420.58            | 22.24           | 152.61      | -162.83               | 173.67                            | -5,576.92  | 6,378.97             | 6,205.72              | 173.25                  | 36.820            |                    |         |
| 4,600.00                                | 4,508.22            | 4,518.22            | 4,518.22            | 22.75           | 156.02      | -162.88               | 173.67                            | -5,576.92  | 6,399.66             | 6,222.54              | 177.12                  | 36.132            |                    |         |
| 4,700.00                                | 4,605.86            | 4,615.86            | 4,615.86            | 23.25           | 159.43      | -162.94               | 173.67                            | -5,576.92  | 6,420.36             | 6,239.37              | 180.99                  | 35.474            |                    |         |
| 4,800.00                                | 4,703.49            | 4,713.49            | 4,713.49            | 23.76           | 162.84      | -163.00               | 173.67                            | -5,576.92  | 6,441.06             | 6,256.21              | 184.86                  | 34.844            |                    |         |
| 4,900.00                                | 4,801.13            | 4,811.13            | 4,811.13            | 24.27           | 166.24      | -163.05               | 173.67                            | -5,576.92  | 6,461.77             | 6,273.05              | 188.72                  | 34.239            |                    |         |
| 5,000.00                                | 4,898.77            | 4,908.77            | 4,908.77            | 24.77           | 169.65      | -163.11               | 173.67                            | -5,576.92  | 6,482.49             | 6,289.89              | 192.59                  | 33.659            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2° Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,006.40            | 5,006.40            | 25.28           | 173.06      | -163.16               | 173.67                            | -5,576.92  | 6,503.21             | 6,306.74              | 196.46                  | 33.101            |                    |         |
| 5,200.00                                | 5,094.04            | 5,104.04            | 5,104.04            | 25.79           | 176.47      | -163.22               | 173.67                            | -5,576.92  | 6,523.94             | 6,323.60              | 200.33                  | 32.565            |                    |         |
| 5,300.00                                | 5,191.68            | 5,201.68            | 5,201.68            | 26.30           | 179.88      | -163.27               | 173.67                            | -5,576.92  | 6,544.67             | 6,340.46              | 204.20                  | 32.050            |                    |         |
| 5,400.00                                | 5,289.32            | 5,300.68            | 5,299.32            | 26.81           | 183.33      | -163.33               | 173.67                            | -5,576.92  | 6,565.41             | 6,357.28              | 208.12                  | 31.546            |                    |         |
| 5,500.00                                | 5,386.95            | 5,403.05            | 5,396.95            | 27.32           | 186.90      | -163.38               | 173.67                            | -5,576.92  | 6,586.15             | 6,373.99              | 212.16                  | 31.044            |                    |         |
| 5,600.00                                | 5,484.59            | 5,505.41            | 5,494.59            | 27.83           | 190.48      | -163.43               | 173.67                            | -5,576.92  | 6,606.90             | 6,390.71              | 216.19                  | 30.560            |                    |         |
| 5,700.00                                | 5,582.23            | 5,607.77            | 5,592.23            | 28.33           | 194.05      | -163.49               | 173.67                            | -5,576.92  | 6,627.66             | 6,407.43              | 220.23                  | 30.094            |                    |         |
| 5,800.00                                | 5,679.87            | 5,689.87            | 5,689.87            | 28.84           | 196.92      | -163.54               | 173.67                            | -5,576.92  | 6,648.42             | 6,424.86              | 223.56                  | 29.739            |                    |         |
| 5,900.00                                | 5,777.50            | 5,787.50            | 5,787.50            | 29.35           | 200.32      | -163.59               | 173.67                            | -5,576.92  | 6,669.18             | 6,441.75              | 227.43                  | 29.324            |                    |         |
| 6,000.00                                | 5,875.14            | 5,885.14            | 5,885.14            | 29.86           | 203.73      | -163.65               | 173.67                            | -5,576.92  | 6,689.95             | 6,458.65              | 231.30                  | 28.923            |                    |         |
| 6,100.00                                | 5,972.78            | 5,982.78            | 5,982.78            | 30.37           | 207.14      | -163.70               | 173.67                            | -5,576.92  | 6,710.73             | 6,475.56              | 235.17                  | 28.535            |                    |         |
| 6,200.00                                | 6,070.41            | 6,080.41            | 6,080.41            | 30.88           | 210.55      | -163.75               | 173.67                            | -5,576.92  | 6,731.51             | 6,492.47              | 239.05                  | 28.160            |                    |         |
| 6,300.00                                | 6,168.05            | 6,178.05            | 6,178.05            | 31.39           | 213.96      | -163.80               | 173.67                            | -5,576.92  | 6,752.30             | 6,509.38              | 242.92                  | 27.797            |                    |         |
| 6,400.00                                | 6,265.69            | 6,275.69            | 6,275.69            | 31.90           | 217.36      | -163.85               | 173.67                            | -5,576.92  | 6,773.09             | 6,526.30              | 246.79                  | 27.445            |                    |         |
| 6,439.09                                | 6,303.85            | 6,313.85            | 6,313.85            | 32.10           | 218.70      | -163.87               | 173.67                            | -5,576.92  | 6,781.22             | 6,532.92              | 248.30                  | 27.310            |                    |         |
| 6,450.00                                | 6,314.53            | 6,324.53            | 6,324.53            | 32.16           | 219.07      | -162.40               | 173.67                            | -5,576.92  | 6,783.40             | 6,534.67              | 248.73                  | 27.273            |                    |         |
| 6,500.00                                | 6,363.83            | 6,373.83            | 6,373.83            | 32.39           | 220.79      | -150.99               | 173.67                            | -5,576.92  | 6,791.02             | 6,540.35              | 250.67                  | 27.092            |                    |         |
| 6,550.00                                | 6,413.58            | 6,423.58            | 6,423.58            | 32.60           | 222.53      | -118.43               | 173.67                            | -5,576.92  | 6,794.75             | 6,542.13              | 252.62                  | 26.897            |                    |         |
| 6,600.00                                | 6,463.45            | 6,473.45            | 6,473.45            | 32.79           | 224.27      | -57.62                | 173.67                            | -5,576.92  | 6,794.56             | 6,540.01              | 254.55                  | 26.692            |                    |         |
| 6,650.00                                | 6,513.15            | 6,523.15            | 6,523.15            | 32.97           | 226.00      | -30.16                | 173.67                            | -5,576.92  | 6,790.45             | 6,534.00              | 256.46                  | 26.478            |                    |         |
| 6,700.00                                | 6,562.37            | 6,572.37            | 6,572.37            | 33.15           | 227.72      | -20.21                | 173.67                            | -5,576.92  | 6,782.45             | 6,524.12              | 258.33                  | 26.255            |                    |         |
| 6,750.00                                | 6,610.80            | 6,620.80            | 6,620.80            | 33.34           | 229.41      | -15.45                | 173.67                            | -5,576.92  | 6,770.61             | 6,510.46              | 260.15                  | 26.026            |                    |         |
| 6,800.00                                | 6,658.14            | 6,668.14            | 6,668.14            | 33.53           | 231.06      | -12.75                | 173.67                            | -5,576.92  | 6,754.99             | 6,493.07              | 261.92                  | 25.790            |                    |         |
| 6,850.00                                | 6,704.11            | 6,714.11            | 6,714.11            | 33.74           | 232.67      | -11.06                | 173.67                            | -5,576.92  | 6,735.71             | 6,472.08              | 263.63                  | 25.550            |                    |         |
| 6,900.00                                | 6,748.42            | 6,758.42            | 6,758.42            | 33.97           | 234.21      | -9.94                 | 173.67                            | -5,576.92  | 6,712.87             | 6,447.61              | 265.25                  | 25.307            |                    |         |
| 6,950.00                                | 6,790.79            | 6,800.79            | 6,800.79            | 34.21           | 235.69      | -9.19                 | 173.67                            | -5,576.92  | 6,686.61             | 6,419.81              | 266.80                  | 25.062            |                    |         |
| 7,000.00                                | 6,830.97            | 6,840.97            | 6,840.97            | 34.48           | 237.10      | -8.69                 | 173.67                            | -5,576.92  | 6,657.11             | 6,388.86              | 268.25                  | 24.817            |                    |         |
| 7,050.00                                | 6,868.71            | 6,878.71            | 6,878.71            | 34.77           | 238.41      | -8.39                 | 173.67                            | -5,576.92  | 6,624.53             | 6,354.93              | 269.60                  | 24.571            |                    |         |
| 7,100.00                                | 6,903.77            | 6,913.77            | 6,913.77            | 35.09           | 239.64      | -8.26                 | 173.67                            | -5,576.92  | 6,589.09             | 6,318.24              | 270.85                  | 24.328            |                    |         |
| 7,150.00                                | 6,935.93            | 6,945.93            | 6,945.93            | 35.44           | 240.76      | -8.28                 | 173.67                            | -5,576.92  | 6,550.99             | 6,279.01              | 271.98                  | 24.086            |                    |         |
| 7,200.00                                | 6,965.01            | 6,975.01            | 6,975.01            | 35.83           | 241.77      | -8.47                 | 173.67                            | -5,576.92  | 6,510.48             | 6,237.48              | 273.00                  | 23.848            |                    |         |
| 7,250.00                                | 6,990.82            | 7,000.82            | 7,000.82            | 36.26           | 242.68      | -8.86                 | 173.67                            | -5,576.92  | 6,467.80             | 6,193.91              | 273.89                  | 23.614            |                    |         |
| 7,300.00                                | 7,013.20            | 7,023.20            | 7,023.20            | 36.72           | 243.46      | -9.52                 | 173.67                            | -5,576.92  | 6,423.22             | 6,148.56              | 274.66                  | 23.386            |                    |         |
| 7,350.00                                | 7,032.02            | 7,042.02            | 7,042.02            | 37.23           | 244.11      | -10.58                | 173.67                            | -5,576.92  | 6,377.01             | 6,101.71              | 275.30                  | 23.164            |                    |         |
| 7,400.00                                | 7,047.15            | 7,057.15            | 7,057.15            | 37.77           | 244.64      | -12.38                | 173.67                            | -5,576.92  | 6,329.46             | 6,053.64              | 275.82                  | 22.948            |                    |         |
| 7,450.00                                | 7,058.51            | 7,068.51            | 7,068.51            | 38.34           | 245.04      | -15.71                | 173.67                            | -5,576.92  | 6,280.85             | 6,004.66              | 276.20                  | 22.741            |                    |         |
| 7,500.00                                | 7,066.02            | 7,076.02            | 7,076.02            | 38.95           | 245.30      | -23.38                | 173.67                            | -5,576.92  | 6,231.50             | 5,955.05              | 276.45                  | 22.541            |                    |         |
| 7,550.00                                | 7,069.64            | 7,079.64            | 7,079.64            | 39.58           | 245.43      | -52.43                | 173.67                            | -5,576.92  | 6,181.69             | 5,905.13              | 276.57                  | 22.352            |                    |         |
| 7,571.20                                | 7,070.00            | 7,080.00            | 7,080.00            | 39.85           | 245.44      | -89.88                | 173.67                            | -5,576.92  | 6,160.52             | 5,883.94              | 276.58                  | 22.274            |                    |         |
| 7,600.00                                | 7,070.00            | 7,080.00            | 7,080.00            | 40.23           | 245.44      | -89.88                | 173.67                            | -5,576.92  | 6,131.74             | 5,855.16              | 276.58                  | 22.170            |                    |         |
| 7,700.00                                | 7,070.01            | 7,080.01            | 7,080.01            | 41.64           | 245.44      | -89.88                | 173.67                            | -5,576.92  | 6,031.83             | 5,755.25              | 276.58                  | 21.809            |                    |         |
| 7,800.00                                | 7,070.02            | 7,080.02            | 7,080.02            | 43.20           | 245.44      | -89.88                | 173.67                            | -5,576.92  | 5,931.92             | 5,655.34              | 276.58                  | 21.447            |                    |         |
| 7,900.00                                | 7,070.03            | 7,080.03            | 7,080.03            | 44.89           | 245.44      | -89.88                | 173.67                            | -5,576.92  | 5,832.01             | 5,555.42              | 276.59                  | 21.086            |                    |         |
| 8,000.00                                | 7,070.04            | 7,080.04            | 7,080.04            | 46.69           | 245.44      | -89.89                | 173.67                            | -5,576.92  | 5,732.11             | 5,455.51              | 276.60                  | 20.724            |                    |         |
| 8,100.00                                | 7,070.05            | 7,080.05            | 7,080.05            | 48.60           | 245.44      | -89.89                | 173.67                            | -5,576.92  | 5,632.21             | 5,355.60              | 276.60                  | 20.362            |                    |         |
| 8,200.00                                | 7,070.05            | 7,080.05            | 7,080.05            | 50.59           | 245.44      | -89.89                | 173.67                            | -5,576.92  | 5,532.31             | 5,255.70              | 276.62                  | 20.000            |                    |         |
| 8,300.00                                | 7,070.06            | 7,080.06            | 7,080.06            | 52.66           | 245.44      | -89.89                | 173.67                            | -5,576.92  | 5,432.42             | 5,155.79              | 276.63                  | 19.638            |                    |         |
| 8,400.00                                | 7,070.07            | 7,080.07            | 7,080.07            | 54.81           | 245.44      | -89.89                | 173.67                            | -5,576.92  | 5,332.53             | 5,055.88              | 276.64                  | 19.276            |                    |         |
| 8,500.00                                | 7,070.08            | 7,080.08            | 7,080.08            | 57.02           | 245.44      | -89.90                | 173.67                            | -5,576.92  | 5,232.64             | 4,955.98              | 276.66                  | 18.913            |                    |         |
| 8,600.00                                | 7,070.09            | 7,080.09            | 7,080.09            | 59.28           | 245.44      | -89.90                | 173.67                            | -5,576.92  | 5,132.76             | 4,856.08              | 276.68                  | 18.551            |                    |         |
| 8,700.00                                | 7,070.10            | 7,080.10            | 7,080.10            | 61.60           | 245.44      | -89.90                | 173.67                            | -5,576.92  | 5,032.89             | 4,756.18              | 276.71                  | 18.189            |                    |         |
| 8,800.00                                | 7,070.11            | 7,080.11            | 7,080.11            | 63.95           | 245.44      | -89.90                | 173.67                            | -5,576.92  | 4,933.02             | 4,656.29              | 276.73                  | 17.826            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                           | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|---------------------------|--------------------|---------|
| Survey Program: 100-2° Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                           | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                           | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor         |                    |         |
| 8,900.00                                | 7,070.12            | 7,080.12            | 7,080.12            | 66.35           | 245.44      | -89.90                | 173.67                            | -5,576.92  | 4,833.15             | 4,556.39              | 276.76                  | 17.463                    |                    |         |
| 9,000.00                                | 7,070.13            | 7,080.13            | 7,080.13            | 68.79           | 245.44      | -89.91                | 173.67                            | -5,576.92  | 4,733.29             | 4,456.50              | 276.79                  | 17.100                    |                    |         |
| 9,100.00                                | 7,070.13            | 7,080.13            | 7,080.13            | 71.25           | 245.44      | -89.91                | 173.67                            | -5,576.92  | 4,633.44             | 4,356.61              | 276.83                  | 16.737                    |                    |         |
| 9,200.00                                | 7,070.14            | 7,080.14            | 7,080.14            | 73.74           | 245.44      | -89.91                | 173.67                            | -5,576.92  | 4,533.60             | 4,256.72              | 276.87                  | 16.374                    |                    |         |
| 9,300.00                                | 7,070.15            | 7,080.15            | 7,080.15            | 76.26           | 245.44      | -89.91                | 173.67                            | -5,576.92  | 4,433.76             | 4,156.84              | 276.91                  | 16.011                    |                    |         |
| 9,400.00                                | 7,070.16            | 7,080.16            | 7,080.16            | 78.80           | 245.45      | -89.91                | 173.67                            | -5,576.92  | 4,333.92             | 4,056.96              | 276.96                  | 15.648                    |                    |         |
| 9,500.00                                | 7,070.17            | 7,080.17            | 7,080.17            | 81.37           | 245.45      | -89.92                | 173.67                            | -5,576.92  | 4,234.10             | 3,957.08              | 277.02                  | 15.285                    |                    |         |
| 9,600.00                                | 7,070.18            | 7,080.18            | 7,080.18            | 83.95           | 245.45      | -89.92                | 173.67                            | -5,576.92  | 4,134.28             | 3,857.21              | 277.07                  | 14.921                    |                    |         |
| 9,700.00                                | 7,070.19            | 7,080.19            | 7,080.19            | 86.55           | 245.45      | -89.92                | 173.67                            | -5,576.92  | 4,034.48             | 3,757.34              | 277.14                  | 14.558                    |                    |         |
| 9,800.00                                | 7,070.20            | 7,080.20            | 7,080.20            | 89.17           | 245.45      | -89.92                | 173.67                            | -5,576.92  | 3,934.68             | 3,657.47              | 277.21                  | 14.194                    |                    |         |
| 9,900.00                                | 7,070.21            | 7,080.21            | 7,080.21            | 91.80           | 245.45      | -89.92                | 173.67                            | -5,576.92  | 3,834.89             | 3,557.61              | 277.28                  | 13.830                    |                    |         |
| 10,000.00                               | 7,070.21            | 7,080.21            | 7,080.21            | 94.44           | 245.45      | -89.93                | 173.67                            | -5,576.92  | 3,735.12             | 3,457.75              | 277.37                  | 13.466                    |                    |         |
| 10,100.00                               | 7,070.22            | 7,080.22            | 7,080.22            | 97.10           | 245.45      | -89.93                | 173.67                            | -5,576.92  | 3,635.35             | 3,357.90              | 277.46                  | 13.102                    |                    |         |
| 10,200.00                               | 7,070.23            | 7,080.23            | 7,080.23            | 99.77           | 245.45      | -89.93                | 173.67                            | -5,576.92  | 3,535.61             | 3,258.05              | 277.56                  | 12.738                    |                    |         |
| 10,300.00                               | 7,070.24            | 7,080.24            | 7,080.24            | 102.44          | 245.45      | -89.93                | 173.67                            | -5,576.92  | 3,435.87             | 3,158.20              | 277.67                  | 12.374                    |                    |         |
| 10,400.00                               | 7,070.25            | 7,080.25            | 7,080.25            | 105.13          | 245.45      | -89.93                | 173.67                            | -5,576.92  | 3,336.15             | 3,058.36              | 277.79                  | 12.010                    |                    |         |
| 10,500.00                               | 7,070.26            | 7,080.26            | 7,080.26            | 107.83          | 245.45      | -89.94                | 173.67                            | -5,576.92  | 3,236.45             | 2,958.53              | 277.92                  | 11.645                    |                    |         |
| 10,600.00                               | 7,070.27            | 7,080.27            | 7,080.27            | 110.53          | 245.45      | -89.94                | 173.67                            | -5,576.92  | 3,136.77             | 2,858.70              | 278.07                  | 11.280                    |                    |         |
| 10,700.00                               | 7,070.28            | 7,080.28            | 7,080.28            | 113.24          | 245.45      | -89.94                | 173.67                            | -5,576.92  | 3,037.11             | 2,758.87              | 278.24                  | 10.916                    |                    |         |
| 10,800.00                               | 7,070.28            | 7,080.28            | 7,080.28            | 115.96          | 245.45      | -89.94                | 173.67                            | -5,576.92  | 2,937.47             | 2,659.05              | 278.42                  | 10.551                    |                    |         |
| 10,900.00                               | 7,070.29            | 7,080.29            | 7,080.29            | 118.69          | 245.45      | -89.94                | 173.67                            | -5,576.92  | 2,837.85             | 2,559.23              | 278.62                  | 10.185                    |                    |         |
| 11,000.00                               | 7,070.30            | 7,080.30            | 7,080.30            | 121.42          | 245.45      | -89.95                | 173.67                            | -5,576.92  | 2,738.27             | 2,459.42              | 278.85                  | 9.820                     |                    |         |
| 11,100.00                               | 7,070.31            | 7,080.31            | 7,080.31            | 124.16          | 245.45      | -89.95                | 173.67                            | -5,576.92  | 2,638.72             | 2,359.62              | 279.10                  | 9.454                     |                    |         |
| 11,200.00                               | 7,070.32            | 7,080.32            | 7,080.32            | 126.90          | 245.45      | -89.95                | 173.67                            | -5,576.92  | 2,539.20             | 2,259.81              | 279.39                  | 9.089                     |                    |         |
| 11,300.00                               | 7,070.33            | 7,080.33            | 7,080.33            | 129.65          | 245.45      | -89.95                | 173.67                            | -5,576.92  | 2,439.72             | 2,160.01              | 279.71                  | 8.722                     |                    |         |
| 11,400.00                               | 7,070.34            | 7,080.34            | 7,080.34            | 132.40          | 245.45      | -89.95                | 173.67                            | -5,576.92  | 2,340.28             | 2,060.21              | 280.07                  | 8.356                     |                    |         |
| 11,500.00                               | 7,070.35            | 7,080.35            | 7,080.35            | 135.16          | 245.45      | -89.96                | 173.67                            | -5,576.92  | 2,240.90             | 1,960.42              | 280.48                  | 7.989                     |                    |         |
| 11,600.00                               | 7,070.36            | 7,080.36            | 7,080.36            | 137.92          | 245.45      | -89.96                | 173.67                            | -5,576.92  | 2,141.57             | 1,860.62              | 280.96                  | 7.622                     |                    |         |
| 11,700.00                               | 7,070.36            | 7,080.36            | 7,080.36            | 140.69          | 245.45      | -89.96                | 173.67                            | -5,576.92  | 2,042.31             | 1,760.81              | 281.50                  | 7.255                     |                    |         |
| 11,800.00                               | 7,070.37            | 7,080.37            | 7,080.37            | 143.46          | 245.45      | -89.96                | 173.67                            | -5,576.92  | 1,943.13             | 1,661.00              | 282.12                  | 6.888                     |                    |         |
| 11,900.00                               | 7,070.38            | 7,080.38            | 7,080.38            | 146.23          | 245.45      | -89.96                | 173.67                            | -5,576.92  | 1,844.03             | 1,561.18              | 282.85                  | 6.520                     |                    |         |
| 12,000.00                               | 7,070.39            | 7,080.39            | 7,080.39            | 149.01          | 245.45      | -89.97                | 173.67                            | -5,576.92  | 1,745.03             | 1,461.34              | 283.69                  | 6.151                     |                    |         |
| 12,100.00                               | 7,070.40            | 7,080.40            | 7,080.40            | 151.79          | 245.45      | -89.97                | 173.67                            | -5,576.92  | 1,646.16             | 1,361.48              | 284.68                  | 5.783                     |                    |         |
| 12,200.00                               | 7,070.41            | 7,080.41            | 7,080.41            | 154.57          | 245.45      | -89.97                | 173.67                            | -5,576.92  | 1,547.43             | 1,261.59              | 285.85                  | 5.414                     |                    |         |
| 12,300.00                               | 7,070.42            | 7,080.42            | 7,080.42            | 157.35          | 245.45      | -89.97                | 173.67                            | -5,576.92  | 1,448.88             | 1,161.64              | 287.23                  | 5.044                     |                    |         |
| 12,400.00                               | 7,070.43            | 7,080.43            | 7,080.43            | 160.14          | 245.45      | -89.97                | 173.67                            | -5,576.92  | 1,350.54             | 1,061.64              | 288.90                  | 4.675                     |                    |         |
| 12,500.00                               | 7,070.44            | 7,080.44            | 7,080.44            | 162.93          | 245.45      | -89.98                | 173.67                            | -5,576.92  | 1,252.46             | 961.55                | 290.91                  | 4.305                     |                    |         |
| 12,600.00                               | 7,070.44            | 7,080.44            | 7,080.44            | 165.72          | 245.46      | -89.98                | 173.67                            | -5,576.92  | 1,154.71             | 861.35                | 293.36                  | 3.936                     |                    |         |
| 12,700.00                               | 7,070.45            | 7,080.45            | 7,080.45            | 168.52          | 245.46      | -89.98                | 173.67                            | -5,576.92  | 1,057.38             | 760.99                | 296.39                  | 3.568                     |                    |         |
| 12,800.00                               | 7,070.46            | 7,080.46            | 7,080.46            | 171.32          | 245.46      | -89.98                | 173.67                            | -5,576.92  | 960.60               | 660.44                | 300.16                  | 3.200                     |                    |         |
| 12,900.00                               | 7,070.47            | 7,080.47            | 7,080.47            | 174.11          | 245.46      | -89.98                | 173.67                            | -5,576.92  | 864.56               | 559.63                | 304.93                  | 2.835                     |                    |         |
| 13,000.00                               | 7,070.48            | 7,080.48            | 7,080.48            | 176.92          | 245.46      | -89.99                | 173.67                            | -5,576.92  | 769.52               | 458.48                | 311.04                  | 2.474                     |                    |         |
| 13,100.00                               | 7,070.49            | 7,080.49            | 7,080.49            | 179.72          | 245.46      | -89.99                | 173.67                            | -5,576.92  | 675.91               | 356.90                | 319.02                  | 2.119                     |                    |         |
| 13,200.00                               | 7,070.50            | 7,080.50            | 7,080.50            | 182.52          | 245.46      | -89.99                | 173.67                            | -5,576.92  | 584.43               | 254.82                | 329.61                  | 1.773                     |                    |         |
| 13,300.00                               | 7,070.51            | 7,080.51            | 7,080.51            | 185.33          | 245.46      | -89.99                | 173.67                            | -5,576.92  | 496.25               | 152.33                | 343.92                  | 1.443 Level 3             |                    |         |
| 13,400.00                               | 7,070.52            | 7,080.52            | 7,080.52            | 188.14          | 245.46      | -89.99                | 173.67                            | -5,576.92  | 413.48               | 50.07                 | 363.41                  | 1.138 Level 2             |                    |         |
| 13,500.00                               | 7,070.52            | 7,080.52            | 7,080.52            | 190.95          | 245.46      | -90.00                | 173.67                            | -5,576.92  | 340.10               | -49.16                | 389.26                  | 0.874 Level 1             |                    |         |
| 13,600.00                               | 7,070.53            | 7,080.53            | 7,080.53            | 193.76          | 245.46      | -90.00                | 173.67                            | -5,576.92  | 283.50               | -135.77               | 419.26                  | 0.676 Level 1             |                    |         |
| 13,700.00                               | 7,070.54            | 7,080.54            | 7,080.54            | 196.57          | 245.46      | -90.00                | 173.67                            | -5,576.92  | 255.09               | -185.85               | 440.94                  | 0.579 Level 1             |                    |         |
| 13,726.49                               | 7,070.54            | 7,080.54            | 7,080.54            | 197.31          | 245.46      | -90.00                | 173.67                            | -5,576.92  | 253.71               | -189.06               | 442.77                  | 0.573 Level 1, CC, ES, SF |                    |         |
| 13,800.00                               | 7,070.55            | 7,080.55            | 7,080.55            | 199.38          | 245.46      | -90.00                | 173.67                            | -5,576.92  | 264.15               | -173.18               | 437.33                  | 0.604 Level 1             |                    |         |
| 13,900.00                               | 7,070.56            | 7,080.56            | 7,080.56            | 202.20          | 245.46      | -90.00                | 173.67                            | -5,576.92  | 307.37               | -106.33               | 413.70                  | 0.743 Level 1             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2° Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,080.57            | 7,080.57            | 205.01          | 245.46      | -90.01                | 173.67                            | -5,576.92  | 373.07               | -14.31                | 387.37                  | 0.963             | Level 1            |         |
| 14,100.00                               | 7,070.58            | 7,080.58            | 7,080.58            | 207.83          | 245.46      | -90.01                | 173.67                            | -5,576.92  | 451.53               | 85.66                 | 365.87                  | 1.234             | Level 2            |         |
| 14,200.00                               | 7,070.59            | 7,080.59            | 7,080.59            | 210.65          | 245.46      | -90.01                | 173.67                            | -5,576.92  | 537.20               | 187.54                | 349.66                  | 1.536             |                    |         |
| 14,300.00                               | 7,070.60            | 7,080.60            | 7,080.60            | 213.47          | 245.46      | -90.01                | 173.67                            | -5,576.92  | 627.12               | 289.58                | 337.55                  | 1.858             |                    |         |
| 14,400.00                               | 7,070.60            | 7,080.60            | 7,080.60            | 216.29          | 245.46      | -90.01                | 173.67                            | -5,576.92  | 719.71               | 391.33                | 328.38                  | 2.192             |                    |         |
| 14,500.00                               | 7,070.61            | 7,080.61            | 7,080.61            | 219.11          | 245.46      | -90.02                | 173.67                            | -5,576.92  | 814.06               | 492.74                | 321.32                  | 2.534             |                    |         |
| 14,600.00                               | 7,070.62            | 7,080.62            | 7,080.62            | 221.94          | 245.46      | -90.02                | 173.67                            | -5,576.92  | 909.61               | 593.84                | 315.77                  | 2.881             |                    |         |
| 14,700.00                               | 7,070.63            | 7,080.63            | 7,080.63            | 224.76          | 245.46      | -90.02                | 173.67                            | -5,576.92  | 1,006.03             | 694.68                | 311.35                  | 3.231             |                    |         |
| 14,800.00                               | 7,070.64            | 7,080.64            | 7,080.64            | 227.58          | 245.46      | -90.02                | 173.67                            | -5,576.92  | 1,103.08             | 795.32                | 307.76                  | 3.584             |                    |         |
| 14,900.00                               | 7,070.65            | 7,080.65            | 7,080.65            | 230.41          | 245.46      | -90.02                | 173.67                            | -5,576.92  | 1,200.62             | 895.81                | 304.82                  | 3.939             |                    |         |
| 15,000.00                               | 7,070.66            | 7,080.66            | 7,080.66            | 233.24          | 245.46      | -90.03                | 173.67                            | -5,576.92  | 1,298.54             | 996.17                | 302.37                  | 4.295             |                    |         |
| 15,100.00                               | 7,070.67            | 7,080.67            | 7,080.67            | 236.06          | 245.46      | -90.03                | 173.67                            | -5,576.92  | 1,396.75             | 1,096.43              | 300.32                  | 4.651             |                    |         |
| 15,200.00                               | 7,070.68            | 7,080.68            | 7,080.68            | 238.89          | 245.46      | -90.03                | 173.67                            | -5,576.92  | 1,495.19             | 1,196.61              | 298.58                  | 5.008             |                    |         |
| 15,300.00                               | 7,070.68            | 7,080.68            | 7,080.68            | 241.72          | 245.46      | -90.03                | 173.67                            | -5,576.92  | 1,593.83             | 1,296.73              | 297.10                  | 5.365             |                    |         |
| 15,400.00                               | 7,070.69            | 7,080.69            | 7,080.69            | 244.55          | 245.46      | -90.03                | 173.67                            | -5,576.92  | 1,692.63             | 1,396.81              | 295.83                  | 5.722             |                    |         |
| 15,500.00                               | 7,070.70            | 7,080.70            | 7,080.70            | 247.38          | 245.46      | -90.04                | 173.67                            | -5,576.92  | 1,791.57             | 1,496.84              | 294.73                  | 6.079             |                    |         |
| 15,600.00                               | 7,070.71            | 7,080.71            | 7,080.71            | 250.21          | 245.46      | -90.04                | 173.67                            | -5,576.92  | 1,890.61             | 1,596.84              | 293.77                  | 6.436             |                    |         |
| 15,700.00                               | 7,070.72            | 7,080.72            | 7,080.72            | 253.04          | 245.46      | -90.04                | 173.67                            | -5,576.92  | 1,989.75             | 1,696.82              | 292.94                  | 6.792             |                    |         |
| 15,800.00                               | 7,070.73            | 7,080.73            | 7,080.73            | 255.87          | 245.47      | -90.04                | 173.67                            | -5,576.92  | 2,088.97             | 1,796.77              | 292.20                  | 7.149             |                    |         |
| 15,900.00                               | 7,070.74            | 7,080.74            | 7,080.74            | 258.71          | 245.47      | -90.04                | 173.67                            | -5,576.92  | 2,188.27             | 1,896.71              | 291.56                  | 7.505             |                    |         |
| 16,000.00                               | 7,070.75            | 7,080.75            | 7,080.75            | 261.54          | 245.47      | -90.05                | 173.67                            | -5,576.92  | 2,287.62             | 1,996.63              | 290.99                  | 7.861             |                    |         |
| 16,100.00                               | 7,070.76            | 7,080.76            | 7,080.76            | 264.37          | 245.47      | -90.05                | 173.67                            | -5,576.92  | 2,387.03             | 2,096.54              | 290.49                  | 8.217             |                    |         |
| 16,200.00                               | 7,070.76            | 7,080.76            | 7,080.76            | 267.21          | 245.47      | -90.05                | 173.67                            | -5,576.92  | 2,486.49             | 2,196.44              | 290.05                  | 8.573             |                    |         |
| 16,300.00                               | 7,070.77            | 7,080.77            | 7,080.77            | 270.04          | 245.47      | -90.05                | 173.67                            | -5,576.92  | 2,585.99             | 2,296.34              | 289.65                  | 8.928             |                    |         |
| 16,400.00                               | 7,070.78            | 7,080.78            | 7,080.78            | 272.88          | 245.47      | -90.05                | 173.67                            | -5,576.92  | 2,685.52             | 2,396.22              | 289.30                  | 9.283             |                    |         |
| 16,500.00                               | 7,070.79            | 7,080.79            | 7,080.79            | 275.71          | 245.47      | -90.06                | 173.67                            | -5,576.92  | 2,785.09             | 2,496.10              | 288.99                  | 9.637             |                    |         |
| 16,600.00                               | 7,070.80            | 7,080.80            | 7,080.80            | 278.55          | 245.47      | -90.06                | 173.67                            | -5,576.92  | 2,884.69             | 2,595.98              | 288.71                  | 9.992             |                    |         |
| 16,700.00                               | 7,070.81            | 7,080.81            | 7,080.81            | 281.39          | 245.47      | -90.06                | 173.67                            | -5,576.92  | 2,984.31             | 2,695.86              | 288.46                  | 10.346            |                    |         |
| 16,800.00                               | 7,070.82            | 7,080.82            | 7,080.82            | 284.22          | 245.47      | -90.06                | 173.67                            | -5,576.92  | 3,083.96             | 2,795.73              | 288.24                  | 10.699            |                    |         |
| 16,900.00                               | 7,070.83            | 7,080.83            | 7,080.83            | 287.06          | 245.47      | -90.06                | 173.67                            | -5,576.92  | 3,183.64             | 2,895.59              | 288.04                  | 11.053            |                    |         |
| 17,000.00                               | 7,070.84            | 7,080.84            | 7,080.84            | 289.90          | 245.47      | -90.07                | 173.67                            | -5,576.92  | 3,283.33             | 2,995.46              | 287.87                  | 11.406            |                    |         |
| 17,100.00                               | 7,070.84            | 7,080.84            | 7,080.84            | 292.74          | 245.47      | -90.07                | 173.67                            | -5,576.92  | 3,383.04             | 3,095.33              | 287.71                  | 11.758            |                    |         |
| 17,200.00                               | 7,070.85            | 7,080.85            | 7,080.85            | 295.58          | 245.47      | -90.07                | 173.67                            | -5,576.92  | 3,482.76             | 3,195.19              | 287.57                  | 12.111            |                    |         |
| 17,300.00                               | 7,070.86            | 7,080.86            | 7,080.86            | 298.42          | 245.47      | -90.07                | 173.67                            | -5,576.92  | 3,582.51             | 3,295.05              | 287.45                  | 12.463            |                    |         |
| 17,400.00                               | 7,070.87            | 7,080.87            | 7,080.87            | 301.26          | 245.47      | -90.07                | 173.67                            | -5,576.92  | 3,682.26             | 3,394.91              | 287.35                  | 12.815            |                    |         |
| 17,500.00                               | 7,070.88            | 7,080.88            | 7,080.88            | 304.10          | 245.47      | -90.08                | 173.67                            | -5,576.92  | 3,782.03             | 3,494.77              | 287.26                  | 13.166            |                    |         |
| 17,600.00                               | 7,070.89            | 7,080.89            | 7,080.89            | 306.94          | 245.47      | -90.08                | 173.67                            | -5,576.92  | 3,881.81             | 3,594.63              | 287.18                  | 13.517            |                    |         |
| 17,700.00                               | 7,070.90            | 7,080.90            | 7,080.90            | 309.78          | 245.47      | -90.08                | 173.67                            | -5,576.92  | 3,981.60             | 3,694.49              | 287.11                  | 13.868            |                    |         |
| 17,800.00                               | 7,070.91            | 7,080.91            | 7,080.91            | 312.62          | 245.47      | -90.08                | 173.67                            | -5,576.92  | 4,081.40             | 3,794.35              | 287.05                  | 14.218            |                    |         |
| 17,900.00                               | 7,070.92            | 7,080.92            | 7,080.92            | 315.46          | 245.47      | -90.08                | 173.67                            | -5,576.92  | 4,181.21             | 3,894.21              | 287.00                  | 14.569            |                    |         |
| 18,000.00                               | 7,070.92            | 7,080.92            | 7,080.92            | 318.31          | 245.47      | -90.09                | 173.67                            | -5,576.92  | 4,281.03             | 3,994.07              | 286.96                  | 14.918            |                    |         |
| 18,100.00                               | 7,070.93            | 7,080.93            | 7,080.93            | 321.15          | 245.47      | -90.09                | 173.67                            | -5,576.92  | 4,380.86             | 4,093.93              | 286.93                  | 15.268            |                    |         |
| 18,200.00                               | 7,070.94            | 7,080.94            | 7,080.94            | 323.99          | 245.47      | -90.09                | 173.67                            | -5,576.92  | 4,480.70             | 4,193.79              | 286.91                  | 15.617            |                    |         |
| 18,300.00                               | 7,070.95            | 7,080.95            | 7,080.95            | 326.83          | 245.47      | -90.09                | 173.67                            | -5,576.92  | 4,580.54             | 4,293.65              | 286.90                  | 15.966            |                    |         |
| 18,400.00                               | 7,070.96            | 7,080.96            | 7,080.96            | 329.68          | 245.47      | -90.09                | 173.67                            | -5,576.92  | 4,680.39             | 4,393.50              | 286.89                  | 16.314            |                    |         |
| 18,500.00                               | 7,070.97            | 7,080.97            | 7,080.97            | 332.52          | 245.47      | -90.10                | 173.67                            | -5,576.92  | 4,780.25             | 4,493.36              | 286.88                  | 16.663            |                    |         |
| 18,600.00                               | 7,070.98            | 7,080.98            | 7,080.98            | 335.36          | 245.47      | -90.10                | 173.67                            | -5,576.92  | 4,880.11             | 4,593.22              | 286.89                  | 17.010            |                    |         |
| 18,700.00                               | 7,070.99            | 7,080.99            | 7,080.99            | 338.21          | 245.47      | -90.10                | 173.67                            | -5,576.92  | 4,979.98             | 4,693.08              | 286.90                  | 17.358            |                    |         |
| 18,800.00                               | 7,070.99            | 7,080.99            | 7,080.99            | 341.05          | 245.47      | -90.10                | 173.67                            | -5,576.92  | 5,079.85             | 4,792.94              | 286.91                  | 17.705            |                    |         |
| 18,858.54                               | 7,071.00            | 7,081.00            | 7,081.00            | 342.72          | 245.47      | -90.10                | 173.67                            | -5,576.92  | 5,138.32             | 4,851.40              | 286.92                  | 17.908            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 16.00               | 16.00               | 3.28            | 3.29        | -90.02                | -1.25                             | -3,232.32  | 3,232.32             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 116.00              | 116.00              | 3.28            | 4.01        | -90.02                | -1.25                             | -3,232.32  | 3,232.32             | 3,225.03              | 7.29                    | 443.204           |                    |         |
| 200.00                                  | 200.00              | 216.00              | 216.00              | 3.34            | 6.66        | -90.02                | -1.25                             | -3,232.32  | 3,232.32             | 3,222.33              | 10.00                   | 323.363           |                    |         |
| 300.00                                  | 300.00              | 316.00              | 316.00              | 3.44            | 9.85        | -90.02                | -1.25                             | -3,232.32  | 3,232.32             | 3,219.03              | 13.29                   | 243.155           |                    |         |
| 400.00                                  | 399.98              | 415.98              | 415.98              | 3.60            | 13.19       | -162.52               | -1.25                             | -3,232.32  | 3,233.99             | 3,217.19              | 16.79                   | 192.594           |                    |         |
| 500.00                                  | 499.84              | 515.84              | 515.84              | 3.80            | 16.59       | -162.52               | -1.25                             | -3,232.32  | 3,238.98             | 3,218.59              | 20.39                   | 158.840           |                    |         |
| 600.00                                  | 599.45              | 615.45              | 615.45              | 4.04            | 20.01       | -162.52               | -1.25                             | -3,232.32  | 3,247.29             | 3,223.24              | 24.05                   | 135.006           |                    |         |
| 700.00                                  | 698.70              | 714.70              | 714.70              | 4.32            | 23.44       | -162.51               | -1.25                             | -3,232.32  | 3,258.93             | 3,231.17              | 27.75                   | 117.428           |                    |         |
| 800.00                                  | 797.47              | 813.47              | 813.47              | 4.63            | 26.85       | -162.50               | -1.25                             | -3,232.32  | 3,273.86             | 3,242.39              | 31.47                   | 104.016           |                    |         |
| 900.00                                  | 895.62              | 911.62              | 911.62              | 4.97            | 30.26       | -162.49               | -1.25                             | -3,232.32  | 3,292.09             | 3,256.88              | 35.21                   | 93.505            |                    |         |
| 924.00                                  | 919.08              | 935.08              | 935.08              | 5.06            | 31.07       | -162.49               | -1.25                             | -3,232.32  | 3,296.95             | 3,260.84              | 36.11                   | 91.309            |                    |         |
| 1,000.00                                | 993.28              | 1,009.28            | 1,009.28            | 5.34            | 33.65       | -162.57               | -1.25                             | -3,232.32  | 3,312.65             | 3,273.70              | 38.95                   | 85.057            |                    |         |
| 1,100.00                                | 1,090.92            | 1,106.92            | 1,106.92            | 5.73            | 37.04       | -162.68               | -1.25                             | -3,232.32  | 3,333.32             | 3,290.62              | 42.70                   | 78.067            |                    |         |
| 1,200.00                                | 1,188.56            | 1,204.56            | 1,204.56            | 6.15            | 40.44       | -162.79               | -1.25                             | -3,232.32  | 3,354.00             | 3,307.53              | 46.47                   | 72.180            |                    |         |
| 1,300.00                                | 1,286.19            | 1,302.19            | 1,302.19            | 6.57            | 43.84       | -162.90               | -1.25                             | -3,232.32  | 3,374.69             | 3,324.43              | 50.25                   | 67.157            |                    |         |
| 1,400.00                                | 1,383.83            | 1,400.17            | 1,399.83            | 7.01            | 47.25       | -163.01               | -1.25                             | -3,232.32  | 3,395.39             | 3,341.33              | 54.06                   | 62.810            |                    |         |
| 1,500.00                                | 1,481.47            | 1,502.53            | 1,497.47            | 7.46            | 50.81       | -163.11               | -1.25                             | -3,232.32  | 3,416.10             | 3,358.07              | 58.03                   | 58.870            |                    |         |
| 1,600.00                                | 1,579.10            | 1,604.90            | 1,595.10            | 7.91            | 54.38       | -163.22               | -1.25                             | -3,232.32  | 3,436.83             | 3,374.82              | 62.01                   | 55.427            |                    |         |
| 1,700.00                                | 1,676.74            | 1,707.26            | 1,692.74            | 8.37            | 57.95       | -163.32               | -1.25                             | -3,232.32  | 3,457.56             | 3,391.57              | 65.99                   | 52.394            |                    |         |
| 1,800.00                                | 1,774.38            | 1,809.62            | 1,790.38            | 8.84            | 61.52       | -163.42               | -1.25                             | -3,232.32  | 3,478.31             | 3,408.32              | 69.98                   | 49.703            |                    |         |
| 1,900.00                                | 1,872.02            | 1,888.02            | 1,888.02            | 9.31            | 64.25       | -163.52               | -1.25                             | -3,232.32  | 3,499.06             | 3,425.92              | 73.14                   | 47.839            |                    |         |
| 2,000.00                                | 1,969.65            | 1,985.65            | 1,985.65            | 9.79            | 67.65       | -163.62               | -1.25                             | -3,232.32  | 3,519.83             | 3,442.85              | 76.98                   | 45.725            |                    |         |
| 2,100.00                                | 2,067.29            | 2,083.29            | 2,083.29            | 10.27           | 71.06       | -163.72               | -1.25                             | -3,232.32  | 3,540.61             | 3,459.79              | 80.82                   | 43.810            |                    |         |
| 2,200.00                                | 2,164.93            | 2,180.93            | 2,180.93            | 10.75           | 74.46       | -163.82               | -1.25                             | -3,232.32  | 3,561.39             | 3,476.73              | 84.66                   | 42.067            |                    |         |
| 2,300.00                                | 2,262.56            | 2,278.56            | 2,278.56            | 11.24           | 77.87       | -163.91               | -1.25                             | -3,232.32  | 3,582.19             | 3,493.69              | 88.50                   | 40.475            |                    |         |
| 2,400.00                                | 2,360.20            | 2,376.20            | 2,376.20            | 11.73           | 81.27       | -164.01               | -1.25                             | -3,232.32  | 3,603.00             | 3,510.64              | 92.35                   | 39.014            |                    |         |
| 2,500.00                                | 2,457.84            | 2,473.84            | 2,473.84            | 12.22           | 84.68       | -164.10               | -1.25                             | -3,232.32  | 3,623.81             | 3,527.61              | 96.20                   | 37.669            |                    |         |
| 2,600.00                                | 2,555.48            | 2,571.48            | 2,571.48            | 12.71           | 88.09       | -164.20               | -1.25                             | -3,232.32  | 3,644.64             | 3,544.58              | 100.05                  | 36.427            |                    |         |
| 2,700.00                                | 2,653.11            | 2,669.11            | 2,669.11            | 13.20           | 91.49       | -164.29               | -1.25                             | -3,232.32  | 3,665.47             | 3,561.56              | 103.91                  | 35.276            |                    |         |
| 2,800.00                                | 2,750.75            | 2,766.75            | 2,766.75            | 13.70           | 94.90       | -164.38               | -1.25                             | -3,232.32  | 3,686.31             | 3,578.55              | 107.76                  | 34.208            |                    |         |
| 2,900.00                                | 2,848.39            | 2,864.39            | 2,864.39            | 14.19           | 98.31       | -164.47               | -1.25                             | -3,232.32  | 3,707.16             | 3,595.55              | 111.62                  | 33.213            |                    |         |
| 3,000.00                                | 2,946.02            | 2,962.02            | 2,962.02            | 14.69           | 101.71      | -164.56               | -1.25                             | -3,232.32  | 3,728.02             | 3,612.55              | 115.48                  | 32.284            |                    |         |
| 3,100.00                                | 3,043.66            | 3,059.66            | 3,059.66            | 15.19           | 105.12      | -164.65               | -1.25                             | -3,232.32  | 3,748.89             | 3,629.56              | 119.33                  | 31.415            |                    |         |
| 3,200.00                                | 3,141.30            | 3,157.30            | 3,157.30            | 15.69           | 108.53      | -164.73               | -1.25                             | -3,232.32  | 3,769.77             | 3,646.57              | 123.19                  | 30.600            |                    |         |
| 3,300.00                                | 3,238.94            | 3,254.94            | 3,254.94            | 16.19           | 111.93      | -164.82               | -1.25                             | -3,232.32  | 3,790.65             | 3,663.60              | 127.06                  | 29.835            |                    |         |
| 3,400.00                                | 3,336.57            | 3,352.57            | 3,352.57            | 16.69           | 115.34      | -164.90               | -1.25                             | -3,232.32  | 3,811.55             | 3,680.63              | 130.92                  | 29.114            |                    |         |
| 3,500.00                                | 3,434.21            | 3,450.21            | 3,450.21            | 17.19           | 118.75      | -164.99               | -1.25                             | -3,232.32  | 3,832.45             | 3,697.67              | 134.78                  | 28.435            |                    |         |
| 3,600.00                                | 3,531.85            | 3,547.85            | 3,547.85            | 17.69           | 122.15      | -165.07               | -1.25                             | -3,232.32  | 3,853.36             | 3,714.72              | 138.64                  | 27.794            |                    |         |
| 3,700.00                                | 3,629.48            | 3,645.48            | 3,645.48            | 18.20           | 125.56      | -165.15               | -1.25                             | -3,232.32  | 3,874.27             | 3,731.77              | 142.51                  | 27.187            |                    |         |
| 3,800.00                                | 3,727.12            | 3,743.12            | 3,743.12            | 18.70           | 128.97      | -165.23               | -1.25                             | -3,232.32  | 3,895.20             | 3,748.83              | 146.37                  | 26.612            |                    |         |
| 3,900.00                                | 3,824.76            | 3,840.76            | 3,840.76            | 19.21           | 132.38      | -165.31               | -1.25                             | -3,232.32  | 3,916.13             | 3,765.90              | 150.23                  | 26.067            |                    |         |
| 4,000.00                                | 3,922.40            | 3,938.40            | 3,938.40            | 19.71           | 135.78      | -165.39               | -1.25                             | -3,232.32  | 3,937.07             | 3,782.97              | 154.10                  | 25.549            |                    |         |
| 4,100.00                                | 4,020.03            | 4,036.03            | 4,036.03            | 20.21           | 139.19      | -165.47               | -1.25                             | -3,232.32  | 3,958.02             | 3,800.05              | 157.97                  | 25.056            |                    |         |
| 4,200.00                                | 4,117.67            | 4,133.67            | 4,133.67            | 20.72           | 142.60      | -165.55               | -1.25                             | -3,232.32  | 3,978.97             | 3,817.14              | 161.83                  | 24.587            |                    |         |
| 4,300.00                                | 4,215.31            | 4,231.31            | 4,231.31            | 21.23           | 146.01      | -165.63               | -1.25                             | -3,232.32  | 3,999.93             | 3,834.23              | 165.70                  | 24.140            |                    |         |
| 4,400.00                                | 4,312.94            | 4,328.94            | 4,328.94            | 21.73           | 149.41      | -165.70               | -1.25                             | -3,232.32  | 4,020.90             | 3,851.33              | 169.57                  | 23.713            |                    |         |
| 4,500.00                                | 4,410.58            | 4,426.58            | 4,426.58            | 22.24           | 152.82      | -165.78               | -1.25                             | -3,232.32  | 4,041.87             | 3,868.44              | 173.43                  | 23.305            |                    |         |
| 4,600.00                                | 4,508.22            | 4,524.22            | 4,524.22            | 22.75           | 156.23      | -165.85               | -1.25                             | -3,232.32  | 4,062.85             | 3,885.55              | 177.30                  | 22.915            |                    |         |
| 4,700.00                                | 4,605.86            | 4,621.86            | 4,621.86            | 23.25           | 159.64      | -165.93               | -1.25                             | -3,232.32  | 4,083.84             | 3,902.67              | 181.17                  | 22.542            |                    |         |
| 4,800.00                                | 4,703.49            | 4,719.49            | 4,719.49            | 23.76           | 163.05      | -166.00               | -1.25                             | -3,232.32  | 4,104.83             | 3,919.79              | 185.04                  | 22.184            |                    |         |
| 4,900.00                                | 4,801.13            | 4,817.13            | 4,817.13            | 24.27           | 166.45      | -166.07               | -1.25                             | -3,232.32  | 4,125.83             | 3,936.93              | 188.91                  | 21.841            |                    |         |
| 5,000.00                                | 4,898.77            | 4,914.77            | 4,914.77            | 24.77           | 169.86      | -166.15               | -1.25                             | -3,232.32  | 4,146.84             | 3,954.06              | 192.77                  | 21.511            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,012.40            | 5,012.40            | 25.28           | 173.27      | -166.22               | -1.25                             | -3,232.32  | 4,167.85             | 3,971.21              | 196.64                  | 21.195            |                    |         |
| 5,200.00                                | 5,094.04            | 5,110.04            | 5,110.04            | 25.79           | 176.68      | -166.29               | -1.25                             | -3,232.32  | 4,188.87             | 3,988.36              | 200.51                  | 20.891            |                    |         |
| 5,300.00                                | 5,191.68            | 5,207.68            | 5,207.68            | 26.30           | 180.08      | -166.36               | -1.25                             | -3,232.32  | 4,209.89             | 4,005.51              | 204.38                  | 20.598            |                    |         |
| 5,400.00                                | 5,289.32            | 5,305.32            | 5,305.32            | 26.81           | 183.49      | -166.43               | -1.25                             | -3,232.32  | 4,230.92             | 4,022.67              | 208.25                  | 20.316            |                    |         |
| 5,500.00                                | 5,386.95            | 5,402.95            | 5,402.95            | 27.32           | 186.90      | -166.49               | -1.25                             | -3,232.32  | 4,251.96             | 4,039.84              | 212.12                  | 20.045            |                    |         |
| 5,600.00                                | 5,484.59            | 5,500.59            | 5,500.59            | 27.83           | 190.31      | -166.56               | -1.25                             | -3,232.32  | 4,273.00             | 4,057.01              | 215.99                  | 19.783            |                    |         |
| 5,700.00                                | 5,582.23            | 5,601.77            | 5,598.23            | 28.33           | 193.84      | -166.63               | -1.25                             | -3,232.32  | 4,294.05             | 4,074.06              | 219.99                  | 19.520            |                    |         |
| 5,800.00                                | 5,679.87            | 5,704.14            | 5,695.87            | 28.84           | 197.41      | -166.70               | -1.25                             | -3,232.32  | 4,315.10             | 4,091.08              | 224.02                  | 19.262            |                    |         |
| 5,900.00                                | 5,777.50            | 5,806.50            | 5,793.50            | 29.35           | 200.99      | -166.76               | -1.25                             | -3,232.32  | 4,336.16             | 4,108.10              | 228.06                  | 19.013            |                    |         |
| 6,000.00                                | 5,875.14            | 5,908.86            | 5,891.14            | 29.86           | 204.56      | -166.83               | -1.25                             | -3,232.32  | 4,357.23             | 4,125.13              | 232.09                  | 18.774            |                    |         |
| 6,100.00                                | 5,972.78            | 5,988.78            | 5,988.78            | 30.37           | 207.35      | -166.89               | -1.25                             | -3,232.32  | 4,378.29             | 4,142.95              | 235.35                  | 18.604            |                    |         |
| 6,200.00                                | 6,070.41            | 6,086.41            | 6,086.41            | 30.88           | 210.76      | -166.95               | -1.25                             | -3,232.32  | 4,399.37             | 4,160.15              | 239.22                  | 18.391            |                    |         |
| 6,300.00                                | 6,168.05            | 6,184.05            | 6,184.05            | 31.39           | 214.17      | -167.02               | -1.25                             | -3,232.32  | 4,420.45             | 4,177.36              | 243.09                  | 18.184            |                    |         |
| 6,400.00                                | 6,265.69            | 6,281.69            | 6,281.69            | 31.90           | 217.57      | -167.08               | -1.25                             | -3,232.32  | 4,441.53             | 4,194.57              | 246.96                  | 17.985            |                    |         |
| 6,439.09                                | 6,303.85            | 6,319.85            | 6,319.85            | 32.10           | 218.91      | -167.10               | -1.25                             | -3,232.32  | 4,449.78             | 4,201.30              | 248.47                  | 17.908            |                    |         |
| 6,450.00                                | 6,314.53            | 6,330.53            | 6,330.53            | 32.16           | 219.28      | -165.62               | -1.25                             | -3,232.32  | 4,451.99             | 4,203.09              | 248.90                  | 17.887            |                    |         |
| 6,500.00                                | 6,363.83            | 6,379.83            | 6,379.83            | 32.39           | 221.00      | -154.18               | -1.25                             | -3,232.32  | 4,459.77             | 4,208.93              | 250.84                  | 17.779            |                    |         |
| 6,550.00                                | 6,413.58            | 6,429.58            | 6,429.58            | 32.60           | 222.74      | -121.61               | -1.25                             | -3,232.32  | 4,463.67             | 4,210.88              | 252.79                  | 17.658            |                    |         |
| 6,600.00                                | 6,463.45            | 6,479.45            | 6,479.45            | 32.79           | 224.48      | -60.82                | -1.25                             | -3,232.32  | 4,463.66             | 4,208.94              | 254.72                  | 17.524            |                    |         |
| 6,650.00                                | 6,513.15            | 6,529.15            | 6,529.15            | 32.97           | 226.21      | -33.39                | -1.25                             | -3,232.32  | 4,459.75             | 4,203.13              | 256.63                  | 17.378            |                    |         |
| 6,700.00                                | 6,562.37            | 6,578.37            | 6,578.37            | 33.15           | 227.93      | -23.50                | -1.25                             | -3,232.32  | 4,451.96             | 4,193.47              | 258.50                  | 17.222            |                    |         |
| 6,750.00                                | 6,610.80            | 6,626.80            | 6,626.80            | 33.34           | 229.62      | -18.83                | -1.25                             | -3,232.32  | 4,440.34             | 4,180.02              | 260.32                  | 17.057            |                    |         |
| 6,800.00                                | 6,658.14            | 6,674.14            | 6,674.14            | 33.53           | 231.27      | -16.25                | -1.25                             | -3,232.32  | 4,424.97             | 4,162.87              | 262.10                  | 16.883            |                    |         |
| 6,850.00                                | 6,704.11            | 6,720.11            | 6,720.11            | 33.74           | 232.88      | -14.70                | -1.25                             | -3,232.32  | 4,405.93             | 4,142.13              | 263.80                  | 16.702            |                    |         |
| 6,900.00                                | 6,748.42            | 6,764.42            | 6,764.42            | 33.97           | 234.42      | -13.77                | -1.25                             | -3,232.32  | 4,383.34             | 4,117.91              | 265.43                  | 16.514            |                    |         |
| 6,950.00                                | 6,790.79            | 6,806.79            | 6,806.79            | 34.21           | 235.90      | -13.25                | -1.25                             | -3,232.32  | 4,357.35             | 4,090.38              | 266.97                  | 16.321            |                    |         |
| 7,000.00                                | 6,830.97            | 6,846.97            | 6,846.97            | 34.48           | 237.31      | -13.03                | -1.25                             | -3,232.32  | 4,328.12             | 4,059.69              | 268.43                  | 16.124            |                    |         |
| 7,050.00                                | 6,868.71            | 6,884.71            | 6,884.71            | 34.77           | 238.62      | -13.09                | -1.25                             | -3,232.32  | 4,295.83             | 4,026.05              | 269.78                  | 15.923            |                    |         |
| 7,100.00                                | 6,903.77            | 6,919.77            | 6,919.77            | 35.09           | 239.85      | -13.39                | -1.25                             | -3,232.32  | 4,260.67             | 3,989.64              | 271.03                  | 15.720            |                    |         |
| 7,150.00                                | 6,935.93            | 6,951.93            | 6,951.93            | 35.44           | 240.97      | -13.97                | -1.25                             | -3,232.32  | 4,222.87             | 3,950.71              | 272.16                  | 15.516            |                    |         |
| 7,200.00                                | 6,965.01            | 6,981.01            | 6,981.01            | 35.83           | 241.98      | -14.87                | -1.25                             | -3,232.32  | 4,182.65             | 3,909.47              | 273.18                  | 15.311            |                    |         |
| 7,250.00                                | 6,990.82            | 7,006.82            | 7,006.82            | 36.26           | 242.89      | -16.20                | -1.25                             | -3,232.32  | 4,140.28             | 3,866.20              | 274.08                  | 15.106            |                    |         |
| 7,300.00                                | 7,013.20            | 7,029.20            | 7,029.20            | 36.72           | 243.67      | -18.13                | -1.25                             | -3,232.32  | 4,096.00             | 3,821.14              | 274.85                  | 14.903            |                    |         |
| 7,350.00                                | 7,032.02            | 7,048.02            | 7,048.02            | 37.23           | 244.32      | -20.99                | -1.25                             | -3,232.32  | 4,050.09             | 3,774.59              | 275.50                  | 14.701            |                    |         |
| 7,400.00                                | 7,047.15            | 7,063.15            | 7,063.15            | 37.77           | 244.85      | -25.42                | -1.25                             | -3,232.32  | 4,002.83             | 3,726.82              | 276.02                  | 14.502            |                    |         |
| 7,450.00                                | 7,058.51            | 7,074.51            | 7,074.51            | 38.34           | 245.25      | -32.86                | -1.25                             | -3,232.32  | 3,954.52             | 3,678.12              | 276.40                  | 14.307            |                    |         |
| 7,500.00                                | 7,066.02            | 7,082.02            | 7,082.02            | 38.95           | 245.51      | -46.66                | -1.25                             | -3,232.32  | 3,905.46             | 3,628.79              | 276.66                  | 14.116            |                    |         |
| 7,550.00                                | 7,069.64            | 7,085.64            | 7,085.64            | 39.58           | 245.64      | -73.75                | -1.25                             | -3,232.32  | 3,855.93             | 3,579.14              | 276.79                  | 13.931            |                    |         |
| 7,571.20                                | 7,070.00            | 7,086.00            | 7,086.00            | 39.85           | 245.65      | -89.95                | -1.25                             | -3,232.32  | 3,834.88             | 3,558.07              | 276.81                  | 13.854            |                    |         |
| 7,600.00                                | 7,070.00            | 7,086.00            | 7,086.00            | 40.23           | 245.65      | -89.96                | -1.25                             | -3,232.32  | 3,806.25             | 3,529.44              | 276.81                  | 13.750            |                    |         |
| 7,700.00                                | 7,070.01            | 7,086.01            | 7,086.01            | 41.64           | 245.65      | -89.96                | -1.25                             | -3,232.32  | 3,706.91             | 3,430.07              | 276.84                  | 13.390            |                    |         |
| 7,800.00                                | 7,070.02            | 7,086.02            | 7,086.02            | 43.20           | 245.65      | -89.96                | -1.25                             | -3,232.32  | 3,607.60             | 3,330.73              | 276.87                  | 13.030            |                    |         |
| 7,900.00                                | 7,070.03            | 7,086.03            | 7,086.03            | 44.89           | 245.65      | -89.96                | -1.25                             | -3,232.32  | 3,508.33             | 3,231.42              | 276.91                  | 12.670            |                    |         |
| 8,000.00                                | 7,070.04            | 7,086.04            | 7,086.04            | 46.69           | 245.65      | -89.96                | -1.25                             | -3,232.32  | 3,409.11             | 3,132.15              | 276.96                  | 12.309            |                    |         |
| 8,100.00                                | 7,070.05            | 7,086.05            | 7,086.05            | 48.60           | 245.65      | -89.96                | -1.25                             | -3,232.32  | 3,309.93             | 3,032.91              | 277.02                  | 11.948            |                    |         |
| 8,200.00                                | 7,070.05            | 7,086.05            | 7,086.05            | 50.59           | 245.65      | -89.96                | -1.25                             | -3,232.32  | 3,210.80             | 2,933.70              | 277.10                  | 11.587            |                    |         |
| 8,300.00                                | 7,070.06            | 7,086.06            | 7,086.06            | 52.66           | 245.65      | -89.96                | -1.25                             | -3,232.32  | 3,111.73             | 2,834.54              | 277.19                  | 11.226            |                    |         |
| 8,400.00                                | 7,070.07            | 7,086.07            | 7,086.07            | 54.81           | 245.65      | -89.96                | -1.25                             | -3,232.32  | 3,012.71             | 2,735.42              | 277.30                  | 10.865            |                    |         |
| 8,500.00                                | 7,070.08            | 7,086.08            | 7,086.08            | 57.02           | 245.65      | -89.97                | -1.25                             | -3,232.32  | 2,913.77             | 2,636.35              | 277.42                  | 10.503            |                    |         |
| 8,600.00                                | 7,070.09            | 7,086.09            | 7,086.09            | 59.28           | 245.65      | -89.97                | -1.25                             | -3,232.32  | 2,814.90             | 2,537.33              | 277.57                  | 10.141            |                    |         |
| 8,700.00                                | 7,070.10            | 7,086.10            | 7,086.10            | 61.60           | 245.65      | -89.97                | -1.25                             | -3,232.32  | 2,716.11             | 2,438.37              | 277.75                  | 9.779             |                    |         |
| 8,800.00                                | 7,070.11            | 7,086.11            | 7,086.11            | 63.95           | 245.65      | -89.97                | -1.25                             | -3,232.32  | 2,617.42             | 2,339.47              | 277.95                  | 9.417             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                       | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-----------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                       | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                       |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor     |                    |         |
| 8,900.00                                | 7,070.12            | 7,086.12            | 7,086.12            | 66.35           | 245.65      | -89.97                | -1.25                             | -3,232.32  | 2,518.83             | 2,240.64              | 278.19                  | 9.054                 |                    |         |
| 9,000.00                                | 7,070.13            | 7,086.13            | 7,086.13            | 68.79           | 245.65      | -89.97                | -1.25                             | -3,232.32  | 2,420.35             | 2,141.88              | 278.48                  | 8.691                 |                    |         |
| 9,100.00                                | 7,070.13            | 7,086.13            | 7,086.13            | 71.25           | 245.65      | -89.97                | -1.25                             | -3,232.32  | 2,322.01             | 2,043.20              | 278.81                  | 8.328                 |                    |         |
| 9,200.00                                | 7,070.14            | 7,086.14            | 7,086.14            | 73.74           | 245.65      | -89.97                | -1.25                             | -3,232.32  | 2,223.81             | 1,944.61              | 279.20                  | 7.965                 |                    |         |
| 9,300.00                                | 7,070.15            | 7,086.15            | 7,086.15            | 76.26           | 245.65      | -89.98                | -1.25                             | -3,232.32  | 2,125.78             | 1,846.13              | 279.65                  | 7.601                 |                    |         |
| 9,400.00                                | 7,070.16            | 7,086.16            | 7,086.16            | 78.80           | 245.65      | -89.98                | -1.25                             | -3,232.32  | 2,027.94             | 1,747.75              | 280.19                  | 7.238                 |                    |         |
| 9,500.00                                | 7,070.17            | 7,086.17            | 7,086.17            | 81.37           | 245.66      | -89.98                | -1.25                             | -3,232.32  | 1,930.32             | 1,649.50              | 280.83                  | 6.874                 |                    |         |
| 9,600.00                                | 7,070.18            | 7,086.18            | 7,086.18            | 83.95           | 245.66      | -89.98                | -1.25                             | -3,232.32  | 1,832.97             | 1,551.39              | 281.58                  | 6.510                 |                    |         |
| 9,700.00                                | 7,070.19            | 7,086.19            | 7,086.19            | 86.55           | 245.66      | -89.98                | -1.25                             | -3,232.32  | 1,735.91             | 1,453.44              | 282.47                  | 6.145                 |                    |         |
| 9,800.00                                | 7,070.20            | 7,086.20            | 7,086.20            | 89.17           | 245.66      | -89.98                | -1.25                             | -3,232.32  | 1,639.20             | 1,355.67              | 283.53                  | 5.781                 |                    |         |
| 9,900.00                                | 7,070.21            | 7,086.21            | 7,086.21            | 91.80           | 245.66      | -89.98                | -1.25                             | -3,232.32  | 1,542.92             | 1,258.12              | 284.80                  | 5.418                 |                    |         |
| 10,000.00                               | 7,070.21            | 7,086.21            | 7,086.21            | 94.44           | 245.66      | -89.98                | -1.25                             | -3,232.32  | 1,447.14             | 1,160.82              | 286.31                  | 5.054                 |                    |         |
| 10,100.00                               | 7,070.22            | 7,086.22            | 7,086.22            | 97.10           | 245.66      | -89.98                | -1.25                             | -3,232.32  | 1,351.96             | 1,063.82              | 288.14                  | 4.692                 |                    |         |
| 10,200.00                               | 7,070.23            | 7,086.23            | 7,086.23            | 99.77           | 245.66      | -89.99                | -1.25                             | -3,232.32  | 1,257.54             | 967.20                | 290.35                  | 4.331                 |                    |         |
| 10,300.00                               | 7,070.24            | 7,086.24            | 7,086.24            | 102.44          | 245.66      | -89.99                | -1.25                             | -3,232.32  | 1,164.06             | 871.03                | 293.02                  | 3.973                 |                    |         |
| 10,400.00                               | 7,070.25            | 7,086.25            | 7,086.25            | 105.13          | 245.66      | -89.99                | -1.25                             | -3,232.32  | 1,071.75             | 775.46                | 296.28                  | 3.617                 |                    |         |
| 10,500.00                               | 7,070.26            | 7,086.26            | 7,086.26            | 107.83          | 245.66      | -89.99                | -1.25                             | -3,232.32  | 980.94               | 680.67                | 300.27                  | 3.267                 |                    |         |
| 10,600.00                               | 7,070.27            | 7,086.27            | 7,086.27            | 110.53          | 245.66      | -89.99                | -1.25                             | -3,232.32  | 892.11               | 586.93                | 305.18                  | 2.923                 |                    |         |
| 10,700.00                               | 7,070.28            | 7,086.28            | 7,086.28            | 113.24          | 245.66      | -89.99                | -1.25                             | -3,232.32  | 805.89               | 494.68                | 311.21                  | 2.590                 |                    |         |
| 10,800.00                               | 7,070.28            | 7,086.28            | 7,086.28            | 115.96          | 245.66      | -89.99                | -1.25                             | -3,232.32  | 723.24               | 404.61                | 318.63                  | 2.270                 |                    |         |
| 10,900.00                               | 7,070.29            | 7,086.29            | 7,086.29            | 118.69          | 245.66      | -89.99                | -1.25                             | -3,232.32  | 645.51               | 317.84                | 327.67                  | 1.970                 |                    |         |
| 11,000.00                               | 7,070.30            | 7,086.30            | 7,086.30            | 121.42          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 574.71               | 236.29                | 338.42                  | 1.698                 |                    |         |
| 11,100.00                               | 7,070.31            | 7,086.31            | 7,086.31            | 124.16          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 513.72               | 163.13                | 350.58                  | 1.465 Level 3         |                    |         |
| 11,200.00                               | 7,070.32            | 7,086.32            | 7,086.32            | 126.90          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 466.38               | 103.45                | 362.94                  | 1.285 Level 3         |                    |         |
| 11,300.00                               | 7,070.33            | 7,086.33            | 7,086.33            | 129.65          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 437.18               | 64.13                 | 373.04                  | 1.172 Level 2         |                    |         |
| 11,381.95                               | 7,070.34            | 7,086.34            | 7,086.34            | 131.91          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 429.43               | 51.86                 | 377.57                  | 1.137 Level 2, CC     |                    |         |
| 11,400.00                               | 7,070.34            | 7,086.34            | 7,086.34            | 132.40          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 429.80               | 51.83                 | 377.98                  | 1.137 Level 2, ES, SF |                    |         |
| 11,500.00                               | 7,070.35            | 7,086.35            | 7,086.35            | 135.16          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 445.35               | 68.94                 | 376.41                  | 1.183 Level 2         |                    |         |
| 11,600.00                               | 7,070.36            | 7,086.36            | 7,086.36            | 137.92          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 481.61               | 111.87                | 369.75                  | 1.303 Level 3         |                    |         |
| 11,700.00                               | 7,070.36            | 7,086.36            | 7,086.36            | 140.69          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 534.38               | 173.73                | 360.65                  | 1.482 Level 3         |                    |         |
| 11,800.00                               | 7,070.37            | 7,086.37            | 7,086.37            | 143.46          | 245.66      | -90.00                | -1.25                             | -3,232.32  | 599.31               | 248.06                | 351.25                  | 1.706                 |                    |         |
| 11,900.00                               | 7,070.38            | 7,086.38            | 7,086.38            | 146.23          | 245.66      | -90.01                | -1.25                             | -3,232.32  | 672.89               | 330.26                | 342.63                  | 1.964                 |                    |         |
| 12,000.00                               | 7,070.39            | 7,086.39            | 7,086.39            | 149.01          | 245.66      | -90.01                | -1.25                             | -3,232.32  | 752.59               | 417.45                | 335.14                  | 2.246                 |                    |         |
| 12,100.00                               | 7,070.40            | 7,086.40            | 7,086.40            | 151.79          | 245.66      | -90.01                | -1.25                             | -3,232.32  | 836.66               | 507.87                | 328.79                  | 2.545                 |                    |         |
| 12,200.00                               | 7,070.41            | 7,086.41            | 7,086.41            | 154.57          | 245.66      | -90.01                | -1.25                             | -3,232.32  | 923.91               | 600.47                | 323.44                  | 2.856                 |                    |         |
| 12,300.00                               | 7,070.42            | 7,086.42            | 7,086.42            | 157.35          | 245.66      | -90.01                | -1.25                             | -3,232.32  | 1,013.52             | 694.57                | 318.94                  | 3.178                 |                    |         |
| 12,400.00                               | 7,070.43            | 7,086.43            | 7,086.43            | 160.14          | 245.66      | -90.01                | -1.25                             | -3,232.32  | 1,104.91             | 789.76                | 315.15                  | 3.506                 |                    |         |
| 12,500.00                               | 7,070.44            | 7,086.44            | 7,086.44            | 162.93          | 245.66      | -90.01                | -1.25                             | -3,232.32  | 1,197.68             | 885.76                | 311.92                  | 3.840                 |                    |         |
| 12,600.00                               | 7,070.44            | 7,086.44            | 7,086.44            | 165.72          | 245.66      | -90.01                | -1.25                             | -3,232.32  | 1,291.53             | 982.36                | 309.17                  | 4.177                 |                    |         |
| 12,700.00                               | 7,070.45            | 7,086.45            | 7,086.45            | 168.52          | 245.66      | -90.02                | -1.25                             | -3,232.32  | 1,386.24             | 1,079.44              | 306.80                  | 4.518                 |                    |         |
| 12,800.00                               | 7,070.46            | 7,086.46            | 7,086.46            | 171.32          | 245.67      | -90.02                | -1.25                             | -3,232.32  | 1,481.64             | 1,176.89              | 304.75                  | 4.862                 |                    |         |
| 12,900.00                               | 7,070.47            | 7,086.47            | 7,086.47            | 174.11          | 245.67      | -90.02                | -1.25                             | -3,232.32  | 1,577.62             | 1,274.65              | 302.97                  | 5.207                 |                    |         |
| 13,000.00                               | 7,070.48            | 7,086.48            | 7,086.48            | 176.92          | 245.67      | -90.02                | -1.25                             | -3,232.32  | 1,674.06             | 1,372.65              | 301.41                  | 5.554                 |                    |         |
| 13,100.00                               | 7,070.49            | 7,086.49            | 7,086.49            | 179.72          | 245.67      | -90.02                | -1.25                             | -3,232.32  | 1,770.90             | 1,470.86              | 300.04                  | 5.902                 |                    |         |
| 13,200.00                               | 7,070.50            | 7,086.50            | 7,086.50            | 182.52          | 245.67      | -90.02                | -1.25                             | -3,232.32  | 1,868.07             | 1,569.25              | 298.83                  | 6.251                 |                    |         |
| 13,300.00                               | 7,070.51            | 7,086.51            | 7,086.51            | 185.33          | 245.67      | -90.02                | -1.25                             | -3,232.32  | 1,965.53             | 1,667.78              | 297.75                  | 6.601                 |                    |         |
| 13,400.00                               | 7,070.52            | 7,086.52            | 7,086.52            | 188.14          | 245.67      | -90.02                | -1.25                             | -3,232.32  | 2,063.23             | 1,766.44              | 296.79                  | 6.952                 |                    |         |
| 13,500.00                               | 7,070.52            | 7,086.52            | 7,086.52            | 190.95          | 245.67      | -90.03                | -1.25                             | -3,232.32  | 2,161.14             | 1,865.21              | 295.94                  | 7.303                 |                    |         |
| 13,600.00                               | 7,070.53            | 7,086.53            | 7,086.53            | 193.76          | 245.67      | -90.03                | -1.25                             | -3,232.32  | 2,259.23             | 1,964.07              | 295.17                  | 7.654                 |                    |         |
| 13,700.00                               | 7,070.54            | 7,086.54            | 7,086.54            | 196.57          | 245.67      | -90.03                | -1.25                             | -3,232.32  | 2,357.49             | 2,063.01              | 294.48                  | 8.006                 |                    |         |
| 13,800.00                               | 7,070.55            | 7,086.55            | 7,086.55            | 199.38          | 245.67      | -90.03                | -1.25                             | -3,232.32  | 2,455.88             | 2,162.03              | 293.85                  | 8.358                 |                    |         |
| 13,900.00                               | 7,070.56            | 7,086.56            | 7,086.56            | 202.20          | 245.67      | -90.03                | -1.25                             | -3,232.32  | 2,554.40             | 2,261.11              | 293.29                  | 8.710                 |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,086.57            | 7,086.57            | 205.01          | 245.67      | -90.03                | -1.25                             | -3,232.32  | 2,653.03             | 2,360.26              | 292.78                  | 9.062             |                    |         |
| 14,100.00                               | 7,070.58            | 7,086.58            | 7,086.58            | 207.83          | 245.67      | -90.03                | -1.25                             | -3,232.32  | 2,751.76             | 2,459.45              | 292.31                  | 9.414             |                    |         |
| 14,200.00                               | 7,070.59            | 7,086.59            | 7,086.59            | 210.65          | 245.67      | -90.03                | -1.25                             | -3,232.32  | 2,850.58             | 2,558.69              | 291.89                  | 9.766             |                    |         |
| 14,300.00                               | 7,070.60            | 7,086.60            | 7,086.60            | 213.47          | 245.67      | -90.03                | -1.25                             | -3,232.32  | 2,949.48             | 2,657.97              | 291.50                  | 10.118            |                    |         |
| 14,400.00                               | 7,070.60            | 7,086.60            | 7,086.60            | 216.29          | 245.67      | -90.04                | -1.25                             | -3,232.32  | 3,048.44             | 2,757.29              | 291.15                  | 10.470            |                    |         |
| 14,500.00                               | 7,070.61            | 7,086.61            | 7,086.61            | 219.11          | 245.67      | -90.04                | -1.25                             | -3,232.32  | 3,147.48             | 2,856.65              | 290.83                  | 10.822            |                    |         |
| 14,600.00                               | 7,070.62            | 7,086.62            | 7,086.62            | 221.94          | 245.67      | -90.04                | -1.25                             | -3,232.32  | 3,246.57             | 2,956.04              | 290.54                  | 11.174            |                    |         |
| 14,700.00                               | 7,070.63            | 7,086.63            | 7,086.63            | 224.76          | 245.67      | -90.04                | -1.25                             | -3,232.32  | 3,345.72             | 3,055.45              | 290.27                  | 11.526            |                    |         |
| 14,800.00                               | 7,070.64            | 7,086.64            | 7,086.64            | 227.58          | 245.67      | -90.04                | -1.25                             | -3,232.32  | 3,444.92             | 3,154.89              | 290.02                  | 11.878            |                    |         |
| 14,900.00                               | 7,070.65            | 7,086.65            | 7,086.65            | 230.41          | 245.67      | -90.04                | -1.25                             | -3,232.32  | 3,544.16             | 3,254.36              | 289.80                  | 12.230            |                    |         |
| 15,000.00                               | 7,070.66            | 7,086.66            | 7,086.66            | 233.24          | 245.67      | -90.04                | -1.25                             | -3,232.32  | 3,643.44             | 3,353.85              | 289.59                  | 12.581            |                    |         |
| 15,100.00                               | 7,070.67            | 7,086.67            | 7,086.67            | 236.06          | 245.67      | -90.04                | -1.25                             | -3,232.32  | 3,742.76             | 3,453.36              | 289.41                  | 12.933            |                    |         |
| 15,200.00                               | 7,070.68            | 7,086.68            | 7,086.68            | 238.89          | 245.67      | -90.05                | -1.25                             | -3,232.32  | 3,842.12             | 3,552.89              | 289.23                  | 13.284            |                    |         |
| 15,300.00                               | 7,070.68            | 7,086.68            | 7,086.68            | 241.72          | 245.67      | -90.05                | -1.25                             | -3,232.32  | 3,941.51             | 3,652.43              | 289.08                  | 13.635            |                    |         |
| 15,400.00                               | 7,070.69            | 7,086.69            | 7,086.69            | 244.55          | 245.67      | -90.05                | -1.25                             | -3,232.32  | 4,040.93             | 3,752.00              | 288.93                  | 13.986            |                    |         |
| 15,500.00                               | 7,070.70            | 7,086.70            | 7,086.70            | 247.38          | 245.67      | -90.05                | -1.25                             | -3,232.32  | 4,140.38             | 3,851.57              | 288.80                  | 14.336            |                    |         |
| 15,600.00                               | 7,070.71            | 7,086.71            | 7,086.71            | 250.21          | 245.67      | -90.05                | -1.25                             | -3,232.32  | 4,239.85             | 3,951.16              | 288.69                  | 14.687            |                    |         |
| 15,700.00                               | 7,070.72            | 7,086.72            | 7,086.72            | 253.04          | 245.67      | -90.05                | -1.25                             | -3,232.32  | 4,339.35             | 4,050.77              | 288.58                  | 15.037            |                    |         |
| 15,800.00                               | 7,070.73            | 7,086.73            | 7,086.73            | 255.87          | 245.67      | -90.05                | -1.25                             | -3,232.32  | 4,438.87             | 4,150.39              | 288.48                  | 15.387            |                    |         |
| 15,900.00                               | 7,070.74            | 7,086.74            | 7,086.74            | 258.71          | 245.67      | -90.05                | -1.25                             | -3,232.32  | 4,538.41             | 4,250.02              | 288.39                  | 15.737            |                    |         |
| 16,000.00                               | 7,070.75            | 7,086.75            | 7,086.75            | 261.54          | 245.68      | -90.05                | -1.25                             | -3,232.32  | 4,637.97             | 4,349.66              | 288.31                  | 16.087            |                    |         |
| 16,100.00                               | 7,070.76            | 7,086.76            | 7,086.76            | 264.37          | 245.68      | -90.06                | -1.25                             | -3,232.32  | 4,737.55             | 4,449.31              | 288.24                  | 16.436            |                    |         |
| 16,200.00                               | 7,070.76            | 7,086.76            | 7,086.76            | 267.21          | 245.68      | -90.06                | -1.25                             | -3,232.32  | 4,837.15             | 4,548.97              | 288.18                  | 16.785            |                    |         |
| 16,300.00                               | 7,070.77            | 7,086.77            | 7,086.77            | 270.04          | 245.68      | -90.06                | -1.25                             | -3,232.32  | 4,936.76             | 4,648.63              | 288.13                  | 17.134            |                    |         |
| 16,400.00                               | 7,070.78            | 7,086.78            | 7,086.78            | 272.88          | 245.68      | -90.06                | -1.25                             | -3,232.32  | 5,036.39             | 4,748.31              | 288.08                  | 17.483            |                    |         |
| 16,500.00                               | 7,070.79            | 7,086.79            | 7,086.79            | 275.71          | 245.68      | -90.06                | -1.25                             | -3,232.32  | 5,136.03             | 4,848.00              | 288.04                  | 17.831            |                    |         |
| 16,600.00                               | 7,070.80            | 7,086.80            | 7,086.80            | 278.55          | 245.68      | -90.06                | -1.25                             | -3,232.32  | 5,235.69             | 4,947.69              | 288.00                  | 18.179            |                    |         |
| 16,700.00                               | 7,070.81            | 7,086.81            | 7,086.81            | 281.39          | 245.68      | -90.06                | -1.25                             | -3,232.32  | 5,335.36             | 5,047.39              | 287.97                  | 18.527            |                    |         |
| 16,800.00                               | 7,070.82            | 7,086.82            | 7,086.82            | 284.22          | 245.68      | -90.06                | -1.25                             | -3,232.32  | 5,435.04             | 5,147.09              | 287.95                  | 18.875            |                    |         |
| 16,900.00                               | 7,070.83            | 7,086.83            | 7,086.83            | 287.06          | 245.68      | -90.07                | -1.25                             | -3,232.32  | 5,534.73             | 5,246.80              | 287.93                  | 19.223            |                    |         |
| 17,000.00                               | 7,070.84            | 7,086.84            | 7,086.84            | 289.90          | 245.68      | -90.07                | -1.25                             | -3,232.32  | 5,634.44             | 5,346.52              | 287.91                  | 19.570            |                    |         |
| 17,100.00                               | 7,070.84            | 7,086.84            | 7,086.84            | 292.74          | 245.68      | -90.07                | -1.25                             | -3,232.32  | 5,734.15             | 5,446.25              | 287.90                  | 19.917            |                    |         |
| 17,200.00                               | 7,070.85            | 7,086.85            | 7,086.85            | 295.58          | 245.68      | -90.07                | -1.25                             | -3,232.32  | 5,833.87             | 5,545.97              | 287.90                  | 20.264            |                    |         |
| 17,300.00                               | 7,070.86            | 7,086.86            | 7,086.86            | 298.42          | 245.68      | -90.07                | -1.25                             | -3,232.32  | 5,933.61             | 5,645.71              | 287.90                  | 20.610            |                    |         |
| 17,400.00                               | 7,070.87            | 7,086.87            | 7,086.87            | 301.26          | 245.68      | -90.07                | -1.25                             | -3,232.32  | 6,033.35             | 5,745.45              | 287.90                  | 20.956            |                    |         |
| 17,500.00                               | 7,070.88            | 7,086.88            | 7,086.88            | 304.10          | 245.68      | -90.07                | -1.25                             | -3,232.32  | 6,133.10             | 5,845.19              | 287.91                  | 21.302            |                    |         |
| 17,600.00                               | 7,070.89            | 7,086.89            | 7,086.89            | 306.94          | 245.68      | -90.07                | -1.25                             | -3,232.32  | 6,232.86             | 5,944.94              | 287.92                  | 21.648            |                    |         |
| 17,700.00                               | 7,070.90            | 7,086.90            | 7,086.90            | 309.78          | 245.68      | -90.07                | -1.25                             | -3,232.32  | 6,332.62             | 6,044.69              | 287.94                  | 21.993            |                    |         |
| 17,800.00                               | 7,070.91            | 7,086.91            | 7,086.91            | 312.62          | 245.68      | -90.08                | -1.25                             | -3,232.32  | 6,432.40             | 6,144.44              | 287.96                  | 22.338            |                    |         |
| 17,900.00                               | 7,070.92            | 7,086.92            | 7,086.92            | 315.46          | 245.68      | -90.08                | -1.25                             | -3,232.32  | 6,532.18             | 6,244.20              | 287.98                  | 22.683            |                    |         |
| 18,000.00                               | 7,070.92            | 7,086.92            | 7,086.92            | 318.31          | 245.68      | -90.08                | -1.25                             | -3,232.32  | 6,631.96             | 6,343.96              | 288.00                  | 23.027            |                    |         |
| 18,100.00                               | 7,070.93            | 7,086.93            | 7,086.93            | 321.15          | 245.68      | -90.08                | -1.25                             | -3,232.32  | 6,731.76             | 6,443.73              | 288.03                  | 23.372            |                    |         |
| 18,200.00                               | 7,070.94            | 7,086.94            | 7,086.94            | 323.99          | 245.68      | -90.08                | -1.25                             | -3,232.32  | 6,831.56             | 6,543.49              | 288.06                  | 23.716            |                    |         |
| 18,300.00                               | 7,070.95            | 7,086.95            | 7,086.95            | 326.83          | 245.68      | -90.08                | -1.25                             | -3,232.32  | 6,931.36             | 6,643.27              | 288.10                  | 24.059            |                    |         |
| 18,400.00                               | 7,070.96            | 7,086.96            | 7,086.96            | 329.68          | 245.68      | -90.08                | -1.25                             | -3,232.32  | 7,031.17             | 6,743.04              | 288.13                  | 24.403            |                    |         |
| 18,500.00                               | 7,070.97            | 7,086.97            | 7,086.97            | 332.52          | 245.68      | -90.08                | -1.25                             | -3,232.32  | 7,130.99             | 6,842.82              | 288.17                  | 24.746            |                    |         |
| 18,600.00                               | 7,070.98            | 7,086.98            | 7,086.98            | 335.36          | 245.68      | -90.09                | -1.25                             | -3,232.32  | 7,230.81             | 6,942.60              | 288.21                  | 25.088            |                    |         |
| 18,700.00                               | 7,070.99            | 7,086.99            | 7,086.99            | 338.21          | 245.68      | -90.09                | -1.25                             | -3,232.32  | 7,330.64             | 7,042.38              | 288.26                  | 25.431            |                    |         |
| 18,800.00                               | 7,070.99            | 7,086.99            | 7,086.99            | 341.05          | 245.68      | -90.09                | -1.25                             | -3,232.32  | 7,430.47             | 7,142.16              | 288.30                  | 25.773            |                    |         |
| 18,858.54                               | 7,071.00            | 7,087.00            | 7,087.00            | 342.72          | 245.68      | -90.09                | -1.25                             | -3,232.32  | 7,488.91             | 7,200.58              | 288.33                  | 25.973            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 2.00                | -2.00               | 3.28            | 3.28        | -111.95               | -1,178.36                         | -2,924.61  | 3,153.07             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 102.00              | 98.00               | 3.28            | 3.75        | -111.95               | -1,178.36                         | -2,924.61  | 3,153.07             | 3,146.04              | 7.03                    | 448.291           |                    |         |
| 200.00                                  | 200.00              | 202.00              | 198.00              | 3.34            | 6.24        | -111.95               | -1,178.36                         | -2,924.61  | 3,153.07             | 3,143.50              | 9.58                    | 329.294           |                    |         |
| 300.00                                  | 300.00              | 302.00              | 298.00              | 3.44            | 9.39        | -111.95               | -1,178.36                         | -2,924.61  | 3,153.07             | 3,140.24              | 12.83                   | 245.685           |                    |         |
| 400.00                                  | 399.98              | 402.02              | 397.98              | 3.60            | 12.72       | 175.55                | -1,178.36                         | -2,924.61  | 3,154.81             | 3,138.49              | 16.32                   | 193.305           |                    |         |
| 500.00                                  | 499.84              | 502.16              | 497.84              | 3.80            | 16.12       | 175.55                | -1,178.36                         | -2,924.61  | 3,160.03             | 3,140.10              | 19.92                   | 158.600           |                    |         |
| 600.00                                  | 599.45              | 602.55              | 597.45              | 4.04            | 19.57       | 175.55                | -1,178.36                         | -2,924.61  | 3,168.72             | 3,145.11              | 23.61                   | 134.208           |                    |         |
| 700.00                                  | 698.70              | 703.30              | 696.70              | 4.32            | 23.04       | 175.55                | -1,178.36                         | -2,924.61  | 3,180.87             | 3,153.51              | 27.36                   | 116.252           |                    |         |
| 800.00                                  | 797.47              | 804.53              | 795.47              | 4.63            | 26.54       | 175.55                | -1,178.36                         | -2,924.61  | 3,196.46             | 3,165.29              | 31.17                   | 102.549           |                    |         |
| 900.00                                  | 895.62              | 906.38              | 893.62              | 4.97            | 30.08       | 175.54                | -1,178.36                         | -2,924.61  | 3,215.49             | 3,180.46              | 35.03                   | 91.787            |                    |         |
| 924.00                                  | 919.08              | 917.08              | 917.08              | 5.06            | 30.45       | 175.54                | -1,178.36                         | -2,924.61  | 3,220.56             | 3,185.07              | 35.49                   | 90.745            |                    |         |
| 1,000.00                                | 993.28              | 1,008.72            | 991.28              | 5.34            | 33.63       | 175.57                | -1,178.36                         | -2,924.61  | 3,236.94             | 3,198.00              | 38.93                   | 83.138            |                    |         |
| 1,100.00                                | 1,090.92            | 1,088.92            | 1,088.92            | 5.73            | 36.42       | 175.60                | -1,178.36                         | -2,924.61  | 3,258.49             | 3,216.41              | 42.08                   | 77.435            |                    |         |
| 1,200.00                                | 1,188.56            | 1,186.56            | 1,186.56            | 6.15            | 39.81       | 175.62                | -1,178.36                         | -2,924.61  | 3,280.04             | 3,234.19              | 45.85                   | 71.539            |                    |         |
| 1,300.00                                | 1,286.19            | 1,284.19            | 1,284.19            | 6.57            | 43.21       | 175.65                | -1,178.36                         | -2,924.61  | 3,301.59             | 3,251.95              | 49.63                   | 66.519            |                    |         |
| 1,400.00                                | 1,383.83            | 1,381.83            | 1,381.83            | 7.01            | 46.61       | 175.68                | -1,178.36                         | -2,924.61  | 3,323.14             | 3,269.71              | 53.43                   | 62.197            |                    |         |
| 1,500.00                                | 1,481.47            | 1,479.47            | 1,479.47            | 7.46            | 50.01       | 175.71                | -1,178.36                         | -2,924.61  | 3,344.69             | 3,287.46              | 57.23                   | 58.439            |                    |         |
| 1,600.00                                | 1,579.10            | 1,577.10            | 1,577.10            | 7.91            | 53.41       | 175.74                | -1,178.36                         | -2,924.61  | 3,366.24             | 3,305.19              | 61.05                   | 55.141            |                    |         |
| 1,700.00                                | 1,676.74            | 1,674.74            | 1,674.74            | 8.37            | 56.81       | 175.76                | -1,178.36                         | -2,924.61  | 3,387.80             | 3,322.93              | 64.87                   | 52.226            |                    |         |
| 1,800.00                                | 1,774.38            | 1,772.38            | 1,772.38            | 8.84            | 60.22       | 175.79                | -1,178.36                         | -2,924.61  | 3,409.35             | 3,340.65              | 68.69                   | 49.630            |                    |         |
| 1,900.00                                | 1,872.02            | 1,870.02            | 1,870.02            | 9.31            | 63.62       | 175.82                | -1,178.36                         | -2,924.61  | 3,430.90             | 3,358.38              | 72.53                   | 47.306            |                    |         |
| 2,000.00                                | 1,969.65            | 1,967.65            | 1,967.65            | 9.79            | 67.03       | 175.84                | -1,178.36                         | -2,924.61  | 3,452.46             | 3,376.10              | 76.36                   | 45.212            |                    |         |
| 2,100.00                                | 2,067.29            | 2,065.29            | 2,065.29            | 10.27           | 70.43       | 175.87                | -1,178.36                         | -2,924.61  | 3,474.02             | 3,393.81              | 80.20                   | 43.316            |                    |         |
| 2,200.00                                | 2,164.93            | 2,162.93            | 2,162.93            | 10.75           | 73.84       | 175.89                | -1,178.36                         | -2,924.61  | 3,495.57             | 3,411.53              | 84.04                   | 41.592            |                    |         |
| 2,300.00                                | 2,262.56            | 2,260.56            | 2,260.56            | 11.24           | 77.24       | 175.92                | -1,178.36                         | -2,924.61  | 3,517.13             | 3,429.24              | 87.89                   | 40.018            |                    |         |
| 2,400.00                                | 2,360.20            | 2,358.20            | 2,358.20            | 11.73           | 80.65       | 175.94                | -1,178.36                         | -2,924.61  | 3,538.69             | 3,446.95              | 91.74                   | 38.574            |                    |         |
| 2,500.00                                | 2,457.84            | 2,455.84            | 2,455.84            | 12.22           | 84.05       | 175.97                | -1,178.36                         | -2,924.61  | 3,560.25             | 3,464.66              | 95.59                   | 37.246            |                    |         |
| 2,600.00                                | 2,555.48            | 2,553.48            | 2,553.48            | 12.71           | 87.46       | 175.99                | -1,178.36                         | -2,924.61  | 3,581.80             | 3,482.36              | 99.44                   | 36.020            |                    |         |
| 2,700.00                                | 2,653.11            | 2,651.11            | 2,651.11            | 13.20           | 90.86       | 176.02                | -1,178.36                         | -2,924.61  | 3,603.36             | 3,500.07              | 103.29                  | 34.885            |                    |         |
| 2,800.00                                | 2,750.75            | 2,748.75            | 2,748.75            | 13.70           | 94.27       | 176.04                | -1,178.36                         | -2,924.61  | 3,624.93             | 3,517.78              | 107.15                  | 33.830            |                    |         |
| 2,900.00                                | 2,848.39            | 2,846.39            | 2,846.39            | 14.19           | 97.68       | 176.06                | -1,178.36                         | -2,924.61  | 3,646.49             | 3,535.48              | 111.01                  | 32.849            |                    |         |
| 3,000.00                                | 2,946.02            | 2,944.02            | 2,944.02            | 14.69           | 101.08      | 176.09                | -1,178.36                         | -2,924.61  | 3,668.05             | 3,553.18              | 114.86                  | 31.934            |                    |         |
| 3,100.00                                | 3,043.66            | 3,041.66            | 3,041.66            | 15.19           | 104.49      | 176.11                | -1,178.36                         | -2,924.61  | 3,689.61             | 3,570.89              | 118.72                  | 31.077            |                    |         |
| 3,200.00                                | 3,141.30            | 3,139.30            | 3,139.30            | 15.69           | 107.90      | 176.13                | -1,178.36                         | -2,924.61  | 3,711.17             | 3,588.59              | 122.58                  | 30.274            |                    |         |
| 3,300.00                                | 3,238.94            | 3,236.94            | 3,236.94            | 16.19           | 111.30      | 176.16                | -1,178.36                         | -2,924.61  | 3,732.74             | 3,606.29              | 126.45                  | 29.520            |                    |         |
| 3,400.00                                | 3,336.57            | 3,334.57            | 3,334.57            | 16.69           | 114.71      | 176.18                | -1,178.36                         | -2,924.61  | 3,754.30             | 3,623.99              | 130.31                  | 28.811            |                    |         |
| 3,500.00                                | 3,434.21            | 3,432.21            | 3,432.21            | 17.19           | 118.12      | 176.20                | -1,178.36                         | -2,924.61  | 3,775.86             | 3,641.69              | 134.17                  | 28.142            |                    |         |
| 3,600.00                                | 3,531.85            | 3,529.85            | 3,529.85            | 17.69           | 121.53      | 176.22                | -1,178.36                         | -2,924.61  | 3,797.43             | 3,659.39              | 138.04                  | 27.511            |                    |         |
| 3,700.00                                | 3,629.48            | 3,627.48            | 3,627.48            | 18.20           | 124.93      | 176.24                | -1,178.36                         | -2,924.61  | 3,818.99             | 3,677.09              | 141.90                  | 26.913            |                    |         |
| 3,800.00                                | 3,727.12            | 3,725.12            | 3,725.12            | 18.70           | 128.34      | 176.26                | -1,178.36                         | -2,924.61  | 3,840.56             | 3,694.80              | 145.76                  | 26.348            |                    |         |
| 3,900.00                                | 3,824.76            | 3,822.76            | 3,822.76            | 19.21           | 131.75      | 176.28                | -1,178.36                         | -2,924.61  | 3,862.13             | 3,712.50              | 149.63                  | 25.811            |                    |         |
| 4,000.00                                | 3,922.40            | 3,920.40            | 3,920.40            | 19.71           | 135.16      | 176.31                | -1,178.36                         | -2,924.61  | 3,883.69             | 3,730.20              | 153.50                  | 25.302            |                    |         |
| 4,100.00                                | 4,020.03            | 4,018.03            | 4,018.03            | 20.21           | 138.56      | 176.33                | -1,178.36                         | -2,924.61  | 3,905.26             | 3,747.90              | 157.36                  | 24.817            |                    |         |
| 4,200.00                                | 4,117.67            | 4,115.67            | 4,115.67            | 20.72           | 141.97      | 176.35                | -1,178.36                         | -2,924.61  | 3,926.83             | 3,765.60              | 161.23                  | 24.355            |                    |         |
| 4,300.00                                | 4,215.31            | 4,213.31            | 4,213.31            | 21.23           | 145.38      | 176.37                | -1,178.36                         | -2,924.61  | 3,948.40             | 3,783.30              | 165.10                  | 23.916            |                    |         |
| 4,400.00                                | 4,312.94            | 4,310.94            | 4,310.94            | 21.73           | 148.79      | 176.39                | -1,178.36                         | -2,924.61  | 3,969.97             | 3,801.00              | 168.97                  | 23.496            |                    |         |
| 4,500.00                                | 4,410.58            | 4,408.58            | 4,408.58            | 22.24           | 152.19      | 176.41                | -1,178.36                         | -2,924.61  | 3,991.53             | 3,818.70              | 172.83                  | 23.095            |                    |         |
| 4,600.00                                | 4,508.22            | 4,506.22            | 4,506.22            | 22.75           | 155.60      | 176.42                | -1,178.36                         | -2,924.61  | 4,013.10             | 3,836.40              | 176.70                  | 22.711            |                    |         |
| 4,700.00                                | 4,605.86            | 4,603.86            | 4,603.86            | 23.25           | 159.01      | 176.44                | -1,178.36                         | -2,924.61  | 4,034.67             | 3,854.10              | 180.57                  | 22.344            |                    |         |
| 4,800.00                                | 4,703.49            | 4,701.49            | 4,701.49            | 23.76           | 162.42      | 176.46                | -1,178.36                         | -2,924.61  | 4,056.24             | 3,871.80              | 184.44                  | 21.992            |                    |         |
| 4,900.00                                | 4,801.13            | 4,800.87            | 4,799.13            | 24.27           | 165.89      | 176.48                | -1,178.36                         | -2,924.61  | 4,077.82             | 3,889.44              | 188.37                  | 21.648            |                    |         |
| 5,000.00                                | 4,898.77            | 4,903.23            | 4,896.77            | 24.77           | 169.46      | 176.50                | -1,178.36                         | -2,924.61  | 4,099.39             | 3,906.98              | 192.41                  | 21.306            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,005.60            | 4,994.40            | 25.28           | 173.03      | 176.52                | -1,178.36                         | -2,924.61  | 4,120.96             | 3,924.52              | 196.44                  | 20.978            |                    |         |
| 5,200.00                                | 5,094.04            | 5,107.96            | 5,092.04            | 25.79           | 176.60      | 176.54                | -1,178.36                         | -2,924.61  | 4,142.53             | 3,942.05              | 200.48                  | 20.663            |                    |         |
| 5,300.00                                | 5,191.68            | 5,189.68            | 5,189.68            | 26.30           | 179.46      | 176.55                | -1,178.36                         | -2,924.61  | 4,164.10             | 3,960.31              | 203.79                  | 20.433            |                    |         |
| 5,400.00                                | 5,289.32            | 5,287.32            | 5,287.32            | 26.81           | 182.86      | 176.57                | -1,178.36                         | -2,924.61  | 4,185.68             | 3,978.01              | 207.66                  | 20.156            |                    |         |
| 5,500.00                                | 5,386.95            | 5,384.95            | 5,384.95            | 27.32           | 186.27      | 176.59                | -1,178.36                         | -2,924.61  | 4,207.25             | 3,995.72              | 211.53                  | 19.889            |                    |         |
| 5,600.00                                | 5,484.59            | 5,482.59            | 5,482.59            | 27.83           | 189.68      | 176.61                | -1,178.36                         | -2,924.61  | 4,228.82             | 4,013.42              | 215.40                  | 19.632            |                    |         |
| 5,700.00                                | 5,582.23            | 5,580.23            | 5,580.23            | 28.33           | 193.09      | 176.62                | -1,178.36                         | -2,924.61  | 4,250.40             | 4,031.12              | 219.28                  | 19.384            |                    |         |
| 5,800.00                                | 5,679.87            | 5,677.87            | 5,677.87            | 28.84           | 196.50      | 176.64                | -1,178.36                         | -2,924.61  | 4,271.97             | 4,048.82              | 223.15                  | 19.144            |                    |         |
| 5,900.00                                | 5,777.50            | 5,775.50            | 5,775.50            | 29.35           | 199.90      | 176.66                | -1,178.36                         | -2,924.61  | 4,293.54             | 4,066.53              | 227.02                  | 18.913            |                    |         |
| 6,000.00                                | 5,875.14            | 5,873.14            | 5,873.14            | 29.86           | 203.31      | 176.68                | -1,178.36                         | -2,924.61  | 4,315.12             | 4,084.23              | 230.89                  | 18.689            |                    |         |
| 6,100.00                                | 5,972.78            | 5,970.78            | 5,970.78            | 30.37           | 206.72      | 176.69                | -1,178.36                         | -2,924.61  | 4,336.70             | 4,101.93              | 234.76                  | 18.473            |                    |         |
| 6,200.00                                | 6,070.41            | 6,068.41            | 6,068.41            | 30.88           | 210.13      | 176.71                | -1,178.36                         | -2,924.61  | 4,358.27             | 4,119.64              | 238.64                  | 18.263            |                    |         |
| 6,300.00                                | 6,168.05            | 6,166.05            | 6,166.05            | 31.39           | 213.54      | 176.72                | -1,178.36                         | -2,924.61  | 4,379.85             | 4,137.34              | 242.51                  | 18.061            |                    |         |
| 6,400.00                                | 6,265.69            | 6,263.69            | 6,263.69            | 31.90           | 216.95      | 176.74                | -1,178.36                         | -2,924.61  | 4,401.42             | 4,155.04              | 246.38                  | 17.864            |                    |         |
| 6,439.09                                | 6,303.85            | 6,301.85            | 6,301.85            | 32.10           | 218.28      | 176.75                | -1,178.36                         | -2,924.61  | 4,409.86             | 4,161.96              | 247.89                  | 17.789            |                    |         |
| 6,450.00                                | 6,314.53            | 6,312.53            | 6,312.53            | 32.16           | 218.65      | 178.30                | -1,178.36                         | -2,924.61  | 4,412.13             | 4,163.81              | 248.32                  | 17.768            |                    |         |
| 6,500.00                                | 6,363.83            | 6,361.83            | 6,361.83            | 32.39           | 220.37      | -170.03               | -1,178.36                         | -2,924.61  | 4,420.33             | 4,170.07              | 250.26                  | 17.663            |                    |         |
| 6,550.00                                | 6,413.58            | 6,411.58            | 6,411.58            | 32.60           | 222.11      | -137.33               | -1,178.36                         | -2,924.61  | 4,424.89             | 4,172.68              | 252.21                  | 17.545            |                    |         |
| 6,600.00                                | 6,463.45            | 6,461.45            | 6,461.45            | 32.79           | 223.85      | -76.51                | -1,178.36                         | -2,924.61  | 4,425.79             | 4,171.64              | 254.14                  | 17.414            |                    |         |
| 6,650.00                                | 6,513.15            | 6,511.15            | 6,511.15            | 32.97           | 225.58      | -49.15                | -1,178.36                         | -2,924.61  | 4,423.02             | 4,166.96              | 256.05                  | 17.274            |                    |         |
| 6,700.00                                | 6,562.37            | 6,560.37            | 6,560.37            | 33.15           | 227.30      | -39.43                | -1,178.36                         | -2,924.61  | 4,416.60             | 4,158.67              | 257.93                  | 17.123            |                    |         |
| 6,750.00                                | 6,610.80            | 6,608.80            | 6,608.80            | 33.34           | 228.99      | -35.04                | -1,178.36                         | -2,924.61  | 4,406.58             | 4,146.81              | 259.77                  | 16.963            |                    |         |
| 6,800.00                                | 6,658.14            | 6,656.14            | 6,656.14            | 33.53           | 230.64      | -32.84                | -1,178.36                         | -2,924.61  | 4,393.03             | 4,131.48              | 261.55                  | 16.796            |                    |         |
| 6,850.00                                | 6,704.11            | 6,702.11            | 6,702.11            | 33.74           | 232.25      | -31.80                | -1,178.36                         | -2,924.61  | 4,376.03             | 4,112.76              | 263.27                  | 16.622            |                    |         |
| 6,900.00                                | 6,748.42            | 6,746.42            | 6,746.42            | 33.97           | 233.80      | -31.51                | -1,178.36                         | -2,924.61  | 4,355.71             | 4,090.79              | 264.92                  | 16.441            |                    |         |
| 6,950.00                                | 6,790.79            | 6,788.79            | 6,788.79            | 34.21           | 235.27      | -31.77                | -1,178.36                         | -2,924.61  | 4,332.19             | 4,065.70              | 266.49                  | 16.256            |                    |         |
| 7,000.00                                | 6,830.97            | 6,828.97            | 6,828.97            | 34.48           | 236.68      | -32.51                | -1,178.36                         | -2,924.61  | 4,305.64             | 4,037.66              | 267.98                  | 16.067            |                    |         |
| 7,050.00                                | 6,868.71            | 6,866.71            | 6,866.71            | 34.77           | 237.99      | -33.71                | -1,178.36                         | -2,924.61  | 4,276.21             | 4,006.85              | 269.37                  | 15.875            |                    |         |
| 7,100.00                                | 6,903.77            | 6,901.77            | 6,901.77            | 35.09           | 239.22      | -35.39                | -1,178.36                         | -2,924.61  | 4,244.12             | 3,973.46              | 270.66                  | 15.681            |                    |         |
| 7,150.00                                | 6,935.93            | 6,933.93            | 6,933.93            | 35.44           | 240.34      | -37.59                | -1,178.36                         | -2,924.61  | 4,209.55             | 3,937.70              | 271.85                  | 15.485            |                    |         |
| 7,200.00                                | 6,965.01            | 6,963.01            | 6,963.01            | 35.83           | 241.36      | -40.38                | -1,178.36                         | -2,924.61  | 4,172.75             | 3,899.82              | 272.93                  | 15.289            |                    |         |
| 7,250.00                                | 6,990.82            | 6,988.82            | 6,988.82            | 36.26           | 242.26      | -43.88                | -1,178.36                         | -2,924.61  | 4,133.94             | 3,860.04              | 273.90                  | 15.093            |                    |         |
| 7,300.00                                | 7,013.20            | 7,011.20            | 7,011.20            | 36.72           | 243.04      | -48.22                | -1,178.36                         | -2,924.61  | 4,093.37             | 3,818.61              | 274.76                  | 14.898            |                    |         |
| 7,350.00                                | 7,032.02            | 7,030.02            | 7,030.02            | 37.23           | 243.70      | -53.54                | -1,178.36                         | -2,924.61  | 4,051.31             | 3,775.81              | 275.51                  | 14.705            |                    |         |
| 7,400.00                                | 7,047.15            | 7,045.15            | 7,045.15            | 37.77           | 244.22      | -59.98                | -1,178.36                         | -2,924.61  | 4,008.02             | 3,731.89              | 276.13                  | 14.515            |                    |         |
| 7,450.00                                | 7,058.51            | 7,056.51            | 7,056.51            | 38.34           | 244.62      | -67.61                | -1,178.36                         | -2,924.61  | 3,963.77             | 3,687.13              | 276.65                  | 14.328            |                    |         |
| 7,500.00                                | 7,066.02            | 7,064.02            | 7,064.02            | 38.95           | 244.88      | -76.34                | -1,178.36                         | -2,924.61  | 3,918.85             | 3,641.81              | 277.04                  | 14.145            |                    |         |
| 7,550.00                                | 7,069.64            | 7,067.64            | 7,067.64            | 39.58           | 245.01      | -85.85                | -1,178.36                         | -2,924.61  | 3,873.53             | 3,596.21              | 277.32                  | 13.968            |                    |         |
| 7,571.20                                | 7,070.00            | 7,068.00            | 7,068.00            | 39.85           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,854.27             | 3,576.87              | 277.40                  | 13.894            |                    |         |
| 7,600.00                                | 7,070.00            | 7,068.00            | 7,068.00            | 40.23           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,828.10             | 3,550.60              | 277.50                  | 13.795            |                    |         |
| 7,700.00                                | 7,070.01            | 7,068.01            | 7,068.01            | 41.64           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,737.57             | 3,459.68              | 277.89                  | 13.450            |                    |         |
| 7,800.00                                | 7,070.02            | 7,068.02            | 7,068.02            | 43.20           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,647.54             | 3,369.17              | 278.37                  | 13.103            |                    |         |
| 7,900.00                                | 7,070.03            | 7,068.03            | 7,068.03            | 44.89           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,558.03             | 3,279.10              | 278.93                  | 12.756            |                    |         |
| 8,000.00                                | 7,070.04            | 7,068.04            | 7,068.04            | 46.69           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,469.10             | 3,189.51              | 279.59                  | 12.408            |                    |         |
| 8,100.00                                | 7,070.05            | 7,068.05            | 7,068.05            | 48.60           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,380.79             | 3,100.44              | 280.35                  | 12.059            |                    |         |
| 8,200.00                                | 7,070.05            | 7,068.05            | 7,068.05            | 50.59           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,293.15             | 3,011.91              | 281.23                  | 11.710            |                    |         |
| 8,300.00                                | 7,070.06            | 7,068.06            | 7,068.06            | 52.66           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,206.23             | 2,924.00              | 282.23                  | 11.360            |                    |         |
| 8,400.00                                | 7,070.07            | 7,068.07            | 7,068.07            | 54.81           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,120.09             | 2,836.73              | 283.36                  | 11.011            |                    |         |
| 8,500.00                                | 7,070.08            | 7,068.08            | 7,068.08            | 57.02           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 3,034.80             | 2,750.18              | 284.63                  | 10.662            |                    |         |
| 8,600.00                                | 7,070.09            | 7,068.09            | 7,068.09            | 59.28           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 2,950.44             | 2,664.40              | 286.04                  | 10.315            |                    |         |
| 8,700.00                                | 7,070.10            | 7,068.10            | 7,068.10            | 61.60           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 2,867.08             | 2,579.48              | 287.61                  | 9.969             |                    |         |
| 8,800.00                                | 7,070.11            | 7,068.11            | 7,068.11            | 63.95           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 2,784.82             | 2,495.49              | 289.34                  | 9.625             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,068.12            | 7,068.12            | 66.35           | 245.02      | -89.99                | -1,178.36                         | -2,924.61  | 2,703.76             | 2,412.52              | 291.24                  | 9.284             |                    |         |
| 9,000.00                                | 7,070.13            | 7,068.13            | 7,068.13            | 68.79           | 245.03      | -89.99                | -1,178.36                         | -2,924.61  | 2,624.00             | 2,330.68              | 293.33                  | 8.946             |                    |         |
| 9,100.00                                | 7,070.13            | 7,068.13            | 7,068.13            | 71.25           | 245.03      | -89.99                | -1,178.36                         | -2,924.61  | 2,545.68             | 2,250.08              | 295.60                  | 8.612             |                    |         |
| 9,200.00                                | 7,070.14            | 7,068.14            | 7,068.14            | 73.74           | 245.03      | -89.99                | -1,178.36                         | -2,924.61  | 2,468.91             | 2,170.85              | 298.06                  | 8.283             |                    |         |
| 9,300.00                                | 7,070.15            | 7,068.15            | 7,068.15            | 76.26           | 245.03      | -89.99                | -1,178.36                         | -2,924.61  | 2,393.87             | 2,093.14              | 300.73                  | 7.960             |                    |         |
| 9,400.00                                | 7,070.16            | 7,068.16            | 7,068.16            | 78.80           | 245.03      | -89.99                | -1,178.36                         | -2,924.61  | 2,320.71             | 2,017.11              | 303.60                  | 7.644             |                    |         |
| 9,500.00                                | 7,070.17            | 7,068.17            | 7,068.17            | 81.37           | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 2,249.61             | 1,942.94              | 306.67                  | 7.336             |                    |         |
| 9,600.00                                | 7,070.18            | 7,068.18            | 7,068.18            | 83.95           | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 2,180.79             | 1,870.83              | 309.96                  | 7.036             |                    |         |
| 9,700.00                                | 7,070.19            | 7,068.19            | 7,068.19            | 86.55           | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 2,114.45             | 1,801.00              | 313.45                  | 6.746             |                    |         |
| 9,800.00                                | 7,070.20            | 7,068.20            | 7,068.20            | 89.17           | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 2,050.85             | 1,733.70              | 317.15                  | 6.467             |                    |         |
| 9,900.00                                | 7,070.21            | 7,068.21            | 7,068.21            | 91.80           | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,990.24             | 1,669.21              | 321.03                  | 6.200             |                    |         |
| 10,000.00                               | 7,070.21            | 7,068.21            | 7,068.21            | 94.44           | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,932.90             | 1,607.81              | 325.09                  | 5.946             |                    |         |
| 10,100.00                               | 7,070.22            | 7,068.22            | 7,068.22            | 97.10           | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,879.15             | 1,549.85              | 329.30                  | 5.706             |                    |         |
| 10,200.00                               | 7,070.23            | 7,068.23            | 7,068.23            | 99.77           | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,829.28             | 1,495.65              | 333.63                  | 5.483             |                    |         |
| 10,300.00                               | 7,070.24            | 7,068.24            | 7,068.24            | 102.44          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,783.63             | 1,445.59              | 338.04                  | 5.276             |                    |         |
| 10,400.00                               | 7,070.25            | 7,068.25            | 7,068.25            | 105.13          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,742.53             | 1,400.05              | 342.48                  | 5.088             |                    |         |
| 10,500.00                               | 7,070.26            | 7,068.26            | 7,068.26            | 107.83          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,706.31             | 1,359.40              | 346.90                  | 4.919             |                    |         |
| 10,600.00                               | 7,070.27            | 7,068.27            | 7,068.27            | 110.53          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,675.28             | 1,324.04              | 351.23                  | 4.770             |                    |         |
| 10,700.00                               | 7,070.28            | 7,068.28            | 7,068.28            | 113.24          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,649.74             | 1,294.33              | 355.41                  | 4.642             |                    |         |
| 10,800.00                               | 7,070.28            | 7,068.28            | 7,068.28            | 115.96          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,629.94             | 1,270.58              | 359.36                  | 4.536             |                    |         |
| 10,900.00                               | 7,070.29            | 7,068.29            | 7,068.29            | 118.69          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,616.10             | 1,253.09              | 363.01                  | 4.452             |                    |         |
| 11,000.00                               | 7,070.30            | 7,068.30            | 7,068.30            | 121.42          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,608.37             | 1,242.07              | 366.30                  | 4.391             |                    |         |
| 11,074.64                               | 7,070.31            | 7,068.31            | 7,068.31            | 123.46          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,606.64             | 1,238.14              | 368.49                  | 4.360 CC          |                    |         |
| 11,100.00                               | 7,070.31            | 7,068.31            | 7,068.31            | 124.16          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,606.84             | 1,237.65              | 369.18                  | 4.352 ES          |                    |         |
| 11,200.00                               | 7,070.32            | 7,068.32            | 7,068.32            | 126.90          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,611.52             | 1,239.90              | 371.62                  | 4.336 SF          |                    |         |
| 11,300.00                               | 7,070.33            | 7,068.33            | 7,068.33            | 129.65          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,622.36             | 1,248.78              | 373.58                  | 4.343             |                    |         |
| 11,400.00                               | 7,070.34            | 7,068.34            | 7,068.34            | 132.40          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,639.25             | 1,264.18              | 375.07                  | 4.371             |                    |         |
| 11,500.00                               | 7,070.35            | 7,068.35            | 7,068.35            | 135.16          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,661.99             | 1,285.90              | 376.09                  | 4.419             |                    |         |
| 11,600.00                               | 7,070.36            | 7,068.36            | 7,068.36            | 137.92          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,690.35             | 1,313.67              | 376.68                  | 4.488             |                    |         |
| 11,700.00                               | 7,070.36            | 7,068.36            | 7,068.36            | 140.69          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,724.05             | 1,347.19              | 376.86                  | 4.575             |                    |         |
| 11,800.00                               | 7,070.37            | 7,068.37            | 7,068.37            | 143.46          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,762.29             | 1,386.11              | 376.68                  | 4.680             |                    |         |
| 11,900.00                               | 7,070.38            | 7,068.38            | 7,068.38            | 146.23          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,806.24             | 1,430.06              | 376.18                  | 4.801             |                    |         |
| 12,000.00                               | 7,070.39            | 7,068.39            | 7,068.39            | 149.01          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,854.07             | 1,478.65              | 375.43                  | 4.939             |                    |         |
| 12,100.00                               | 7,070.40            | 7,068.40            | 7,068.40            | 151.79          | 245.03      | -90.00                | -1,178.36                         | -2,924.61  | 1,905.95             | 1,531.50              | 374.45                  | 5.090             |                    |         |
| 12,200.00                               | 7,070.41            | 7,068.41            | 7,068.41            | 154.57          | 245.04      | -90.00                | -1,178.36                         | -2,924.61  | 1,961.56             | 1,588.27              | 373.29                  | 5.255             |                    |         |
| 12,300.00                               | 7,070.42            | 7,068.42            | 7,068.42            | 157.35          | 245.04      | -90.00                | -1,178.36                         | -2,924.61  | 2,020.59             | 1,648.59              | 372.01                  | 5.432             |                    |         |
| 12,400.00                               | 7,070.43            | 7,068.43            | 7,068.43            | 160.14          | 245.04      | -90.00                | -1,178.36                         | -2,924.61  | 2,082.76             | 1,712.14              | 370.62                  | 5.620             |                    |         |
| 12,500.00                               | 7,070.44            | 7,068.44            | 7,068.44            | 162.93          | 245.04      | -90.00                | -1,178.36                         | -2,924.61  | 2,147.78             | 1,778.62              | 369.16                  | 5.818             |                    |         |
| 12,600.00                               | 7,070.44            | 7,068.44            | 7,068.44            | 165.72          | 245.04      | -90.00                | -1,178.36                         | -2,924.61  | 2,215.40             | 1,847.76              | 367.65                  | 6.026             |                    |         |
| 12,700.00                               | 7,070.45            | 7,068.45            | 7,068.45            | 168.52          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,285.41             | 1,919.29              | 366.12                  | 6.242             |                    |         |
| 12,800.00                               | 7,070.46            | 7,068.46            | 7,068.46            | 171.32          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,357.58             | 1,993.00              | 364.58                  | 6.467             |                    |         |
| 12,900.00                               | 7,070.47            | 7,068.47            | 7,068.47            | 174.11          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,431.71             | 2,068.67              | 363.05                  | 6.698             |                    |         |
| 13,000.00                               | 7,070.48            | 7,068.48            | 7,068.48            | 176.92          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,507.65             | 2,146.12              | 361.53                  | 6.936             |                    |         |
| 13,100.00                               | 7,070.49            | 7,068.49            | 7,068.49            | 179.72          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,585.22             | 2,225.18              | 360.04                  | 7.180             |                    |         |
| 13,200.00                               | 7,070.50            | 7,068.50            | 7,068.50            | 182.52          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,664.29             | 2,305.71              | 358.58                  | 7.430             |                    |         |
| 13,300.00                               | 7,070.51            | 7,068.51            | 7,068.51            | 185.33          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,744.73             | 2,387.57              | 357.16                  | 7.685             |                    |         |
| 13,400.00                               | 7,070.52            | 7,068.52            | 7,068.52            | 188.14          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,826.41             | 2,470.63              | 355.78                  | 7.944             |                    |         |
| 13,500.00                               | 7,070.52            | 7,068.52            | 7,068.52            | 190.95          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,909.24             | 2,554.80              | 354.44                  | 8.208             |                    |         |
| 13,600.00                               | 7,070.53            | 7,068.53            | 7,068.53            | 193.76          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 2,993.12             | 2,639.97              | 353.14                  | 8.476             |                    |         |
| 13,700.00                               | 7,070.54            | 7,068.54            | 7,068.54            | 196.57          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,077.96             | 2,726.07              | 351.89                  | 8.747             |                    |         |
| 13,800.00                               | 7,070.55            | 7,068.55            | 7,068.55            | 199.38          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,163.68             | 2,813.00              | 350.68                  | 9.022             |                    |         |
| 13,900.00                               | 7,070.56            | 7,068.56            | 7,068.56            | 202.20          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,250.23             | 2,900.71              | 349.52                  | 9.299             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,068.57            | 7,068.57            | 205.01          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,337.52             | 2,989.13              | 348.39                  | 9.580             |                    |         |
| 14,100.00                               | 7,070.58            | 7,068.58            | 7,068.58            | 207.83          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,425.51             | 3,078.19              | 347.31                  | 9.863             |                    |         |
| 14,200.00                               | 7,070.59            | 7,068.59            | 7,068.59            | 210.65          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,514.14             | 3,167.87              | 346.27                  | 10.148            |                    |         |
| 14,300.00                               | 7,070.60            | 7,068.60            | 7,068.60            | 213.47          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,603.37             | 3,258.09              | 345.27                  | 10.436            |                    |         |
| 14,400.00                               | 7,070.60            | 7,068.60            | 7,068.60            | 216.29          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,693.15             | 3,348.83              | 344.31                  | 10.726            |                    |         |
| 14,500.00                               | 7,070.61            | 7,068.61            | 7,068.61            | 219.11          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,783.44             | 3,440.05              | 343.39                  | 11.018            |                    |         |
| 14,600.00                               | 7,070.62            | 7,068.62            | 7,068.62            | 221.94          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,874.21             | 3,531.70              | 342.50                  | 11.312            |                    |         |
| 14,700.00                               | 7,070.63            | 7,068.63            | 7,068.63            | 224.76          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 3,965.42             | 3,623.77              | 341.65                  | 11.607            |                    |         |
| 14,800.00                               | 7,070.64            | 7,068.64            | 7,068.64            | 227.58          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 4,057.05             | 3,716.22              | 340.83                  | 11.904            |                    |         |
| 14,900.00                               | 7,070.65            | 7,068.65            | 7,068.65            | 230.41          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 4,149.06             | 3,809.02              | 340.04                  | 12.202            |                    |         |
| 15,000.00                               | 7,070.66            | 7,068.66            | 7,068.66            | 233.24          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 4,241.43             | 3,902.16              | 339.28                  | 12.501            |                    |         |
| 15,100.00                               | 7,070.67            | 7,068.67            | 7,068.67            | 236.06          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 4,334.15             | 3,995.60              | 338.55                  | 12.802            |                    |         |
| 15,200.00                               | 7,070.68            | 7,068.68            | 7,068.68            | 238.89          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 4,427.18             | 4,089.33              | 337.84                  | 13.104            |                    |         |
| 15,300.00                               | 7,070.68            | 7,068.68            | 7,068.68            | 241.72          | 245.04      | -90.01                | -1,178.36                         | -2,924.61  | 4,520.51             | 4,183.34              | 337.17                  | 13.407            |                    |         |
| 15,400.00                               | 7,070.69            | 7,068.69            | 7,068.69            | 244.55          | 245.05      | -90.01                | -1,178.36                         | -2,924.61  | 4,614.11             | 4,277.60              | 336.52                  | 13.711            |                    |         |
| 15,500.00                               | 7,070.70            | 7,068.70            | 7,068.70            | 247.38          | 245.05      | -90.01                | -1,178.36                         | -2,924.61  | 4,707.99             | 4,372.09              | 335.89                  | 14.016            |                    |         |
| 15,600.00                               | 7,070.71            | 7,068.71            | 7,068.71            | 250.21          | 245.05      | -90.01                | -1,178.36                         | -2,924.61  | 4,802.10             | 4,466.81              | 335.29                  | 14.322            |                    |         |
| 15,700.00                               | 7,070.72            | 7,068.72            | 7,068.72            | 253.04          | 245.05      | -90.01                | -1,178.36                         | -2,924.61  | 4,896.46             | 4,561.75              | 334.71                  | 14.629            |                    |         |
| 15,800.00                               | 7,070.73            | 7,068.73            | 7,068.73            | 255.87          | 245.05      | -90.01                | -1,178.36                         | -2,924.61  | 4,991.03             | 4,656.88              | 334.15                  | 14.936            |                    |         |
| 15,900.00                               | 7,070.74            | 7,068.74            | 7,068.74            | 258.71          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,085.81             | 4,752.19              | 333.61                  | 15.245            |                    |         |
| 16,000.00                               | 7,070.75            | 7,068.75            | 7,068.75            | 261.54          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,180.78             | 4,847.69              | 333.09                  | 15.554            |                    |         |
| 16,100.00                               | 7,070.76            | 7,068.76            | 7,068.76            | 264.37          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,275.94             | 4,943.35              | 332.59                  | 15.863            |                    |         |
| 16,200.00                               | 7,070.76            | 7,068.76            | 7,068.76            | 267.21          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,371.28             | 5,039.17              | 332.11                  | 16.173            |                    |         |
| 16,300.00                               | 7,070.77            | 7,068.77            | 7,068.77            | 270.04          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,466.78             | 5,135.14              | 331.64                  | 16.484            |                    |         |
| 16,400.00                               | 7,070.78            | 7,068.78            | 7,068.78            | 272.88          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,562.44             | 5,231.25              | 331.20                  | 16.795            |                    |         |
| 16,500.00                               | 7,070.79            | 7,068.79            | 7,068.79            | 275.71          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,658.26             | 5,327.49              | 330.76                  | 17.107            |                    |         |
| 16,600.00                               | 7,070.80            | 7,068.80            | 7,068.80            | 278.55          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,754.21             | 5,423.86              | 330.35                  | 17.419            |                    |         |
| 16,700.00                               | 7,070.81            | 7,068.81            | 7,068.81            | 281.39          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,850.30             | 5,520.36              | 329.94                  | 17.731            |                    |         |
| 16,800.00                               | 7,070.82            | 7,068.82            | 7,068.82            | 284.22          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 5,946.52             | 5,616.96              | 329.55                  | 18.044            |                    |         |
| 16,900.00                               | 7,070.83            | 7,068.83            | 7,068.83            | 287.06          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,042.86             | 5,713.68              | 329.18                  | 18.357            |                    |         |
| 17,000.00                               | 7,070.84            | 7,068.84            | 7,068.84            | 289.90          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,139.32             | 5,810.50              | 328.82                  | 18.671            |                    |         |
| 17,100.00                               | 7,070.84            | 7,068.84            | 7,068.84            | 292.74          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,235.89             | 5,907.42              | 328.47                  | 18.985            |                    |         |
| 17,200.00                               | 7,070.85            | 7,068.85            | 7,068.85            | 295.58          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,332.56             | 6,004.44              | 328.13                  | 19.299            |                    |         |
| 17,300.00                               | 7,070.86            | 7,068.86            | 7,068.86            | 298.42          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,429.34             | 6,101.54              | 327.80                  | 19.613            |                    |         |
| 17,400.00                               | 7,070.87            | 7,068.87            | 7,068.87            | 301.26          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,526.22             | 6,198.73              | 327.49                  | 19.928            |                    |         |
| 17,500.00                               | 7,070.88            | 7,068.88            | 7,068.88            | 304.10          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,623.19             | 6,296.00              | 327.18                  | 20.243            |                    |         |
| 17,600.00                               | 7,070.89            | 7,068.89            | 7,068.89            | 306.94          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,720.24             | 6,393.36              | 326.89                  | 20.558            |                    |         |
| 17,700.00                               | 7,070.90            | 7,068.90            | 7,068.90            | 309.78          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,817.38             | 6,490.78              | 326.60                  | 20.874            |                    |         |
| 17,800.00                               | 7,070.91            | 7,068.91            | 7,068.91            | 312.62          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 6,914.61             | 6,588.28              | 326.33                  | 21.189            |                    |         |
| 17,900.00                               | 7,070.92            | 7,068.92            | 7,068.92            | 315.46          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 7,011.91             | 6,685.85              | 326.06                  | 21.505            |                    |         |
| 18,000.00                               | 7,070.92            | 7,068.92            | 7,068.92            | 318.31          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 7,109.29             | 6,783.48              | 325.81                  | 21.821            |                    |         |
| 18,100.00                               | 7,070.93            | 7,068.93            | 7,068.93            | 321.15          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 7,206.73             | 6,881.18              | 325.56                  | 22.137            |                    |         |
| 18,200.00                               | 7,070.94            | 7,068.94            | 7,068.94            | 323.99          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 7,304.25             | 6,978.93              | 325.32                  | 22.453            |                    |         |
| 18,300.00                               | 7,070.95            | 7,068.95            | 7,068.95            | 326.83          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 7,401.84             | 7,076.75              | 325.09                  | 22.769            |                    |         |
| 18,400.00                               | 7,070.96            | 7,068.96            | 7,068.96            | 329.68          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 7,499.48             | 7,174.62              | 324.86                  | 23.085            |                    |         |
| 18,500.00                               | 7,070.97            | 7,068.97            | 7,068.97            | 332.52          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 7,597.19             | 7,272.55              | 324.64                  | 23.402            |                    |         |
| 18,600.00                               | 7,070.98            | 7,068.98            | 7,068.98            | 335.36          | 245.05      | -90.02                | -1,178.36                         | -2,924.61  | 7,694.96             | 7,370.52              | 324.44                  | 23.718            |                    |         |
| 18,700.00                               | 7,070.99            | 7,068.99            | 7,068.99            | 338.21          | 245.06      | -90.02                | -1,178.36                         | -2,924.61  | 7,792.78             | 7,468.55              | 324.23                  | 24.035            |                    |         |
| 18,800.00                               | 7,070.99            | 7,068.99            | 7,068.99            | 341.05          | 245.06      | -90.02                | -1,178.36                         | -2,924.61  | 7,890.66             | 7,566.62              | 324.04                  | 24.351            |                    |         |
| 18,858.54                               | 7,071.00            | 7,069.00            | 7,069.00            | 342.72          | 245.06      | -90.02                | -1,178.36                         | -2,924.61  | 7,947.98             | 7,624.06              | 323.93                  | 24.536            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -176.96               | -4,058.73                         | -215.84    | 4,064.52             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 78.00               | 78.00               | 3.28            | 3.55        | -176.96               | -4,058.73                         | -215.84    | 4,064.46             | 4,057.63              | 6.84                    | 594.562           |                    |         |
| 200.00                                  | 200.00              | 178.00              | 178.00              | 3.34            | 5.54        | -176.96               | -4,058.73                         | -215.84    | 4,064.46             | 4,055.58              | 8.88                    | 457.704           |                    |         |
| 300.00                                  | 300.00              | 278.00              | 278.00              | 3.44            | 8.61        | -176.96               | -4,058.73                         | -215.84    | 4,064.46             | 4,052.41              | 12.05                   | 337.196 CC        |                    |         |
| 400.00                                  | 399.98              | 377.98              | 377.98              | 3.60            | 11.91       | 110.56                | -4,058.73                         | -215.84    | 4,065.08             | 4,049.57              | 15.51                   | 262.073           |                    |         |
| 500.00                                  | 499.84              | 477.84              | 477.84              | 3.80            | 15.29       | 110.59                | -4,058.73                         | -215.84    | 4,066.92             | 4,047.83              | 19.09                   | 213.017           |                    |         |
| 600.00                                  | 599.45              | 577.45              | 577.45              | 4.04            | 18.70       | 110.65                | -4,058.73                         | -215.84    | 4,070.00             | 4,047.25              | 22.74                   | 178.950 ES        |                    |         |
| 700.00                                  | 698.70              | 676.70              | 676.70              | 4.32            | 22.12       | 110.73                | -4,058.73                         | -215.84    | 4,074.33             | 4,047.89              | 26.44                   | 154.096           |                    |         |
| 800.00                                  | 797.47              | 775.47              | 775.47              | 4.63            | 25.54       | 110.82                | -4,058.73                         | -215.84    | 4,079.94             | 4,049.78              | 30.17                   | 135.252           |                    |         |
| 900.00                                  | 895.62              | 873.62              | 873.62              | 4.97            | 28.94       | 110.94                | -4,058.73                         | -215.84    | 4,086.85             | 4,052.94              | 33.91                   | 120.522           |                    |         |
| 924.00                                  | 919.08              | 902.92              | 897.08              | 5.06            | 29.96       | 110.97                | -4,058.73                         | -215.84    | 4,088.71             | 4,053.70              | 35.01                   | 116.776           |                    |         |
| 1,000.00                                | 993.28              | 971.28              | 971.28              | 5.34            | 32.33       | 111.18                | -4,058.73                         | -215.84    | 4,094.74             | 4,057.07              | 37.67                   | 108.701           |                    |         |
| 1,100.00                                | 1,090.92            | 1,068.92            | 1,068.92            | 5.73            | 35.72       | 111.46                | -4,058.73                         | -215.84    | 4,102.76             | 4,061.31              | 41.45                   | 98.971            |                    |         |
| 1,200.00                                | 1,188.56            | 1,166.56            | 1,166.56            | 6.15            | 39.12       | 111.73                | -4,058.73                         | -215.84    | 4,110.88             | 4,065.62              | 45.26                   | 90.831            |                    |         |
| 1,300.00                                | 1,286.19            | 1,264.19            | 1,264.19            | 6.57            | 42.51       | 112.00                | -4,058.73                         | -215.84    | 4,119.09             | 4,070.02              | 49.08                   | 83.928            |                    |         |
| 1,400.00                                | 1,383.83            | 1,361.83            | 1,361.83            | 7.01            | 45.91       | 112.28                | -4,058.73                         | -215.84    | 4,127.41             | 4,074.49              | 52.91                   | 78.005            |                    |         |
| 1,500.00                                | 1,481.47            | 1,459.47            | 1,459.47            | 7.46            | 49.31       | 112.55                | -4,058.73                         | -215.84    | 4,135.82             | 4,079.06              | 56.76                   | 72.870            |                    |         |
| 1,600.00                                | 1,579.10            | 1,557.10            | 1,557.10            | 7.91            | 52.72       | 112.82                | -4,058.73                         | -215.84    | 4,144.32             | 4,083.71              | 60.61                   | 68.378            |                    |         |
| 1,700.00                                | 1,676.74            | 1,654.74            | 1,654.74            | 8.37            | 56.12       | 113.09                | -4,058.73                         | -215.84    | 4,152.92             | 4,088.45              | 64.47                   | 64.418            |                    |         |
| 1,800.00                                | 1,774.38            | 1,752.38            | 1,752.38            | 8.84            | 59.52       | 113.36                | -4,058.73                         | -215.84    | 4,161.61             | 4,093.28              | 68.33                   | 60.901            |                    |         |
| 1,900.00                                | 1,872.02            | 1,850.02            | 1,850.02            | 9.31            | 62.92       | 113.62                | -4,058.73                         | -215.84    | 4,170.40             | 4,098.20              | 72.21                   | 57.758            |                    |         |
| 2,000.00                                | 1,969.65            | 1,947.65            | 1,947.65            | 9.79            | 66.33       | 113.89                | -4,058.73                         | -215.84    | 4,179.28             | 4,103.20              | 76.08                   | 54.932            |                    |         |
| 2,100.00                                | 2,067.29            | 2,045.29            | 2,045.29            | 10.27           | 69.73       | 114.15                | -4,058.73                         | -215.84    | 4,188.26             | 4,108.30              | 79.96                   | 52.380            |                    |         |
| 2,200.00                                | 2,164.93            | 2,142.93            | 2,142.93            | 10.75           | 73.14       | 114.42                | -4,058.73                         | -215.84    | 4,197.32             | 4,113.48              | 83.84                   | 50.062            |                    |         |
| 2,300.00                                | 2,262.56            | 2,240.56            | 2,240.56            | 11.24           | 76.54       | 114.68                | -4,058.73                         | -215.84    | 4,206.48             | 4,118.75              | 87.73                   | 47.950            |                    |         |
| 2,400.00                                | 2,360.20            | 2,338.20            | 2,338.20            | 11.73           | 79.95       | 114.94                | -4,058.73                         | -215.84    | 4,215.73             | 4,124.11              | 91.61                   | 46.016            |                    |         |
| 2,500.00                                | 2,457.84            | 2,435.84            | 2,435.84            | 12.22           | 83.35       | 115.20                | -4,058.73                         | -215.84    | 4,225.07             | 4,129.56              | 95.50                   | 44.240            |                    |         |
| 2,600.00                                | 2,555.48            | 2,533.48            | 2,533.48            | 12.71           | 86.76       | 115.46                | -4,058.73                         | -215.84    | 4,234.49             | 4,135.10              | 99.39                   | 42.603            |                    |         |
| 2,700.00                                | 2,653.11            | 2,631.11            | 2,631.11            | 13.20           | 90.17       | 115.72                | -4,058.73                         | -215.84    | 4,244.01             | 4,140.73              | 103.29                  | 41.090            |                    |         |
| 2,800.00                                | 2,750.75            | 2,728.75            | 2,728.75            | 13.70           | 93.57       | 115.98                | -4,058.73                         | -215.84    | 4,253.62             | 4,146.44              | 107.18                  | 39.687            |                    |         |
| 2,900.00                                | 2,848.39            | 2,826.39            | 2,826.39            | 14.19           | 96.98       | 116.23                | -4,058.73                         | -215.84    | 4,263.31             | 4,152.24              | 111.07                  | 38.382            |                    |         |
| 3,000.00                                | 2,946.02            | 2,924.02            | 2,924.02            | 14.69           | 100.39      | 116.49                | -4,058.73                         | -215.84    | 4,273.09             | 4,158.12              | 114.97                  | 37.167            |                    |         |
| 3,100.00                                | 3,043.66            | 3,021.66            | 3,021.66            | 15.19           | 103.79      | 116.74                | -4,058.73                         | -215.84    | 4,282.96             | 4,164.09              | 118.87                  | 36.031            |                    |         |
| 3,200.00                                | 3,141.30            | 3,119.30            | 3,119.30            | 15.69           | 107.20      | 117.00                | -4,058.73                         | -215.84    | 4,292.91             | 4,170.15              | 122.77                  | 34.969            |                    |         |
| 3,300.00                                | 3,238.94            | 3,216.94            | 3,216.94            | 16.19           | 110.61      | 117.25                | -4,058.73                         | -215.84    | 4,302.95             | 4,176.29              | 126.66                  | 33.972            |                    |         |
| 3,400.00                                | 3,336.57            | 3,314.57            | 3,314.57            | 16.69           | 114.01      | 117.50                | -4,058.73                         | -215.84    | 4,313.08             | 4,182.51              | 130.56                  | 33.035            |                    |         |
| 3,500.00                                | 3,434.21            | 3,412.21            | 3,412.21            | 17.19           | 117.42      | 117.75                | -4,058.73                         | -215.84    | 4,323.28             | 4,188.82              | 134.46                  | 32.153            |                    |         |
| 3,600.00                                | 3,531.85            | 3,509.85            | 3,509.85            | 17.69           | 120.83      | 118.00                | -4,058.73                         | -215.84    | 4,333.58             | 4,195.22              | 138.36                  | 31.321            |                    |         |
| 3,700.00                                | 3,629.48            | 3,607.48            | 3,607.48            | 18.20           | 124.24      | 118.24                | -4,058.73                         | -215.84    | 4,343.95             | 4,201.69              | 142.26                  | 30.535            |                    |         |
| 3,800.00                                | 3,727.12            | 3,705.12            | 3,705.12            | 18.70           | 127.64      | 118.49                | -4,058.73                         | -215.84    | 4,354.41             | 4,208.25              | 146.16                  | 29.792            |                    |         |
| 3,900.00                                | 3,824.76            | 3,802.76            | 3,802.76            | 19.21           | 131.05      | 118.73                | -4,058.73                         | -215.84    | 4,364.95             | 4,214.89              | 150.06                  | 29.088            |                    |         |
| 4,000.00                                | 3,922.40            | 3,900.40            | 3,900.40            | 19.71           | 134.46      | 118.98                | -4,058.73                         | -215.84    | 4,375.57             | 4,221.61              | 153.96                  | 28.420            |                    |         |
| 4,100.00                                | 4,020.03            | 4,001.97            | 3,998.03            | 20.21           | 138.00      | 119.22                | -4,058.73                         | -215.84    | 4,386.27             | 4,228.27              | 158.00                  | 27.761            |                    |         |
| 4,200.00                                | 4,117.67            | 4,104.33            | 4,095.67            | 20.72           | 141.57      | 119.46                | -4,058.73                         | -215.84    | 4,397.05             | 4,234.99              | 162.07                  | 27.131            |                    |         |
| 4,300.00                                | 4,215.31            | 4,206.69            | 4,193.31            | 21.23           | 145.15      | 119.70                | -4,058.73                         | -215.84    | 4,407.92             | 4,241.78              | 166.13                  | 26.532            |                    |         |
| 4,400.00                                | 4,312.94            | 4,309.06            | 4,290.94            | 21.73           | 148.72      | 119.94                | -4,058.73                         | -215.84    | 4,418.86             | 4,248.66              | 170.20                  | 25.963            |                    |         |
| 4,500.00                                | 4,410.58            | 4,388.58            | 4,388.58            | 22.24           | 151.50      | 120.18                | -4,058.73                         | -215.84    | 4,429.87             | 4,256.41              | 173.47                  | 25.537            |                    |         |
| 4,600.00                                | 4,508.22            | 4,486.22            | 4,486.22            | 22.75           | 154.90      | 120.42                | -4,058.73                         | -215.84    | 4,440.97             | 4,263.60              | 177.37                  | 25.038            |                    |         |
| 4,700.00                                | 4,605.86            | 4,583.86            | 4,583.86            | 23.25           | 158.31      | 120.65                | -4,058.73                         | -215.84    | 4,452.15             | 4,270.87              | 181.27                  | 24.560            |                    |         |
| 4,800.00                                | 4,703.49            | 4,681.49            | 4,681.49            | 23.76           | 161.72      | 120.89                | -4,058.73                         | -215.84    | 4,463.40             | 4,278.22              | 185.17                  | 24.104            |                    |         |
| 4,900.00                                | 4,801.13            | 4,779.13            | 4,779.13            | 24.27           | 165.13      | 121.12                | -4,058.73                         | -215.84    | 4,474.72             | 4,285.65              | 189.08                  | 23.666            |                    |         |
| 5,000.00                                | 4,898.77            | 4,876.77            | 4,876.77            | 24.77           | 168.53      | 121.35                | -4,058.73                         | -215.84    | 4,486.13             | 4,293.15              | 192.98                  | 23.247            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 4,974.40            | 4,974.40            | 25.28           | 171.94      | 121.58                | -4,058.73                         | -215.84    | 4,497.60             | 4,300.72              | 196.88                  | 22.845            |                    |         |
| 5,200.00                                | 5,094.04            | 5,072.04            | 5,072.04            | 25.79           | 175.35      | 121.81                | -4,058.73                         | -215.84    | 4,509.15             | 4,308.37              | 200.78                  | 22.458            |                    |         |
| 5,300.00                                | 5,191.68            | 5,169.68            | 5,169.68            | 26.30           | 178.76      | 122.04                | -4,058.73                         | -215.84    | 4,520.78             | 4,316.10              | 204.68                  | 22.087            |                    |         |
| 5,400.00                                | 5,289.32            | 5,267.32            | 5,267.32            | 26.81           | 182.17      | 122.27                | -4,058.73                         | -215.84    | 4,532.48             | 4,323.89              | 208.58                  | 21.730            |                    |         |
| 5,500.00                                | 5,386.95            | 5,364.95            | 5,364.95            | 27.32           | 185.57      | 122.50                | -4,058.73                         | -215.84    | 4,544.25             | 4,331.76              | 212.48                  | 21.386            |                    |         |
| 5,600.00                                | 5,484.59            | 5,462.59            | 5,462.59            | 27.83           | 188.98      | 122.72                | -4,058.73                         | -215.84    | 4,556.09             | 4,339.71              | 216.38                  | 21.056            |                    |         |
| 5,700.00                                | 5,582.23            | 5,560.23            | 5,560.23            | 28.33           | 192.39      | 122.94                | -4,058.73                         | -215.84    | 4,568.01             | 4,347.72              | 220.29                  | 20.737            |                    |         |
| 5,800.00                                | 5,679.87            | 5,657.87            | 5,657.87            | 28.84           | 195.80      | 123.17                | -4,058.73                         | -215.84    | 4,579.99             | 4,355.81              | 224.19                  | 20.429            |                    |         |
| 5,900.00                                | 5,777.50            | 5,755.50            | 5,755.50            | 29.35           | 199.21      | 123.39                | -4,058.73                         | -215.84    | 4,592.05             | 4,363.96              | 228.09                  | 20.133            |                    |         |
| 6,000.00                                | 5,875.14            | 5,853.14            | 5,853.14            | 29.86           | 202.61      | 123.61                | -4,058.73                         | -215.84    | 4,604.17             | 4,372.19              | 231.99                  | 19.847            |                    |         |
| 6,100.00                                | 5,972.78            | 5,950.78            | 5,950.78            | 30.37           | 206.02      | 123.83                | -4,058.73                         | -215.84    | 4,616.37             | 4,380.48              | 235.89                  | 19.570            |                    |         |
| 6,200.00                                | 6,070.41            | 6,048.41            | 6,048.41            | 30.88           | 209.43      | 124.05                | -4,058.73                         | -215.84    | 4,628.63             | 4,388.85              | 239.79                  | 19.303            |                    |         |
| 6,300.00                                | 6,168.05            | 6,146.05            | 6,146.05            | 31.39           | 212.84      | 124.27                | -4,058.73                         | -215.84    | 4,640.97             | 4,397.28              | 243.69                  | 19.045            |                    |         |
| 6,400.00                                | 6,265.69            | 6,243.69            | 6,243.69            | 31.90           | 216.25      | 124.48                | -4,058.73                         | -215.84    | 4,653.37             | 4,405.78              | 247.59                  | 18.795            |                    |         |
| 6,439.09                                | 6,303.85            | 6,281.85            | 6,281.85            | 32.10           | 217.58      | 124.57                | -4,058.73                         | -215.84    | 4,658.23             | 4,409.12              | 249.11                  | 18.699            |                    |         |
| 6,450.00                                | 6,314.53            | 6,307.48            | 6,292.53            | 32.16           | 218.47      | 126.18                | -4,058.73                         | -215.84    | 4,659.56             | 4,409.50              | 250.06                  | 18.634            |                    |         |
| 6,500.00                                | 6,363.83            | 6,341.83            | 6,341.83            | 32.39           | 219.67      | 138.14                | -4,058.73                         | -215.84    | 4,664.99             | 4,413.50              | 251.49                  | 18.550            |                    |         |
| 6,550.00                                | 6,413.58            | 6,408.42            | 6,391.58            | 32.60           | 222.00      | 171.11                | -4,058.73                         | -215.84    | 4,669.25             | 4,415.22              | 254.02                  | 18.381            |                    |         |
| 6,600.00                                | 6,463.45            | 6,441.45            | 6,441.45            | 32.79           | 223.15      | -127.81               | -4,058.73                         | -215.84    | 4,672.31             | 4,416.95              | 255.37                  | 18.297            |                    |         |
| 6,650.00                                | 6,513.15            | 6,508.85            | 6,491.15            | 32.97           | 225.50      | -100.20               | -4,058.73                         | -215.84    | 4,674.17             | 4,416.27              | 257.90                  | 18.124            |                    |         |
| 6,700.00                                | 6,562.37            | 6,540.37            | 6,540.37            | 33.15           | 226.60      | -90.25                | -4,058.73                         | -215.84    | 4,674.82             | 4,415.63              | 259.19                  | 18.036            |                    |         |
| 6,750.00                                | 6,610.80            | 6,588.80            | 6,588.80            | 33.34           | 228.29      | -85.62                | -4,058.73                         | -215.84    | 4,674.27             | 4,413.20              | 261.07                  | 17.904            |                    |         |
| 6,800.00                                | 6,658.14            | 6,636.14            | 6,636.14            | 33.53           | 229.95      | -83.17                | -4,058.73                         | -215.84    | 4,672.56             | 4,409.64              | 262.92                  | 17.772            |                    |         |
| 6,850.00                                | 6,704.11            | 6,682.11            | 6,682.11            | 33.74           | 231.55      | -81.83                | -4,058.73                         | -215.84    | 4,669.74             | 4,405.00              | 264.74                  | 17.639            |                    |         |
| 6,900.00                                | 6,748.42            | 6,726.42            | 6,726.42            | 33.97           | 233.10      | -81.18                | -4,058.73                         | -215.84    | 4,665.87             | 4,399.36              | 266.51                  | 17.507            |                    |         |
| 6,950.00                                | 6,790.79            | 6,768.79            | 6,768.79            | 34.21           | 234.58      | -80.97                | -4,058.73                         | -215.84    | 4,661.01             | 4,392.78              | 268.23                  | 17.377            |                    |         |
| 7,000.00                                | 6,830.97            | 6,808.97            | 6,808.97            | 34.48           | 235.98      | -81.08                | -4,058.73                         | -215.84    | 4,655.26             | 4,385.36              | 269.90                  | 17.248            |                    |         |
| 7,050.00                                | 6,868.71            | 6,846.71            | 6,846.71            | 34.77           | 237.30      | -81.44                | -4,058.73                         | -215.84    | 4,648.70             | 4,377.19              | 271.51                  | 17.122            |                    |         |
| 7,100.00                                | 6,903.77            | 6,881.77            | 6,881.77            | 35.09           | 238.52      | -81.97                | -4,058.73                         | -215.84    | 4,641.43             | 4,368.38              | 273.05                  | 16.998            |                    |         |
| 7,150.00                                | 6,935.93            | 6,913.93            | 6,913.93            | 35.44           | 239.64      | -82.65                | -4,058.73                         | -215.84    | 4,633.57             | 4,359.04              | 274.53                  | 16.878            |                    |         |
| 7,200.00                                | 6,965.01            | 6,943.01            | 6,943.01            | 35.83           | 240.66      | -83.43                | -4,058.73                         | -215.84    | 4,625.20             | 4,349.27              | 275.94                  | 16.762            |                    |         |
| 7,250.00                                | 6,990.82            | 6,968.82            | 6,968.82            | 36.26           | 241.56      | -84.28                | -4,058.73                         | -215.84    | 4,616.46             | 4,339.19              | 277.27                  | 16.650            |                    |         |
| 7,300.00                                | 7,013.20            | 7,008.80            | 6,991.20            | 36.72           | 242.95      | -85.18                | -4,058.73                         | -215.84    | 4,607.43             | 4,328.29              | 279.14                  | 16.506            |                    |         |
| 7,350.00                                | 7,032.02            | 7,010.02            | 7,010.02            | 37.23           | 243.00      | -86.10                | -4,058.73                         | -215.84    | 4,598.23             | 4,318.54              | 279.69                  | 16.440            |                    |         |
| 7,400.00                                | 7,047.15            | 7,025.15            | 7,025.15            | 37.77           | 243.53      | -87.02                | -4,058.73                         | -215.84    | 4,588.97             | 4,308.19              | 280.78                  | 16.344            |                    |         |
| 7,450.00                                | 7,058.51            | 7,036.51            | 7,036.51            | 38.34           | 243.92      | -87.94                | -4,058.73                         | -215.84    | 4,579.72             | 4,297.95              | 281.77                  | 16.253            |                    |         |
| 7,500.00                                | 7,066.02            | 7,044.02            | 7,044.02            | 38.95           | 244.18      | -88.82                | -4,058.73                         | -215.84    | 4,570.58             | 4,287.92              | 282.66                  | 16.170            |                    |         |
| 7,550.00                                | 7,069.64            | 7,047.64            | 7,047.64            | 39.58           | 244.31      | -89.66                | -4,058.73                         | -215.84    | 4,561.63             | 4,278.19              | 283.44                  | 16.094            |                    |         |
| 7,571.20                                | 7,070.00            | 7,048.00            | 7,048.00            | 39.85           | 244.32      | -90.00                | -4,058.73                         | -215.84    | 4,557.90             | 4,274.17              | 283.73                  | 16.064            |                    |         |
| 7,600.00                                | 7,070.00            | 7,048.00            | 7,048.00            | 40.23           | 244.32      | -90.00                | -4,058.73                         | -215.84    | 4,552.96             | 4,268.84              | 284.12                  | 16.025            |                    |         |
| 7,700.00                                | 7,070.01            | 7,048.01            | 7,048.01            | 41.64           | 244.32      | -90.00                | -4,058.73                         | -215.84    | 4,537.19             | 4,251.59              | 285.60                  | 15.887            |                    |         |
| 7,800.00                                | 7,070.02            | 7,048.02            | 7,048.02            | 43.20           | 244.32      | -90.00                | -4,058.73                         | -215.84    | 4,523.58             | 4,236.36              | 287.22                  | 15.750            |                    |         |
| 7,900.00                                | 7,070.03            | 7,048.03            | 7,048.03            | 44.89           | 244.32      | -90.00                | -4,058.73                         | -215.84    | 4,512.14             | 4,223.17              | 288.97                  | 15.615            |                    |         |
| 8,000.00                                | 7,070.04            | 7,048.04            | 7,048.04            | 46.69           | 244.32      | -90.00                | -4,058.73                         | -215.84    | 4,502.89             | 4,212.05              | 290.84                  | 15.483            |                    |         |
| 8,100.00                                | 7,070.05            | 7,048.05            | 7,048.05            | 48.60           | 244.32      | -90.00                | -4,058.73                         | -215.84    | 4,495.85             | 4,203.05              | 292.80                  | 15.355            |                    |         |
| 8,200.00                                | 7,070.05            | 7,048.05            | 7,048.05            | 50.59           | 244.32      | -90.00                | -4,058.73                         | -215.84    | 4,491.02             | 4,196.17              | 294.85                  | 15.232            |                    |         |
| 8,300.00                                | 7,070.06            | 7,048.06            | 7,048.06            | 52.66           | 244.32      | -90.00                | -4,058.73                         | -215.84    | 4,488.42             | 4,191.46              | 296.96                  | 15.114            |                    |         |
| 8,366.84                                | 7,070.07            | 7,048.07            | 7,048.07            | 54.10           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,487.92             | 4,189.51              | 298.41                  | 15.039            |                    |         |
| 8,400.00                                | 7,070.07            | 7,048.07            | 7,048.07            | 54.81           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,488.04             | 4,188.91              | 299.13                  | 15.004            |                    |         |
| 8,500.00                                | 7,070.08            | 7,048.08            | 7,048.08            | 57.02           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,489.90             | 4,188.55              | 301.34                  | 14.900            |                    |         |
| 8,600.00                                | 7,070.09            | 7,048.09            | 7,048.09            | 59.28           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,493.97             | 4,190.39              | 303.59                  | 14.803            |                    |         |
| 8,700.00                                | 7,070.10            | 7,048.10            | 7,048.10            | 61.60           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,500.27             | 4,194.42              | 305.85                  | 14.714            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                                | 7,070.11            | 7,048.11            | 7,048.11            | 63.95           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,508.78             | 4,200.65              | 308.13                  | 14.633            |                    |         |
| 8,900.00                                | 7,070.12            | 7,048.12            | 7,048.12            | 66.35           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,519.48             | 4,209.07              | 310.41                  | 14.560            |                    |         |
| 9,000.00                                | 7,070.13            | 7,048.13            | 7,048.13            | 68.79           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,532.36             | 4,219.68              | 312.68                  | 14.495            |                    |         |
| 9,100.00                                | 7,070.13            | 7,048.13            | 7,048.13            | 71.25           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,547.41             | 4,232.47              | 314.94                  | 14.439            |                    |         |
| 9,200.00                                | 7,070.14            | 7,048.14            | 7,048.14            | 73.74           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,564.60             | 4,247.41              | 317.19                  | 14.391            |                    |         |
| 9,300.00                                | 7,070.15            | 7,048.15            | 7,048.15            | 76.26           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,583.91             | 4,264.50              | 319.41                  | 14.351            |                    |         |
| 9,400.00                                | 7,070.16            | 7,048.16            | 7,048.16            | 78.80           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,605.31             | 4,283.70              | 321.60                  | 14.320            |                    |         |
| 9,500.00                                | 7,070.17            | 7,048.17            | 7,048.17            | 81.37           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,628.77             | 4,305.00              | 323.76                  | 14.297            |                    |         |
| 9,600.00                                | 7,070.18            | 7,048.18            | 7,048.18            | 83.95           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,654.26             | 4,328.37              | 325.89                  | 14.282            |                    |         |
| 9,700.00                                | 7,070.19            | 7,048.19            | 7,048.19            | 86.55           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,681.75             | 4,353.78              | 327.97                  | 14.275 SF         |                    |         |
| 9,800.00                                | 7,070.20            | 7,048.20            | 7,048.20            | 89.17           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,711.20             | 4,381.19              | 330.01                  | 14.276            |                    |         |
| 9,900.00                                | 7,070.21            | 7,048.21            | 7,048.21            | 91.80           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,742.58             | 4,410.57              | 332.01                  | 14.285            |                    |         |
| 10,000.00                               | 7,070.21            | 7,048.21            | 7,048.21            | 94.44           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,775.84             | 4,441.89              | 333.95                  | 14.301            |                    |         |
| 10,100.00                               | 7,070.22            | 7,048.22            | 7,048.22            | 97.10           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,810.95             | 4,475.10              | 335.85                  | 14.325            |                    |         |
| 10,200.00                               | 7,070.23            | 7,048.23            | 7,048.23            | 99.77           | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,847.88             | 4,510.18              | 337.70                  | 14.356            |                    |         |
| 10,300.00                               | 7,070.24            | 7,048.24            | 7,048.24            | 102.44          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,886.57             | 4,547.08              | 339.49                  | 14.394            |                    |         |
| 10,400.00                               | 7,070.25            | 7,048.25            | 7,048.25            | 105.13          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,926.98             | 4,585.75              | 341.23                  | 14.439            |                    |         |
| 10,500.00                               | 7,070.26            | 7,048.26            | 7,048.26            | 107.83          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 4,969.09             | 4,626.16              | 342.92                  | 14.490            |                    |         |
| 10,600.00                               | 7,070.27            | 7,048.27            | 7,048.27            | 110.53          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,012.83             | 4,668.27              | 344.56                  | 14.548            |                    |         |
| 10,700.00                               | 7,070.28            | 7,048.28            | 7,048.28            | 113.24          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,058.17             | 4,712.02              | 346.15                  | 14.613            |                    |         |
| 10,800.00                               | 7,070.28            | 7,048.28            | 7,048.28            | 115.96          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,105.07             | 4,757.39              | 347.68                  | 14.683            |                    |         |
| 10,900.00                               | 7,070.29            | 7,048.29            | 7,048.29            | 118.69          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,153.48             | 4,804.32              | 349.16                  | 14.760            |                    |         |
| 11,000.00                               | 7,070.30            | 7,048.30            | 7,048.30            | 121.42          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,203.36             | 4,852.78              | 350.59                  | 14.842            |                    |         |
| 11,100.00                               | 7,070.31            | 7,048.31            | 7,048.31            | 124.16          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,254.67             | 4,902.71              | 351.96                  | 14.930            |                    |         |
| 11,200.00                               | 7,070.32            | 7,048.32            | 7,048.32            | 126.90          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,307.38             | 4,954.08              | 353.29                  | 15.023            |                    |         |
| 11,300.00                               | 7,070.33            | 7,048.33            | 7,048.33            | 129.65          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,361.42             | 5,006.85              | 354.57                  | 15.121            |                    |         |
| 11,400.00                               | 7,070.34            | 7,048.34            | 7,048.34            | 132.40          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,416.78             | 5,060.98              | 355.80                  | 15.224            |                    |         |
| 11,500.00                               | 7,070.35            | 7,048.35            | 7,048.35            | 135.16          | 244.33      | -90.00                | -4,058.73                         | -215.84    | 5,473.40             | 5,116.42              | 356.99                  | 15.332            |                    |         |
| 11,600.00                               | 7,070.36            | 7,048.36            | 7,048.36            | 137.92          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 5,531.25             | 5,173.13              | 358.12                  | 15.445            |                    |         |
| 11,700.00                               | 7,070.36            | 7,048.36            | 7,048.36            | 140.69          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 5,590.30             | 5,231.08              | 359.22                  | 15.562            |                    |         |
| 11,800.00                               | 7,070.37            | 7,048.37            | 7,048.37            | 143.46          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 5,650.49             | 5,290.22              | 360.27                  | 15.684            |                    |         |
| 11,900.00                               | 7,070.38            | 7,048.38            | 7,048.38            | 146.23          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 5,711.80             | 5,350.52              | 361.28                  | 15.810            |                    |         |
| 12,000.00                               | 7,070.39            | 7,048.39            | 7,048.39            | 149.01          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 5,774.19             | 5,411.94              | 362.25                  | 15.940            |                    |         |
| 12,100.00                               | 7,070.40            | 7,048.40            | 7,048.40            | 151.79          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 5,837.63             | 5,474.45              | 363.18                  | 16.074            |                    |         |
| 12,200.00                               | 7,070.41            | 7,048.41            | 7,048.41            | 154.57          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 5,902.08             | 5,538.00              | 364.08                  | 16.211            |                    |         |
| 12,300.00                               | 7,070.42            | 7,048.42            | 7,048.42            | 157.35          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 5,967.51             | 5,602.58              | 364.93                  | 16.352            |                    |         |
| 12,400.00                               | 7,070.43            | 7,048.43            | 7,048.43            | 160.14          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 6,033.89             | 5,668.13              | 365.76                  | 16.497            |                    |         |
| 12,500.00                               | 7,070.44            | 7,048.44            | 7,048.44            | 162.93          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 6,101.19             | 5,734.64              | 366.54                  | 16.645            |                    |         |
| 12,600.00                               | 7,070.44            | 7,048.44            | 7,048.44            | 165.72          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 6,169.37             | 5,802.07              | 367.30                  | 16.797            |                    |         |
| 12,700.00                               | 7,070.45            | 7,048.45            | 7,048.45            | 168.52          | 244.34      | -90.00                | -4,058.73                         | -215.84    | 6,238.41             | 5,870.38              | 368.02                  | 16.951            |                    |         |
| 12,800.00                               | 7,070.46            | 7,048.46            | 7,048.46            | 171.32          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,308.28             | 5,939.56              | 368.72                  | 17.109            |                    |         |
| 12,900.00                               | 7,070.47            | 7,048.47            | 7,048.47            | 174.11          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,378.95             | 6,009.56              | 369.39                  | 17.269            |                    |         |
| 13,000.00                               | 7,070.48            | 7,048.48            | 7,048.48            | 176.92          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,450.40             | 6,080.37              | 370.02                  | 17.432            |                    |         |
| 13,100.00                               | 7,070.49            | 7,048.49            | 7,048.49            | 179.72          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,522.60             | 6,151.96              | 370.63                  | 17.598            |                    |         |
| 13,200.00                               | 7,070.50            | 7,048.50            | 7,048.50            | 182.52          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,595.52             | 6,224.30              | 371.22                  | 17.767            |                    |         |
| 13,300.00                               | 7,070.51            | 7,048.51            | 7,048.51            | 185.33          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,669.15             | 6,297.37              | 371.78                  | 17.938            |                    |         |
| 13,400.00                               | 7,070.52            | 7,048.52            | 7,048.52            | 188.14          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,743.45             | 6,371.13              | 372.32                  | 18.112            |                    |         |
| 13,500.00                               | 7,070.52            | 7,048.52            | 7,048.52            | 190.95          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,818.42             | 6,445.58              | 372.84                  | 18.288            |                    |         |
| 13,600.00                               | 7,070.53            | 7,048.53            | 7,048.53            | 193.76          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,894.01             | 6,520.68              | 373.33                  | 18.466            |                    |         |
| 13,700.00                               | 7,070.54            | 7,048.54            | 7,048.54            | 196.57          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 6,970.23             | 6,596.42              | 373.80                  | 18.647            |                    |         |
| 13,800.00                               | 7,070.55            | 7,048.55            | 7,048.55            | 199.38          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,047.03             | 6,672.78              | 374.26                  | 18.829            |                    |         |
| 13,900.00                               | 7,070.56            | 7,048.56            | 7,048.56            | 202.20          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,124.42             | 6,749.72              | 374.69                  | 19.014            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,048.57            | 7,048.57            | 205.01          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,202.36             | 6,827.25              | 375.11                  | 19.201            |                    |         |
| 14,100.00                               | 7,070.58            | 7,048.58            | 7,048.58            | 207.83          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,280.84             | 6,905.33              | 375.51                  | 19.389            |                    |         |
| 14,200.00                               | 7,070.59            | 7,048.59            | 7,048.59            | 210.65          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,359.84             | 6,983.94              | 375.89                  | 19.580            |                    |         |
| 14,300.00                               | 7,070.60            | 7,048.60            | 7,048.60            | 213.47          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,439.34             | 7,063.08              | 376.26                  | 19.772            |                    |         |
| 14,400.00                               | 7,070.60            | 7,048.60            | 7,048.60            | 216.29          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,519.34             | 7,142.73              | 376.61                  | 19.966            |                    |         |
| 14,500.00                               | 7,070.61            | 7,048.61            | 7,048.61            | 219.11          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,599.81             | 7,222.86              | 376.95                  | 20.161            |                    |         |
| 14,600.00                               | 7,070.62            | 7,048.62            | 7,048.62            | 221.94          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,680.74             | 7,303.46              | 377.28                  | 20.358            |                    |         |
| 14,700.00                               | 7,070.63            | 7,048.63            | 7,048.63            | 224.76          | 244.34      | -90.01                | -4,058.73                         | -215.84    | 7,762.11             | 7,384.52              | 377.59                  | 20.557            |                    |         |
| 14,800.00                               | 7,070.64            | 7,048.64            | 7,048.64            | 227.58          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 7,843.92             | 7,466.03              | 377.89                  | 20.757            |                    |         |
| 14,900.00                               | 7,070.65            | 7,048.65            | 7,048.65            | 230.41          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 7,926.14             | 7,547.96              | 378.17                  | 20.959            |                    |         |
| 15,000.00                               | 7,070.66            | 7,048.66            | 7,048.66            | 233.24          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,008.76             | 7,630.31              | 378.45                  | 21.162            |                    |         |
| 15,100.00                               | 7,070.67            | 7,048.67            | 7,048.67            | 236.06          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,091.78             | 7,713.07              | 378.71                  | 21.367            |                    |         |
| 15,200.00                               | 7,070.68            | 7,048.68            | 7,048.68            | 238.89          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,175.18             | 7,796.21              | 378.97                  | 21.572            |                    |         |
| 15,300.00                               | 7,070.68            | 7,048.68            | 7,048.68            | 241.72          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,258.95             | 7,879.73              | 379.21                  | 21.779            |                    |         |
| 15,400.00                               | 7,070.69            | 7,048.69            | 7,048.69            | 244.55          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,343.07             | 7,963.63              | 379.44                  | 21.988            |                    |         |
| 15,500.00                               | 7,070.70            | 7,048.70            | 7,048.70            | 247.38          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,427.54             | 8,047.87              | 379.67                  | 22.197            |                    |         |
| 15,600.00                               | 7,070.71            | 7,048.71            | 7,048.71            | 250.21          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,512.35             | 8,132.46              | 379.89                  | 22.408            |                    |         |
| 15,700.00                               | 7,070.72            | 7,048.72            | 7,048.72            | 253.04          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,597.48             | 8,217.39              | 380.09                  | 22.619            |                    |         |
| 15,800.00                               | 7,070.73            | 7,048.73            | 7,048.73            | 255.87          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,682.93             | 8,302.64              | 380.29                  | 22.832            |                    |         |
| 15,900.00                               | 7,070.74            | 7,048.74            | 7,048.74            | 258.71          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,768.69             | 8,388.21              | 380.49                  | 23.046            |                    |         |
| 16,000.00                               | 7,070.75            | 7,048.75            | 7,048.75            | 261.54          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,854.75             | 8,474.08              | 380.67                  | 23.261            |                    |         |
| 16,100.00                               | 7,070.76            | 7,048.76            | 7,048.76            | 264.37          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 8,941.10             | 8,560.25              | 380.85                  | 23.477            |                    |         |
| 16,200.00                               | 7,070.76            | 7,048.76            | 7,048.76            | 267.21          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,027.73             | 8,646.71              | 381.02                  | 23.694            |                    |         |
| 16,300.00                               | 7,070.77            | 7,048.77            | 7,048.77            | 270.04          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,114.63             | 8,733.45              | 381.18                  | 23.911            |                    |         |
| 16,400.00                               | 7,070.78            | 7,048.78            | 7,048.78            | 272.88          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,201.80             | 8,820.46              | 381.34                  | 24.130            |                    |         |
| 16,500.00                               | 7,070.79            | 7,048.79            | 7,048.79            | 275.71          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,289.23             | 8,907.73              | 381.50                  | 24.350            |                    |         |
| 16,600.00                               | 7,070.80            | 7,048.80            | 7,048.80            | 278.55          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,376.91             | 8,995.27              | 381.64                  | 24.570            |                    |         |
| 16,700.00                               | 7,070.81            | 7,048.81            | 7,048.81            | 281.39          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,464.83             | 9,083.05              | 381.78                  | 24.791            |                    |         |
| 16,800.00                               | 7,070.82            | 7,048.82            | 7,048.82            | 284.22          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,552.99             | 9,171.07              | 381.92                  | 25.013            |                    |         |
| 16,900.00                               | 7,070.83            | 7,048.83            | 7,048.83            | 287.06          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,641.38             | 9,259.33              | 382.05                  | 25.236            |                    |         |
| 17,000.00                               | 7,070.84            | 7,048.84            | 7,048.84            | 289.90          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,730.00             | 9,347.82              | 382.18                  | 25.459            |                    |         |
| 17,100.00                               | 7,070.84            | 7,048.84            | 7,048.84            | 292.74          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,818.84             | 9,436.53              | 382.30                  | 25.683            |                    |         |
| 17,200.00                               | 7,070.85            | 7,048.85            | 7,048.85            | 295.58          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,907.89             | 9,525.46              | 382.42                  | 25.908            |                    |         |
| 17,300.00                               | 7,070.86            | 7,048.86            | 7,048.86            | 298.42          | 244.35      | -90.01                | -4,058.73                         | -215.84    | 9,997.14             | 9,614.60              | 382.54                  | 26.134            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 40.00               | 40.00               | 3.28            | 3.35        | -72.19                | 1,409.16                          | -4,387.29  | 4,608.04             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 140.00              | 140.00              | 3.28            | 4.54        | -72.19                | 1,409.16                          | -4,387.29  | 4,608.04             | 4,600.21              | 7.83                    | 588.757           |                    |         |
| 200.00                                  | 200.00              | 240.00              | 240.00              | 3.34            | 7.40        | -72.19                | 1,409.16                          | -4,387.29  | 4,608.04             | 4,597.30              | 10.74                   | 429.189           |                    |         |
| 300.00                                  | 300.00              | 340.00              | 340.00              | 3.44            | 10.64       | -72.19                | 1,409.16                          | -4,387.29  | 4,608.04             | 4,593.95              | 14.09                   | 327.115           |                    |         |
| 400.00                                  | 399.98              | 439.98              | 439.98              | 3.60            | 14.00       | -144.69               | 1,409.16                          | -4,387.29  | 4,609.46             | 4,591.86              | 17.60                   | 261.832           |                    |         |
| 500.00                                  | 499.84              | 539.84              | 539.84              | 3.80            | 17.41       | -144.68               | 1,409.16                          | -4,387.29  | 4,613.73             | 4,592.52              | 21.21                   | 217.499           |                    |         |
| 600.00                                  | 599.45              | 639.45              | 639.45              | 4.04            | 20.84       | -144.66               | 1,409.16                          | -4,387.29  | 4,620.85             | 4,595.97              | 24.88                   | 185.741           |                    |         |
| 700.00                                  | 698.70              | 738.70              | 738.70              | 4.32            | 24.27       | -144.63               | 1,409.16                          | -4,387.29  | 4,630.82             | 4,602.24              | 28.58                   | 162.032           |                    |         |
| 800.00                                  | 797.47              | 837.47              | 837.47              | 4.63            | 27.69       | -144.59               | 1,409.16                          | -4,387.29  | 4,643.62             | 4,611.32              | 32.30                   | 143.749           |                    |         |
| 900.00                                  | 895.62              | 935.62              | 935.62              | 4.97            | 31.09       | -144.54               | 1,409.16                          | -4,387.29  | 4,659.26             | 4,623.23              | 36.04                   | 129.284           |                    |         |
| 924.00                                  | 919.08              | 959.08              | 959.08              | 5.06            | 31.91       | -144.53               | 1,409.16                          | -4,387.29  | 4,663.44             | 4,626.50              | 36.94                   | 126.247           |                    |         |
| 1,000.00                                | 993.28              | 1,033.28            | 1,033.28            | 5.34            | 34.48       | -144.65               | 1,409.16                          | -4,387.29  | 4,676.93             | 4,637.15              | 39.78                   | 117.563           |                    |         |
| 1,100.00                                | 1,090.92            | 1,130.92            | 1,130.92            | 5.73            | 37.88       | -144.80               | 1,409.16                          | -4,387.29  | 4,694.71             | 4,651.17              | 43.54                   | 107.822           |                    |         |
| 1,200.00                                | 1,188.56            | 1,228.56            | 1,228.56            | 6.15            | 41.27       | -144.95               | 1,409.16                          | -4,387.29  | 4,712.52             | 4,665.21              | 47.32                   | 99.591            |                    |         |
| 1,300.00                                | 1,286.19            | 1,326.19            | 1,326.19            | 6.57            | 44.67       | -145.10               | 1,409.16                          | -4,387.29  | 4,730.37             | 4,679.26              | 51.11                   | 92.552            |                    |         |
| 1,400.00                                | 1,383.83            | 1,423.83            | 1,423.83            | 7.01            | 48.07       | -145.24               | 1,409.16                          | -4,387.29  | 4,748.24             | 4,693.33              | 54.91                   | 86.467            |                    |         |
| 1,500.00                                | 1,481.47            | 1,521.47            | 1,521.47            | 7.46            | 51.47       | -145.39               | 1,409.16                          | -4,387.29  | 4,766.15             | 4,707.42              | 58.73                   | 81.158            |                    |         |
| 1,600.00                                | 1,579.10            | 1,619.10            | 1,619.10            | 7.91            | 54.88       | -145.54               | 1,409.16                          | -4,387.29  | 4,784.09             | 4,721.54              | 62.55                   | 76.486            |                    |         |
| 1,700.00                                | 1,676.74            | 1,716.74            | 1,716.74            | 8.37            | 58.28       | -145.68               | 1,409.16                          | -4,387.29  | 4,802.05             | 4,735.68              | 66.38                   | 72.345            |                    |         |
| 1,800.00                                | 1,774.38            | 1,814.38            | 1,814.38            | 8.84            | 61.68       | -145.83               | 1,409.16                          | -4,387.29  | 4,820.05             | 4,749.84              | 70.21                   | 68.651            |                    |         |
| 1,900.00                                | 1,872.02            | 1,912.02            | 1,912.02            | 9.31            | 65.09       | -145.97               | 1,409.16                          | -4,387.29  | 4,838.08             | 4,764.03              | 74.05                   | 65.335            |                    |         |
| 2,000.00                                | 1,969.65            | 2,009.65            | 2,009.65            | 9.79            | 68.49       | -146.11               | 1,409.16                          | -4,387.29  | 4,856.13             | 4,778.24              | 77.89                   | 62.343            |                    |         |
| 2,100.00                                | 2,067.29            | 2,107.29            | 2,107.29            | 10.27           | 71.90       | -146.25               | 1,409.16                          | -4,387.29  | 4,874.22             | 4,792.48              | 81.74                   | 59.631            |                    |         |
| 2,200.00                                | 2,164.93            | 2,204.93            | 2,204.93            | 10.75           | 75.30       | -146.39               | 1,409.16                          | -4,387.29  | 4,892.33             | 4,806.74              | 85.59                   | 57.160            |                    |         |
| 2,300.00                                | 2,262.56            | 2,302.56            | 2,302.56            | 11.24           | 78.71       | -146.53               | 1,409.16                          | -4,387.29  | 4,910.47             | 4,821.03              | 89.44                   | 54.901            |                    |         |
| 2,400.00                                | 2,360.20            | 2,400.20            | 2,400.20            | 11.73           | 82.11       | -146.67               | 1,409.16                          | -4,387.29  | 4,928.64             | 4,835.34              | 93.30                   | 52.827            |                    |         |
| 2,500.00                                | 2,457.84            | 2,502.16            | 2,497.84            | 12.22           | 85.67       | -146.80               | 1,409.16                          | -4,387.29  | 4,946.84             | 4,849.53              | 97.31                   | 50.838            |                    |         |
| 2,600.00                                | 2,555.48            | 2,604.52            | 2,595.48            | 12.71           | 89.24       | -146.94               | 1,409.16                          | -4,387.29  | 4,965.06             | 4,863.73              | 101.33                  | 48.999            |                    |         |
| 2,700.00                                | 2,653.11            | 2,706.89            | 2,693.11            | 13.20           | 92.81       | -147.07               | 1,409.16                          | -4,387.29  | 4,983.31             | 4,877.96              | 105.36                  | 47.300            |                    |         |
| 2,800.00                                | 2,750.75            | 2,809.25            | 2,790.75            | 13.70           | 96.38       | -147.21               | 1,409.16                          | -4,387.29  | 5,001.59             | 4,892.21              | 109.38                  | 45.726            |                    |         |
| 2,900.00                                | 2,848.39            | 2,888.39            | 2,888.39            | 14.19           | 99.14       | -147.34               | 1,409.16                          | -4,387.29  | 5,019.90             | 4,907.30              | 112.60                  | 44.582            |                    |         |
| 3,000.00                                | 2,946.02            | 2,986.02            | 2,986.02            | 14.69           | 102.55      | -147.47               | 1,409.16                          | -4,387.29  | 5,038.23             | 4,921.76              | 116.46                  | 43.260            |                    |         |
| 3,100.00                                | 3,043.66            | 3,083.66            | 3,083.66            | 15.19           | 105.96      | -147.60               | 1,409.16                          | -4,387.29  | 5,056.58             | 4,936.25              | 120.33                  | 42.023            |                    |         |
| 3,200.00                                | 3,141.30            | 3,181.30            | 3,181.30            | 15.69           | 109.36      | -147.73               | 1,409.16                          | -4,387.29  | 5,074.97             | 4,950.77              | 124.20                  | 40.862            |                    |         |
| 3,300.00                                | 3,238.94            | 3,278.94            | 3,278.94            | 16.19           | 112.77      | -147.86               | 1,409.16                          | -4,387.29  | 5,093.37             | 4,965.31              | 128.06                  | 39.772            |                    |         |
| 3,400.00                                | 3,336.57            | 3,376.57            | 3,376.57            | 16.69           | 116.18      | -147.99               | 1,409.16                          | -4,387.29  | 5,111.81             | 4,979.88              | 131.93                  | 38.746            |                    |         |
| 3,500.00                                | 3,434.21            | 3,474.21            | 3,474.21            | 17.19           | 119.58      | -148.12               | 1,409.16                          | -4,387.29  | 5,130.27             | 4,994.47              | 135.80                  | 37.778            |                    |         |
| 3,600.00                                | 3,531.85            | 3,571.85            | 3,571.85            | 17.69           | 122.99      | -148.24               | 1,409.16                          | -4,387.29  | 5,148.75             | 5,009.08              | 139.67                  | 36.864            |                    |         |
| 3,700.00                                | 3,629.48            | 3,669.48            | 3,669.48            | 18.20           | 126.40      | -148.37               | 1,409.16                          | -4,387.29  | 5,167.25             | 5,023.72              | 143.54                  | 35.999            |                    |         |
| 3,800.00                                | 3,727.12            | 3,767.12            | 3,767.12            | 18.70           | 129.81      | -148.49               | 1,409.16                          | -4,387.29  | 5,185.78             | 5,038.38              | 147.41                  | 35.179            |                    |         |
| 3,900.00                                | 3,824.76            | 3,864.76            | 3,864.76            | 19.21           | 133.21      | -148.62               | 1,409.16                          | -4,387.29  | 5,204.34             | 5,053.06              | 151.28                  | 34.402            |                    |         |
| 4,000.00                                | 3,922.40            | 3,962.40            | 3,962.40            | 19.71           | 136.62      | -148.74               | 1,409.16                          | -4,387.29  | 5,222.92             | 5,067.77              | 155.15                  | 33.663            |                    |         |
| 4,100.00                                | 4,020.03            | 4,060.03            | 4,060.03            | 20.21           | 140.03      | -148.86               | 1,409.16                          | -4,387.29  | 5,241.52             | 5,082.50              | 159.02                  | 32.961            |                    |         |
| 4,200.00                                | 4,117.67            | 4,157.67            | 4,157.67            | 20.72           | 143.44      | -148.98               | 1,409.16                          | -4,387.29  | 5,260.14             | 5,097.25              | 162.89                  | 32.292            |                    |         |
| 4,300.00                                | 4,215.31            | 4,255.31            | 4,255.31            | 21.23           | 146.84      | -149.10               | 1,409.16                          | -4,387.29  | 5,278.79             | 5,112.02              | 166.77                  | 31.654            |                    |         |
| 4,400.00                                | 4,312.94            | 4,352.94            | 4,352.94            | 21.73           | 150.25      | -149.22               | 1,409.16                          | -4,387.29  | 5,297.46             | 5,126.82              | 170.64                  | 31.045            |                    |         |
| 4,500.00                                | 4,410.58            | 4,450.58            | 4,450.58            | 22.24           | 153.66      | -149.34               | 1,409.16                          | -4,387.29  | 5,316.15             | 5,141.64              | 174.51                  | 30.463            |                    |         |
| 4,600.00                                | 4,508.22            | 4,548.22            | 4,548.22            | 22.75           | 157.07      | -149.46               | 1,409.16                          | -4,387.29  | 5,334.86             | 5,156.48              | 178.38                  | 29.907            |                    |         |
| 4,700.00                                | 4,605.86            | 4,645.86            | 4,645.86            | 23.25           | 160.48      | -149.57               | 1,409.16                          | -4,387.29  | 5,353.60             | 5,171.34              | 182.26                  | 29.374            |                    |         |
| 4,800.00                                | 4,703.49            | 4,743.49            | 4,743.49            | 23.76           | 163.88      | -149.69               | 1,409.16                          | -4,387.29  | 5,372.36             | 5,186.23              | 186.13                  | 28.863            |                    |         |
| 4,900.00                                | 4,801.13            | 4,841.13            | 4,841.13            | 24.27           | 167.29      | -149.80               | 1,409.16                          | -4,387.29  | 5,391.13             | 5,201.13              | 190.00                  | 28.374            |                    |         |
| 5,000.00                                | 4,898.77            | 4,938.77            | 4,938.77            | 24.77           | 170.70      | -149.92               | 1,409.16                          | -4,387.29  | 5,409.93             | 5,216.06              | 193.88                  | 27.904            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,036.40            | 5,036.40            | 25.28           | 174.11      | -150.03               | 1,409.16                          | -4,387.29  | 5,428.75             | 5,231.00              | 197.75                  | 27.453            |                    |         |
| 5,200.00                                | 5,094.04            | 5,134.04            | 5,134.04            | 25.79           | 177.51      | -150.15               | 1,409.16                          | -4,387.29  | 5,447.59             | 5,245.97              | 201.62                  | 27.018            |                    |         |
| 5,300.00                                | 5,191.68            | 5,231.68            | 5,231.68            | 26.30           | 180.92      | -150.26               | 1,409.16                          | -4,387.29  | 5,466.46             | 5,260.96              | 205.50                  | 26.601            |                    |         |
| 5,400.00                                | 5,289.32            | 5,329.32            | 5,329.32            | 26.81           | 184.33      | -150.37               | 1,409.16                          | -4,387.29  | 5,485.34             | 5,275.97              | 209.37                  | 26.199            |                    |         |
| 5,500.00                                | 5,386.95            | 5,426.95            | 5,426.95            | 27.32           | 187.74      | -150.48               | 1,409.16                          | -4,387.29  | 5,504.24             | 5,290.99              | 213.25                  | 25.812            |                    |         |
| 5,600.00                                | 5,484.59            | 5,524.59            | 5,524.59            | 27.83           | 191.15      | -150.59               | 1,409.16                          | -4,387.29  | 5,523.16             | 5,306.04              | 217.12                  | 25.438            |                    |         |
| 5,700.00                                | 5,582.23            | 5,622.23            | 5,622.23            | 28.33           | 194.55      | -150.70               | 1,409.16                          | -4,387.29  | 5,542.10             | 5,321.11              | 221.00                  | 25.078            |                    |         |
| 5,800.00                                | 5,679.87            | 5,719.87            | 5,719.87            | 28.84           | 197.96      | -150.81               | 1,409.16                          | -4,387.29  | 5,561.06             | 5,336.19              | 224.87                  | 24.730            |                    |         |
| 5,900.00                                | 5,777.50            | 5,817.50            | 5,817.50            | 29.35           | 201.37      | -150.91               | 1,409.16                          | -4,387.29  | 5,580.04             | 5,351.30              | 228.74                  | 24.394            |                    |         |
| 6,000.00                                | 5,875.14            | 5,915.14            | 5,915.14            | 29.86           | 204.78      | -151.02               | 1,409.16                          | -4,387.29  | 5,599.04             | 5,366.42              | 232.62                  | 24.070            |                    |         |
| 6,100.00                                | 5,972.78            | 6,012.78            | 6,012.78            | 30.37           | 208.19      | -151.13               | 1,409.16                          | -4,387.29  | 5,618.06             | 5,381.57              | 236.49                  | 23.756            |                    |         |
| 6,200.00                                | 6,070.41            | 6,110.41            | 6,110.41            | 30.88           | 211.59      | -151.23               | 1,409.16                          | -4,387.29  | 5,637.10             | 5,396.73              | 240.37                  | 23.452            |                    |         |
| 6,300.00                                | 6,168.05            | 6,208.05            | 6,208.05            | 31.39           | 215.00      | -151.34               | 1,409.16                          | -4,387.29  | 5,656.15             | 5,411.91              | 244.24                  | 23.158            |                    |         |
| 6,400.00                                | 6,265.69            | 6,305.69            | 6,305.69            | 31.90           | 218.41      | -151.44               | 1,409.16                          | -4,387.29  | 5,675.23             | 5,427.11              | 248.12                  | 22.873            |                    |         |
| 6,439.09                                | 6,303.85            | 6,343.85            | 6,343.85            | 32.10           | 219.74      | -151.48               | 1,409.16                          | -4,387.29  | 5,682.69             | 5,433.05              | 249.63                  | 22.764            |                    |         |
| 6,450.00                                | 6,314.53            | 6,354.53            | 6,354.53            | 32.16           | 220.12      | -150.05               | 1,409.16                          | -4,387.29  | 5,684.68             | 5,434.62              | 250.06                  | 22.734            |                    |         |
| 6,500.00                                | 6,363.83            | 6,403.83            | 6,403.83            | 32.39           | 221.84      | -138.80               | 1,409.16                          | -4,387.29  | 5,691.49             | 5,439.49              | 252.00                  | 22.585            |                    |         |
| 6,550.00                                | 6,413.58            | 6,453.58            | 6,453.58            | 32.60           | 223.57      | -106.31               | 1,409.16                          | -4,387.29  | 5,694.46             | 5,440.52              | 253.95                  | 22.424            |                    |         |
| 6,600.00                                | 6,463.45            | 6,503.45            | 6,503.45            | 32.79           | 225.31      | -45.49                | 1,409.16                          | -4,387.29  | 5,693.58             | 5,437.70              | 255.88                  | 22.251            |                    |         |
| 6,650.00                                | 6,513.15            | 6,553.15            | 6,553.15            | 32.97           | 227.05      | -17.93                | 1,409.16                          | -4,387.29  | 5,688.84             | 5,431.06              | 257.78                  | 22.068            |                    |         |
| 6,700.00                                | 6,562.37            | 6,602.37            | 6,602.37            | 33.15           | 228.77      | -7.81                 | 1,409.16                          | -4,387.29  | 5,680.28             | 5,420.62              | 259.65                  | 21.876            |                    |         |
| 6,750.00                                | 6,610.80            | 6,650.80            | 6,650.80            | 33.34           | 230.46      | -2.78                 | 1,409.16                          | -4,387.29  | 5,667.94             | 5,406.46              | 261.48                  | 21.676            |                    |         |
| 6,800.00                                | 6,658.14            | 6,698.14            | 6,698.14            | 33.53           | 232.24      | 0.28                  | 1,409.16                          | -4,387.29  | 5,651.90             | 5,388.52              | 263.38                  | 21.459            |                    |         |
| 6,850.00                                | 6,704.11            | 6,744.11            | 6,744.11            | 33.74           | 233.71      | 2.46                  | 1,409.16                          | -4,387.29  | 5,632.27             | 5,367.30              | 264.96                  | 21.257            |                    |         |
| 6,900.00                                | 6,748.42            | 6,788.42            | 6,788.42            | 33.97           | 235.26      | 4.19                  | 1,409.16                          | -4,387.29  | 5,609.15             | 5,342.55              | 266.60                  | 21.040            |                    |         |
| 6,950.00                                | 6,790.79            | 6,830.79            | 6,830.79            | 34.21           | 236.74      | 5.71                  | 1,409.16                          | -4,387.29  | 5,582.71             | 5,314.55              | 268.15                  | 20.819            |                    |         |
| 7,000.00                                | 6,830.97            | 6,870.97            | 6,870.97            | 34.48           | 238.14      | 7.16                  | 1,409.16                          | -4,387.29  | 5,553.09             | 5,283.47              | 269.62                  | 20.596            |                    |         |
| 7,050.00                                | 6,868.71            | 6,908.71            | 6,908.71            | 34.77           | 239.46      | 8.65                  | 1,409.16                          | -4,387.29  | 5,520.48             | 5,249.50              | 270.99                  | 20.372            |                    |         |
| 7,100.00                                | 6,903.77            | 6,943.77            | 6,943.77            | 35.09           | 240.68      | 10.28                 | 1,409.16                          | -4,387.29  | 5,485.09             | 5,212.84              | 272.25                  | 20.147            |                    |         |
| 7,150.00                                | 6,935.93            | 6,975.93            | 6,975.93            | 35.44           | 241.81      | 12.15                 | 1,409.16                          | -4,387.29  | 5,447.14             | 5,173.74              | 273.40                  | 19.923            |                    |         |
| 7,200.00                                | 6,965.01            | 7,005.01            | 7,005.01            | 35.83           | 242.82      | 14.40                 | 1,409.16                          | -4,387.29  | 5,406.85             | 5,132.41              | 274.44                  | 19.701            |                    |         |
| 7,250.00                                | 6,990.82            | 7,030.82            | 7,030.82            | 36.26           | 243.72      | 17.21                 | 1,409.16                          | -4,387.29  | 5,364.49             | 5,089.13              | 275.36                  | 19.482            |                    |         |
| 7,300.00                                | 7,013.20            | 7,053.20            | 7,053.20            | 36.72           | 244.50      | 20.89                 | 1,409.16                          | -4,387.29  | 5,320.31             | 5,044.15              | 276.16                  | 19.265            |                    |         |
| 7,350.00                                | 7,032.02            | 7,072.02            | 7,072.02            | 37.23           | 245.16      | 25.91                 | 1,409.16                          | -4,387.29  | 5,274.59             | 4,997.76              | 276.83                  | 19.054            |                    |         |
| 7,400.00                                | 7,047.15            | 7,087.15            | 7,087.15            | 37.77           | 245.69      | 33.05                 | 1,409.16                          | -4,387.29  | 5,227.62             | 4,950.24              | 277.37                  | 18.847            |                    |         |
| 7,450.00                                | 7,058.51            | 7,101.49            | 7,098.51            | 38.34           | 246.19      | 43.60                 | 1,409.16                          | -4,387.29  | 5,179.67             | 4,901.78              | 277.89                  | 18.639            |                    |         |
| 7,500.00                                | 7,066.02            | 7,106.02            | 7,106.02            | 38.95           | 246.35      | 59.23                 | 1,409.16                          | -4,387.29  | 5,131.07             | 4,852.99              | 278.08                  | 18.452            |                    |         |
| 7,550.00                                | 7,069.64            | 7,109.64            | 7,109.64            | 39.58           | 246.47      | 80.28                 | 1,409.16                          | -4,387.29  | 5,082.10             | 4,803.86              | 278.24                  | 18.265            |                    |         |
| 7,571.20                                | 7,070.00            | 7,110.00            | 7,110.00            | 39.85           | 246.49      | 89.97                 | 1,409.16                          | -4,387.29  | 5,061.30             | 4,783.03              | 278.27                  | 18.189            |                    |         |
| 7,600.00                                | 7,070.00            | 7,110.00            | 7,110.00            | 40.23           | 246.49      | 89.97                 | 1,409.16                          | -4,387.29  | 5,033.05             | 4,754.75              | 278.29                  | 18.085            |                    |         |
| 7,700.00                                | 7,070.01            | 7,110.01            | 7,110.01            | 41.64           | 246.49      | 89.97                 | 1,409.16                          | -4,387.29  | 4,935.00             | 4,656.61              | 278.39                  | 17.727            |                    |         |
| 7,800.00                                | 7,070.02            | 7,110.02            | 7,110.02            | 43.20           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 4,837.04             | 4,558.53              | 278.51                  | 17.368            |                    |         |
| 7,900.00                                | 7,070.03            | 7,110.03            | 7,110.03            | 44.89           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 4,739.16             | 4,460.52              | 278.64                  | 17.008            |                    |         |
| 8,000.00                                | 7,070.04            | 7,110.04            | 7,110.04            | 46.69           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 4,641.38             | 4,362.58              | 278.80                  | 16.648            |                    |         |
| 8,100.00                                | 7,070.05            | 7,110.05            | 7,110.05            | 48.60           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 4,543.69             | 4,264.70              | 278.98                  | 16.287            |                    |         |
| 8,200.00                                | 7,070.05            | 7,110.05            | 7,110.05            | 50.59           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 4,446.10             | 4,166.91              | 279.19                  | 15.925            |                    |         |
| 8,300.00                                | 7,070.06            | 7,110.06            | 7,110.06            | 52.66           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 4,348.62             | 4,069.19              | 279.43                  | 15.562            |                    |         |
| 8,400.00                                | 7,070.07            | 7,110.07            | 7,110.07            | 54.81           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 4,251.26             | 3,971.56              | 279.70                  | 15.199            |                    |         |
| 8,500.00                                | 7,070.08            | 7,110.08            | 7,110.08            | 57.02           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 4,154.03             | 3,874.02              | 280.01                  | 14.835            |                    |         |
| 8,600.00                                | 7,070.09            | 7,110.09            | 7,110.09            | 59.28           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 4,056.93             | 3,776.58              | 280.35                  | 14.471            |                    |         |
| 8,700.00                                | 7,070.10            | 7,110.10            | 7,110.10            | 61.60           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,959.97             | 3,679.24              | 280.73                  | 14.106            |                    |         |
| 8,800.00                                | 7,070.11            | 7,110.11            | 7,110.11            | 63.95           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,863.17             | 3,582.01              | 281.16                  | 13.740            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,110.12            | 7,110.12            | 66.35           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,766.54             | 3,484.89              | 281.64                  | 13.373            |                    |         |
| 9,000.00                                | 7,070.13            | 7,110.13            | 7,110.13            | 68.79           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,670.08             | 3,387.90              | 282.18                  | 13.006            |                    |         |
| 9,100.00                                | 7,070.13            | 7,110.13            | 7,110.13            | 71.25           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,573.82             | 3,291.05              | 282.77                  | 12.638            |                    |         |
| 9,200.00                                | 7,070.14            | 7,110.14            | 7,110.14            | 73.74           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,477.78             | 3,194.34              | 283.43                  | 12.270            |                    |         |
| 9,300.00                                | 7,070.15            | 7,110.15            | 7,110.15            | 76.26           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,381.96             | 3,097.79              | 284.17                  | 11.901            |                    |         |
| 9,400.00                                | 7,070.16            | 7,110.16            | 7,110.16            | 78.80           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,286.39             | 3,001.41              | 284.97                  | 11.532            |                    |         |
| 9,500.00                                | 7,070.17            | 7,110.17            | 7,110.17            | 81.37           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,191.09             | 2,905.22              | 285.87                  | 11.163            |                    |         |
| 9,600.00                                | 7,070.18            | 7,110.18            | 7,110.18            | 83.95           | 246.49      | 89.98                 | 1,409.16                          | -4,387.29  | 3,096.09             | 2,809.23              | 286.86                  | 10.793            |                    |         |
| 9,700.00                                | 7,070.19            | 7,110.19            | 7,110.19            | 86.55           | 246.49      | 89.99                 | 1,409.16                          | -4,387.29  | 3,001.41             | 2,713.46              | 287.95                  | 10.423            |                    |         |
| 9,800.00                                | 7,070.20            | 7,110.20            | 7,110.20            | 89.17           | 246.49      | 89.99                 | 1,409.16                          | -4,387.29  | 2,907.09             | 2,617.94              | 289.15                  | 10.054            |                    |         |
| 9,900.00                                | 7,070.21            | 7,110.21            | 7,110.21            | 91.80           | 246.49      | 89.99                 | 1,409.16                          | -4,387.29  | 2,813.17             | 2,522.69              | 290.48                  | 9.685             |                    |         |
| 10,000.00                               | 7,070.21            | 7,110.21            | 7,110.21            | 94.44           | 246.49      | 89.99                 | 1,409.16                          | -4,387.29  | 2,719.67             | 2,427.73              | 291.94                  | 9.316             |                    |         |
| 10,100.00                               | 7,070.22            | 7,110.22            | 7,110.22            | 97.10           | 246.49      | 89.99                 | 1,409.16                          | -4,387.29  | 2,626.66             | 2,333.11              | 293.55                  | 8.948             |                    |         |
| 10,200.00                               | 7,070.23            | 7,110.23            | 7,110.23            | 99.77           | 246.49      | 89.99                 | 1,409.16                          | -4,387.29  | 2,534.18             | 2,238.85              | 295.32                  | 8.581             |                    |         |
| 10,300.00                               | 7,070.24            | 7,110.24            | 7,110.24            | 102.44          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 2,442.28             | 2,145.01              | 297.27                  | 8.216             |                    |         |
| 10,400.00                               | 7,070.25            | 7,110.25            | 7,110.25            | 105.13          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 2,351.06             | 2,051.64              | 299.41                  | 7.852             |                    |         |
| 10,500.00                               | 7,070.26            | 7,110.26            | 7,110.26            | 107.83          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 2,260.57             | 1,958.80              | 301.77                  | 7.491             |                    |         |
| 10,600.00                               | 7,070.27            | 7,110.27            | 7,110.27            | 110.53          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 2,170.92             | 1,866.55              | 304.37                  | 7.133             |                    |         |
| 10,700.00                               | 7,070.28            | 7,110.28            | 7,110.28            | 113.24          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 2,082.21             | 1,774.99              | 307.22                  | 6.778             |                    |         |
| 10,800.00                               | 7,070.28            | 7,110.28            | 7,110.28            | 115.96          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 1,994.57             | 1,684.21              | 310.36                  | 6.427             |                    |         |
| 10,900.00                               | 7,070.29            | 7,110.29            | 7,110.29            | 118.69          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 1,908.15             | 1,594.34              | 313.81                  | 6.081             |                    |         |
| 11,000.00                               | 7,070.30            | 7,110.30            | 7,110.30            | 121.42          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 1,823.11             | 1,505.51              | 317.60                  | 5.740             |                    |         |
| 11,100.00                               | 7,070.31            | 7,110.31            | 7,110.31            | 124.16          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 1,739.67             | 1,417.91              | 321.76                  | 5.407             |                    |         |
| 11,200.00                               | 7,070.32            | 7,110.32            | 7,110.32            | 126.90          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 1,658.06             | 1,331.73              | 326.33                  | 5.081             |                    |         |
| 11,300.00                               | 7,070.33            | 7,110.33            | 7,110.33            | 129.65          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 1,578.57             | 1,247.25              | 331.32                  | 4.764             |                    |         |
| 11,400.00                               | 7,070.34            | 7,110.34            | 7,110.34            | 132.40          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 1,501.53             | 1,164.76              | 336.77                  | 4.459             |                    |         |
| 11,500.00                               | 7,070.35            | 7,110.35            | 7,110.35            | 135.16          | 246.50      | 89.99                 | 1,409.16                          | -4,387.29  | 1,427.34             | 1,084.65              | 342.69                  | 4.165             |                    |         |
| 11,600.00                               | 7,070.36            | 7,110.36            | 7,110.36            | 137.92          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,356.47             | 1,007.38              | 349.09                  | 3.886             |                    |         |
| 11,700.00                               | 7,070.36            | 7,110.36            | 7,110.36            | 140.69          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,289.46             | 933.53                | 355.93                  | 3.623             |                    |         |
| 11,800.00                               | 7,070.37            | 7,110.37            | 7,110.37            | 143.46          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,226.96             | 863.78                | 363.18                  | 3.378             |                    |         |
| 11,900.00                               | 7,070.38            | 7,110.38            | 7,110.38            | 146.23          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,169.68             | 798.95                | 370.73                  | 3.155             |                    |         |
| 12,000.00                               | 7,070.39            | 7,110.39            | 7,110.39            | 149.01          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,118.42             | 739.99                | 378.42                  | 2.955             |                    |         |
| 12,100.00                               | 7,070.40            | 7,110.40            | 7,110.40            | 151.79          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,074.04             | 688.01                | 386.03                  | 2.782             |                    |         |
| 12,200.00                               | 7,070.41            | 7,110.41            | 7,110.41            | 154.57          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,037.44             | 644.17                | 393.27                  | 2.638             |                    |         |
| 12,300.00                               | 7,070.42            | 7,110.42            | 7,110.42            | 157.35          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,009.45             | 609.66                | 399.79                  | 2.525             |                    |         |
| 12,400.00                               | 7,070.43            | 7,110.43            | 7,110.43            | 160.14          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 990.81               | 585.55                | 405.25                  | 2.445             |                    |         |
| 12,500.00                               | 7,070.44            | 7,110.44            | 7,110.44            | 162.93          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 982.04               | 572.70                | 409.34                  | 2.399             |                    |         |
| 12,536.44                               | 7,070.44            | 7,110.44            | 7,110.44            | 163.95          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 981.37               | 570.92                | 410.45                  | 2.391 CC, ES      |                    |         |
| 12,600.00                               | 7,070.44            | 7,110.44            | 7,110.44            | 165.72          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 983.42               | 571.57                | 411.86                  | 2.388 SF          |                    |         |
| 12,700.00                               | 7,070.45            | 7,110.45            | 7,110.45            | 168.52          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 994.90               | 582.18                | 412.73                  | 2.411             |                    |         |
| 12,800.00                               | 7,070.46            | 7,110.46            | 7,110.46            | 171.32          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,016.14             | 604.11                | 412.04                  | 2.466             |                    |         |
| 12,900.00                               | 7,070.47            | 7,110.47            | 7,110.47            | 174.11          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,046.55             | 636.56                | 409.99                  | 2.553             |                    |         |
| 13,000.00                               | 7,070.48            | 7,110.48            | 7,110.48            | 176.92          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,085.34             | 678.48                | 406.86                  | 2.668             |                    |         |
| 13,100.00                               | 7,070.49            | 7,110.49            | 7,110.49            | 179.72          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,131.67             | 728.72                | 402.95                  | 2.808             |                    |         |
| 13,200.00                               | 7,070.50            | 7,110.50            | 7,110.50            | 182.52          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,184.65             | 786.11                | 398.54                  | 2.972             |                    |         |
| 13,300.00                               | 7,070.51            | 7,110.51            | 7,110.51            | 185.33          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,243.42             | 849.57                | 393.85                  | 3.157             |                    |         |
| 13,400.00                               | 7,070.52            | 7,110.52            | 7,110.52            | 188.14          | 246.50      | 90.00                 | 1,409.16                          | -4,387.29  | 1,307.22             | 918.13                | 389.08                  | 3.360             |                    |         |
| 13,500.00                               | 7,070.52            | 7,110.52            | 7,110.52            | 190.95          | 246.51      | 90.00                 | 1,409.16                          | -4,387.29  | 1,375.33             | 990.97                | 384.36                  | 3.578             |                    |         |
| 13,600.00                               | 7,070.53            | 7,110.53            | 7,110.53            | 193.76          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 1,447.15             | 1,067.38              | 379.77                  | 3.811             |                    |         |
| 13,700.00                               | 7,070.54            | 7,110.54            | 7,110.54            | 196.57          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 1,522.15             | 1,146.78              | 375.38                  | 4.055             |                    |         |
| 13,800.00                               | 7,070.55            | 7,110.55            | 7,110.55            | 199.38          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 1,599.89             | 1,228.69              | 371.21                  | 4.310             |                    |         |
| 13,900.00                               | 7,070.56            | 7,110.56            | 7,110.56            | 202.20          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 1,679.99             | 1,312.71              | 367.28                  | 4.574             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,110.57            | 7,110.57            | 205.01          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 1,762.13             | 1,398.52              | 363.60                  | 4.846             |                    |         |
| 14,100.00                               | 7,070.58            | 7,110.58            | 7,110.58            | 207.83          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 1,846.02             | 1,485.86              | 360.16                  | 5.126             |                    |         |
| 14,200.00                               | 7,070.59            | 7,110.59            | 7,110.59            | 210.65          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 1,931.45             | 1,574.50              | 356.96                  | 5.411             |                    |         |
| 14,300.00                               | 7,070.60            | 7,110.60            | 7,110.60            | 213.47          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,018.22             | 1,664.26              | 353.97                  | 5.702             |                    |         |
| 14,400.00                               | 7,070.60            | 7,110.60            | 7,110.60            | 216.29          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,106.17             | 1,754.98              | 351.18                  | 5.997             |                    |         |
| 14,500.00                               | 7,070.61            | 7,110.61            | 7,110.61            | 219.11          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,195.14             | 1,846.55              | 348.59                  | 6.297             |                    |         |
| 14,600.00                               | 7,070.62            | 7,110.62            | 7,110.62            | 221.94          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,285.03             | 1,938.85              | 346.18                  | 6.601             |                    |         |
| 14,700.00                               | 7,070.63            | 7,110.63            | 7,110.63            | 224.76          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,375.72             | 2,031.80              | 343.93                  | 6.908             |                    |         |
| 14,800.00                               | 7,070.64            | 7,110.64            | 7,110.64            | 227.58          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,467.14             | 2,125.31              | 341.83                  | 7.217             |                    |         |
| 14,900.00                               | 7,070.65            | 7,110.65            | 7,110.65            | 230.41          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,559.20             | 2,219.33              | 339.87                  | 7.530             |                    |         |
| 15,000.00                               | 7,070.66            | 7,110.66            | 7,110.66            | 233.24          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,651.83             | 2,313.79              | 338.04                  | 7.845             |                    |         |
| 15,100.00                               | 7,070.67            | 7,110.67            | 7,110.67            | 236.06          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,744.98             | 2,408.65              | 336.33                  | 8.162             |                    |         |
| 15,200.00                               | 7,070.68            | 7,110.68            | 7,110.68            | 238.89          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,838.60             | 2,503.87              | 334.72                  | 8.480             |                    |         |
| 15,300.00                               | 7,070.68            | 7,110.68            | 7,110.68            | 241.72          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 2,932.63             | 2,599.41              | 333.22                  | 8.801             |                    |         |
| 15,400.00                               | 7,070.69            | 7,110.69            | 7,110.69            | 244.55          | 246.51      | 90.01                 | 1,409.16                          | -4,387.29  | 3,027.05             | 2,695.24              | 331.81                  | 9.123             |                    |         |
| 15,500.00                               | 7,070.70            | 7,110.70            | 7,110.70            | 247.38          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,121.82             | 2,791.34              | 330.48                  | 9.446             |                    |         |
| 15,600.00                               | 7,070.71            | 7,110.71            | 7,110.71            | 250.21          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,216.90             | 2,887.67              | 329.24                  | 9.771             |                    |         |
| 15,700.00                               | 7,070.72            | 7,110.72            | 7,110.72            | 253.04          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,312.28             | 2,984.21              | 328.06                  | 10.096            |                    |         |
| 15,800.00                               | 7,070.73            | 7,110.73            | 7,110.73            | 255.87          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,407.92             | 3,080.96              | 326.96                  | 10.423            |                    |         |
| 15,900.00                               | 7,070.74            | 7,110.74            | 7,110.74            | 258.71          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,503.80             | 3,177.88              | 325.91                  | 10.751            |                    |         |
| 16,000.00                               | 7,070.75            | 7,110.75            | 7,110.75            | 261.54          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,599.91             | 3,274.98              | 324.93                  | 11.079            |                    |         |
| 16,100.00                               | 7,070.76            | 7,110.76            | 7,110.76            | 264.37          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,696.22             | 3,372.22              | 324.00                  | 11.408            |                    |         |
| 16,200.00                               | 7,070.76            | 7,110.76            | 7,110.76            | 267.21          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,792.72             | 3,469.60              | 323.12                  | 11.738            |                    |         |
| 16,300.00                               | 7,070.77            | 7,110.77            | 7,110.77            | 270.04          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,889.40             | 3,567.12              | 322.29                  | 12.068            |                    |         |
| 16,400.00                               | 7,070.78            | 7,110.78            | 7,110.78            | 272.88          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 3,986.25             | 3,664.75              | 321.50                  | 12.399            |                    |         |
| 16,500.00                               | 7,070.79            | 7,110.79            | 7,110.79            | 275.71          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 4,083.24             | 3,762.49              | 320.75                  | 12.730            |                    |         |
| 16,600.00                               | 7,070.80            | 7,110.80            | 7,110.80            | 278.55          | 246.51      | 90.02                 | 1,409.16                          | -4,387.29  | 4,180.38             | 3,860.34              | 320.04                  | 13.062            |                    |         |
| 16,700.00                               | 7,070.81            | 7,110.81            | 7,110.81            | 281.39          | 246.52      | 90.02                 | 1,409.16                          | -4,387.29  | 4,277.65             | 3,958.28              | 319.37                  | 13.394            |                    |         |
| 16,800.00                               | 7,070.82            | 7,110.82            | 7,110.82            | 284.22          | 246.52      | 90.02                 | 1,409.16                          | -4,387.29  | 4,375.04             | 4,056.32              | 318.73                  | 13.727            |                    |         |
| 16,900.00                               | 7,070.83            | 7,110.83            | 7,110.83            | 287.06          | 246.52      | 90.02                 | 1,409.16                          | -4,387.29  | 4,472.55             | 4,154.43              | 318.12                  | 14.059            |                    |         |
| 17,000.00                               | 7,070.84            | 7,110.84            | 7,110.84            | 289.90          | 246.52      | 90.02                 | 1,409.16                          | -4,387.29  | 4,570.17             | 4,252.63              | 317.54                  | 14.392            |                    |         |
| 17,100.00                               | 7,070.84            | 7,110.84            | 7,110.84            | 292.74          | 246.52      | 90.02                 | 1,409.16                          | -4,387.29  | 4,667.88             | 4,350.89              | 316.99                  | 14.726            |                    |         |
| 17,200.00                               | 7,070.85            | 7,110.85            | 7,110.85            | 295.58          | 246.52      | 90.02                 | 1,409.16                          | -4,387.29  | 4,765.70             | 4,449.23              | 316.47                  | 15.059            |                    |         |
| 17,300.00                               | 7,070.86            | 7,110.86            | 7,110.86            | 298.42          | 246.52      | 90.02                 | 1,409.16                          | -4,387.29  | 4,863.60             | 4,547.63              | 315.97                  | 15.393            |                    |         |
| 17,400.00                               | 7,070.87            | 7,110.87            | 7,110.87            | 301.26          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 4,961.58             | 4,646.09              | 315.49                  | 15.726            |                    |         |
| 17,500.00                               | 7,070.88            | 7,110.88            | 7,110.88            | 304.10          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,059.64             | 4,744.60              | 315.04                  | 16.060            |                    |         |
| 17,600.00                               | 7,070.89            | 7,110.89            | 7,110.89            | 306.94          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,157.78             | 4,843.17              | 314.61                  | 16.394            |                    |         |
| 17,700.00                               | 7,070.90            | 7,110.90            | 7,110.90            | 309.78          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,255.99             | 4,941.79              | 314.20                  | 16.728            |                    |         |
| 17,800.00                               | 7,070.91            | 7,110.91            | 7,110.91            | 312.62          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,354.26             | 5,040.46              | 313.81                  | 17.062            |                    |         |
| 17,900.00                               | 7,070.92            | 7,110.92            | 7,110.92            | 315.46          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,452.60             | 5,139.17              | 313.43                  | 17.396            |                    |         |
| 18,000.00                               | 7,070.92            | 7,110.92            | 7,110.92            | 318.31          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,551.00             | 5,237.92              | 313.07                  | 17.731            |                    |         |
| 18,100.00                               | 7,070.93            | 7,110.93            | 7,110.93            | 321.15          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,649.45             | 5,336.72              | 312.73                  | 18.065            |                    |         |
| 18,200.00                               | 7,070.94            | 7,110.94            | 7,110.94            | 323.99          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,747.95             | 5,435.55              | 312.41                  | 18.399            |                    |         |
| 18,300.00                               | 7,070.95            | 7,110.95            | 7,110.95            | 326.83          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,846.51             | 5,534.42              | 312.10                  | 18.733            |                    |         |
| 18,400.00                               | 7,070.96            | 7,110.96            | 7,110.96            | 329.68          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 5,945.12             | 5,633.32              | 311.80                  | 19.067            |                    |         |
| 18,500.00                               | 7,070.97            | 7,110.97            | 7,110.97            | 332.52          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 6,043.77             | 5,732.25              | 311.51                  | 19.401            |                    |         |
| 18,600.00                               | 7,070.98            | 7,110.98            | 7,110.98            | 335.36          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 6,142.46             | 5,831.22              | 311.24                  | 19.735            |                    |         |
| 18,700.00                               | 7,070.99            | 7,110.99            | 7,110.99            | 338.21          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 6,241.20             | 5,930.21              | 310.98                  | 20.069            |                    |         |
| 18,800.00                               | 7,070.99            | 7,110.99            | 7,110.99            | 341.05          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 6,339.97             | 6,029.24              | 310.74                  | 20.403            |                    |         |
| 18,858.54                               | 7,071.00            | 7,111.00            | 7,111.00            | 342.72          | 246.52      | 90.03                 | 1,409.16                          | -4,387.29  | 6,397.81             | 6,087.22              | 310.60                  | 20.598            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                    | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 164.72                | -3,736.66                         | 1,020.49   | 3,873.51             |                       |                         |                   |                    |         |
| 100.00                  | 100.00              | 78.14               | 78.14               | 3.28            | 3.28        | 164.73                | -3,736.91                         | 1,020.18   | 3,873.70             | 3,867.13              | 6.57                    | 589.669           |                    |         |
| 200.00                  | 200.00              | 167.78              | 167.77              | 3.34            | 3.32        | 164.74                | -3,737.65                         | 1,019.43   | 3,874.26             | 3,867.61              | 6.66                    | 581.907           |                    |         |
| 300.00                  | 300.00              | 291.67              | 291.66              | 3.44            | 3.44        | 164.75                | -3,738.34                         | 1,019.19   | 3,874.78             | 3,867.89              | 6.89                    | 562.587           |                    |         |
| 400.00                  | 399.98              | 384.68              | 384.67              | 3.60            | 3.58        | 92.27                 | -3,738.39                         | 1,019.37   | 3,874.96             | 3,867.78              | 7.18                    | 539.465           |                    |         |
| 500.00                  | 499.84              | 491.90              | 491.88              | 3.80            | 3.79        | 92.34                 | -3,738.50                         | 1,019.73   | 3,875.35             | 3,867.76              | 7.59                    | 510.589           |                    |         |
| 600.00                  | 599.45              | 585.19              | 585.18              | 4.04            | 4.01        | 92.44                 | -3,738.49                         | 1,020.17   | 3,875.84             | 3,867.79              | 8.05                    | 481.718           |                    |         |
| 700.00                  | 698.70              | 688.10              | 688.09              | 4.32            | 4.28        | 92.61                 | -3,738.61                         | 1,020.49   | 3,876.57             | 3,867.97              | 8.59                    | 451.087           |                    |         |
| 800.00                  | 797.47              | 795.96              | 795.95              | 4.63            | 4.59        | 92.84                 | -3,738.50                         | 1,020.89   | 3,877.33             | 3,868.11              | 9.22                    | 420.676           |                    |         |
| 900.00                  | 895.62              | 902.76              | 902.74              | 4.97            | 4.92        | 93.12                 | -3,738.15                         | 1,021.30   | 3,878.10             | 3,868.21              | 9.89                    | 392.130           |                    |         |
| 924.00                  | 919.08              | 922.35              | 922.33              | 5.06            | 4.99        | 93.17                 | -3,738.08                         | 1,021.34   | 3,878.32             | 3,868.28              | 10.04                   | 386.299           |                    |         |
| 1,000.00                | 993.28              | 986.14              | 986.13              | 5.34            | 5.20        | 93.37                 | -3,737.98                         | 1,021.46   | 3,879.20             | 3,868.66              | 10.53                   | 368.227           |                    |         |
| 1,100.00                | 1,090.92            | 1,079.52            | 1,079.50            | 5.73            | 5.52        | 93.67                 | -3,738.05                         | 1,021.59   | 3,880.66             | 3,869.42              | 11.25                   | 344.978           |                    |         |
| 1,200.00                | 1,188.56            | 1,181.39            | 1,181.37            | 6.15            | 5.87        | 93.99                 | -3,738.16                         | 1,021.61   | 3,882.25             | 3,870.23              | 12.01                   | 323.119           |                    |         |
| 1,300.00                | 1,286.19            | 1,271.19            | 1,271.17            | 6.57            | 6.19        | 94.28                 | -3,738.24                         | 1,021.61   | 3,883.95             | 3,871.19              | 12.76                   | 304.368           |                    |         |
| 1,400.00                | 1,383.83            | 1,381.10            | 1,381.09            | 7.01            | 6.60        | 94.63                 | -3,738.40                         | 1,021.74   | 3,885.84             | 3,872.24              | 13.60                   | 285.682           |                    |         |
| 1,500.00                | 1,481.47            | 1,474.76            | 1,474.75            | 7.46            | 6.94        | 94.92                 | -3,738.31                         | 1,021.72   | 3,887.59             | 3,873.20              | 14.40                   | 270.049           |                    |         |
| 1,600.00                | 1,579.10            | 1,574.85            | 1,574.83            | 7.91            | 7.32        | 95.25                 | -3,738.40                         | 1,021.48   | 3,889.58             | 3,874.36              | 15.22                   | 255.487           |                    |         |
| 1,700.00                | 1,676.74            | 1,664.25            | 1,664.23            | 8.37            | 7.65        | 95.53                 | -3,738.44                         | 1,021.31   | 3,891.68             | 3,875.65              | 16.02                   | 242.851           |                    |         |
| 1,800.00                | 1,774.38            | 1,754.69            | 1,754.67            | 8.84            | 8.00        | 95.82                 | -3,738.77                         | 1,021.05   | 3,894.16             | 3,877.32              | 16.84                   | 231.222           |                    |         |
| 1,900.00                | 1,872.02            | 1,848.16            | 1,848.14            | 9.31            | 8.37        | 96.12                 | -3,739.23                         | 1,020.62   | 3,896.87             | 3,879.19              | 17.68                   | 220.409           |                    |         |
| 2,000.00                | 1,969.65            | 1,952.49            | 1,952.47            | 9.79            | 8.78        | 96.46                 | -3,739.80                         | 1,020.15   | 3,899.76             | 3,881.19              | 18.57                   | 210.006           |                    |         |
| 2,100.00                | 2,067.29            | 2,053.33            | 2,053.31            | 10.27           | 9.18        | 96.79                 | -3,740.10                         | 1,019.41   | 3,902.47             | 3,883.02              | 19.45                   | 200.627           |                    |         |
| 2,200.00                | 2,164.93            | 2,154.15            | 2,154.11            | 10.75           | 9.59        | 97.12                 | -3,740.53                         | 1,018.45   | 3,905.40             | 3,885.07              | 20.34                   | 192.018           |                    |         |
| 2,300.00                | 2,262.56            | 2,254.88            | 2,254.85            | 11.24           | 9.99        | 97.46                 | -3,740.73                         | 1,017.41   | 3,908.23             | 3,887.00              | 21.23                   | 184.080           |                    |         |
| 2,400.00                | 2,360.20            | 2,349.52            | 2,349.47            | 11.73           | 10.38       | 97.77                 | -3,741.00                         | 1,016.37   | 3,911.26             | 3,889.16              | 22.10                   | 176.952           |                    |         |
| 2,500.00                | 2,457.84            | 2,447.59            | 2,447.55            | 12.22           | 10.78       | 98.09                 | -3,741.26                         | 1,015.54   | 3,914.43             | 3,891.44              | 22.99                   | 170.231           |                    |         |
| 2,600.00                | 2,555.48            | 2,549.81            | 2,549.76            | 12.71           | 11.20       | 98.42                 | -3,741.48                         | 1,014.66   | 3,917.69             | 3,893.78              | 23.91                   | 163.872           |                    |         |
| 2,700.00                | 2,653.11            | 2,652.09            | 2,652.04            | 13.20           | 11.62       | 98.75                 | -3,741.53                         | 1,013.68   | 3,920.90             | 3,896.07              | 24.82                   | 157.958           |                    |         |
| 2,800.00                | 2,750.75            | 2,753.06            | 2,753.00            | 13.70           | 12.04       | 99.08                 | -3,741.49                         | 1,012.92   | 3,924.17             | 3,898.44              | 25.73                   | 152.485           |                    |         |
| 2,900.00                | 2,848.39            | 2,848.08            | 2,848.02            | 14.19           | 12.43       | 99.39                 | -3,741.38                         | 1,012.13   | 3,927.49             | 3,900.87              | 26.62                   | 147.512           |                    |         |
| 3,000.00                | 2,946.02            | 2,935.87            | 2,935.81            | 14.69           | 12.80       | 99.67                 | -3,741.48                         | 1,011.31   | 3,931.13             | 3,903.65              | 27.49                   | 143.017           |                    |         |
| 3,100.00                | 3,043.66            | 3,027.15            | 3,027.08            | 15.19           | 13.18       | 99.97                 | -3,741.77                         | 1,010.62   | 3,935.13             | 3,906.76              | 28.37                   | 138.722           |                    |         |
| 3,200.00                | 3,141.30            | 3,125.23            | 3,125.16            | 15.69           | 13.60       | 100.28                | -3,742.06                         | 1,010.12   | 3,939.26             | 3,909.98              | 29.28                   | 134.548           |                    |         |
| 3,300.00                | 3,238.94            | 3,215.72            | 3,215.65            | 16.19           | 13.98       | 100.56                | -3,742.40                         | 1,010.08   | 3,943.63             | 3,913.47              | 30.15                   | 130.779           |                    |         |
| 3,400.00                | 3,336.57            | 3,314.90            | 3,314.83            | 16.69           | 14.39       | 100.87                | -3,742.83                         | 1,010.06   | 3,948.17             | 3,917.10              | 31.07                   | 127.069           |                    |         |
| 3,500.00                | 3,434.21            | 3,414.80            | 3,414.73            | 17.19           | 14.81       | 101.17                | -3,743.17                         | 1,010.04   | 3,952.75             | 3,920.75              | 31.99                   | 123.553           |                    |         |
| 3,600.00                | 3,531.85            | 3,500.60            | 3,500.52            | 17.69           | 15.17       | 101.44                | -3,743.59                         | 1,010.11   | 3,957.58             | 3,924.73              | 32.85                   | 120.468           |                    |         |
| 3,700.00                | 3,629.48            | 3,609.05            | 3,608.97            | 18.20           | 15.63       | 101.77                | -3,744.16                         | 1,009.88   | 3,962.54             | 3,928.73              | 33.81                   | 117.185           |                    |         |
| 3,800.00                | 3,727.12            | 3,692.84            | 3,692.76            | 18.70           | 15.99       | 102.04                | -3,744.67                         | 1,009.52   | 3,967.68             | 3,933.01              | 34.67                   | 114.442           |                    |         |
| 3,900.00                | 3,824.76            | 3,804.81            | 3,804.73            | 19.21           | 16.47       | 102.38                | -3,745.32                         | 1,009.28   | 3,972.93             | 3,937.28              | 35.65                   | 111.439           |                    |         |
| 4,000.00                | 3,922.40            | 3,907.87            | 3,907.79            | 19.71           | 16.91       | 102.70                | -3,745.63                         | 1,009.18   | 3,978.03             | 3,941.43              | 36.59                   | 108.707           |                    |         |
| 4,100.00                | 4,020.03            | 4,006.03            | 4,005.95            | 20.21           | 17.32       | 103.00                | -3,745.84                         | 1,009.17   | 3,983.17             | 3,945.65              | 37.51                   | 106.179           |                    |         |
| 4,200.00                | 4,117.67            | 4,107.46            | 4,107.38            | 20.72           | 17.75       | 103.30                | -3,746.00                         | 1,009.26   | 3,988.35             | 3,949.91              | 38.45                   | 103.741           |                    |         |
| 4,300.00                | 4,215.31            | 4,205.68            | 4,205.60            | 21.23           | 18.16       | 103.59                | -3,746.08                         | 1,009.57   | 3,993.60             | 3,954.24              | 39.36                   | 101.469           |                    |         |
| 4,400.00                | 4,312.94            | 4,296.24            | 4,296.16            | 21.73           | 18.54       | 103.86                | -3,746.23                         | 1,009.93   | 3,999.03             | 3,958.80              | 40.24                   | 99.387            |                    |         |
| 4,500.00                | 4,410.58            | 4,398.80            | 4,398.72            | 22.24           | 18.97       | 104.16                | -3,746.42                         | 1,010.44   | 4,004.61             | 3,963.43              | 41.17                   | 97.268            |                    |         |
| 4,600.00                | 4,508.22            | 4,488.96            | 4,488.88            | 22.75           | 19.35       | 104.43                | -3,746.61                         | 1,010.99   | 4,010.30             | 3,968.26              | 42.05                   | 95.371            |                    |         |
| 4,700.00                | 4,605.86            | 4,583.11            | 4,583.02            | 23.25           | 19.74       | 104.70                | -3,746.95                         | 1,011.39   | 4,016.25             | 3,973.30              | 42.95                   | 93.511            |                    |         |
| 4,800.00                | 4,703.49            | 4,681.38            | 4,681.29            | 23.76           | 20.16       | 104.99                | -3,747.35                         | 1,011.76   | 4,022.34             | 3,978.47              | 43.87                   | 91.689            |                    |         |
| 4,900.00                | 4,801.13            | 4,761.76            | 4,761.67            | 24.27           | 20.50       | 105.23                | -3,747.79                         | 1,012.11   | 4,028.69             | 3,983.98              | 44.71                   | 90.109            |                    |         |
| 5,000.00                | 4,898.77            | 4,847.12            | 4,847.02            | 24.77           | 20.87       | 105.48                | -3,748.67                         | 1,012.36   | 4,035.60             | 3,990.02              | 45.57                   | 88.554            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                | 4,996.40            | 4,943.11            | 4,943.01            | 25.28           | 21.28       | 105.76                | -3,749.79                         | 1,012.33   | 4,042.73             | 3,996.24              | 46.49                   | 86.965            |                    |         |
| 5,200.00                | 5,094.04            | 5,046.86            | 5,046.75            | 25.79           | 21.73       | 106.07                | -3,750.98                         | 1,012.08   | 4,049.95             | 4,002.51              | 47.44                   | 85.372            |                    |         |
| 5,300.00                | 5,191.68            | 5,149.07            | 5,148.95            | 26.30           | 22.17       | 106.38                | -3,751.91                         | 1,011.58   | 4,057.04             | 4,008.66              | 48.38                   | 83.852            |                    |         |
| 5,400.00                | 5,289.32            | 5,250.32            | 5,250.20            | 26.81           | 22.60       | 106.68                | -3,752.84                         | 1,011.28   | 4,064.26             | 4,014.93              | 49.32                   | 82.399            |                    |         |
| 5,500.00                | 5,386.95            | 5,362.68            | 5,362.56            | 27.32           | 23.09       | 107.01                | -3,753.55                         | 1,011.22   | 4,071.31             | 4,020.99              | 50.32                   | 80.913            |                    |         |
| 5,600.00                | 5,484.59            | 5,480.44            | 5,480.31            | 27.83           | 23.59       | 107.35                | -3,753.81                         | 1,011.12   | 4,078.06             | 4,026.73              | 51.33                   | 79.447            |                    |         |
| 5,700.00                | 5,582.23            | 5,564.70            | 5,564.57            | 28.33           | 23.95       | 107.60                | -3,753.84                         | 1,010.87   | 4,084.75             | 4,032.56              | 52.19                   | 78.271            |                    |         |
| 5,800.00                | 5,679.87            | 5,672.04            | 5,671.92            | 28.84           | 24.40       | 107.91                | -3,754.18                         | 1,010.72   | 4,091.81             | 4,038.67              | 53.15                   | 76.991            |                    |         |
| 5,900.00                | 5,777.50            | 5,772.33            | 5,772.21            | 29.35           | 24.82       | 108.20                | -3,754.12                         | 1,010.85   | 4,098.59             | 4,044.52              | 54.07                   | 75.804            |                    |         |
| 6,000.00                | 5,875.14            | 5,861.48            | 5,861.35            | 29.86           | 25.20       | 108.45                | -3,754.19                         | 1,011.16   | 4,105.61             | 4,050.67              | 54.94                   | 74.725            |                    |         |
| 6,100.00                | 5,972.78            | 5,967.22            | 5,967.09            | 30.37           | 25.64       | 108.75                | -3,754.39                         | 1,011.37   | 4,112.84             | 4,056.95              | 55.89                   | 73.583            |                    |         |
| 6,200.00                | 6,070.41            | 6,058.99            | 6,058.86            | 30.88           | 26.03       | 109.01                | -3,754.36                         | 1,011.43   | 4,119.96             | 4,063.18              | 56.78                   | 72.561            |                    |         |
| 6,300.00                | 6,168.05            | 6,159.80            | 6,159.67            | 31.39           | 26.45       | 109.30                | -3,754.58                         | 1,011.65   | 4,127.42             | 4,069.71              | 57.71                   | 71.524            |                    |         |
| 6,400.00                | 6,265.69            | 6,268.47            | 6,268.34            | 31.90           | 26.90       | 109.60                | -3,754.46                         | 1,011.86   | 4,134.64             | 4,075.97              | 58.67                   | 70.476            |                    |         |
| 6,439.09                | 6,303.85            | 6,309.48            | 6,309.36            | 32.10           | 27.07       | 109.71                | -3,754.37                         | 1,012.02   | 4,137.45             | 4,078.42              | 59.04                   | 70.084            |                    |         |
| 6,450.00                | 6,314.53            | 6,321.82            | 6,321.69            | 32.16           | 27.12       | 111.29                | -3,754.34                         | 1,012.06   | 4,138.23             | 4,079.09              | 59.14                   | 69.972            |                    |         |
| 6,500.00                | 6,363.83            | 6,378.76            | 6,378.63            | 32.39           | 27.36       | 123.13                | -3,754.11                         | 1,012.19   | 4,141.66             | 4,082.04              | 59.61                   | 69.475            |                    |         |
| 6,550.00                | 6,413.58            | 6,427.17            | 6,427.04            | 32.60           | 27.56       | 156.04                | -3,753.85                         | 1,012.22   | 4,144.88             | 4,084.85              | 60.02                   | 69.055            |                    |         |
| 6,600.00                | 6,463.45            | 6,470.39            | 6,470.26            | 32.79           | 27.74       | -142.85               | -3,753.69                         | 1,012.29   | 4,147.98             | 4,087.59              | 60.39                   | 68.687            |                    |         |
| 6,650.00                | 6,513.15            | 6,516.36            | 6,516.23            | 32.97           | 27.93       | -115.13               | -3,753.58                         | 1,012.40   | 4,150.96             | 4,090.19              | 60.76                   | 68.316            |                    |         |
| 6,700.00                | 6,562.37            | 6,568.30            | 6,568.17            | 33.15           | 28.15       | -105.00               | -3,753.46                         | 1,012.47   | 4,153.72             | 4,092.56              | 61.16                   | 67.911            |                    |         |
| 6,750.00                | 6,610.80            | 6,626.65            | 6,626.52            | 33.34           | 28.39       | -100.15               | -3,753.25                         | 1,012.47   | 4,156.23             | 4,094.63              | 61.60                   | 67.468            |                    |         |
| 6,800.00                | 6,658.14            | 6,695.20            | 6,695.07            | 33.53           | 28.67       | -97.47                | -3,752.71                         | 1,012.46   | 4,158.36             | 4,096.27              | 62.10                   | 66.963            |                    |         |
| 6,850.00                | 6,704.11            | 6,746.10            | 6,745.96            | 33.74           | 28.89       | -95.78                | -3,752.15                         | 1,012.48   | 4,160.19             | 4,097.67              | 62.53                   | 66.532            |                    |         |
| 6,900.00                | 6,748.42            | 6,793.97            | 6,793.83            | 33.97           | 29.08       | -94.69                | -3,751.58                         | 1,012.53   | 4,161.88             | 4,098.92              | 62.96                   | 66.101            |                    |         |
| 6,950.00                | 6,790.79            | 6,834.84            | 6,834.70            | 34.21           | 29.25       | -93.94                | -3,751.08                         | 1,012.63   | 4,163.50             | 4,100.11              | 63.39                   | 65.686            |                    |         |
| 7,000.00                | 6,830.97            | 6,928.90            | 6,870.95            | 34.48           | 29.65       | -93.41                | -3,750.66                         | 1,012.78   | 4,165.13             | 4,101.07              | 64.05                   | 65.027            |                    |         |
| 7,050.00                | 6,868.71            | 6,908.58            | 6,908.43            | 34.77           | 29.56       | -93.07                | -3,750.25                         | 1,013.10   | 4,166.84             | 4,102.57              | 64.27                   | 64.835            |                    |         |
| 7,100.00                | 6,903.77            | 6,943.36            | 6,943.21            | 35.09           | 29.71       | -92.84                | -3,749.87                         | 1,013.39   | 4,168.67             | 4,103.93              | 64.75                   | 64.385            |                    |         |
| 7,150.00                | 6,935.93            | 6,975.23            | 6,975.07            | 35.44           | 29.84       | -92.67                | -3,749.52                         | 1,013.66   | 4,170.68             | 4,105.43              | 65.24                   | 63.925            |                    |         |
| 7,200.00                | 6,965.01            | 7,003.98            | 7,003.82            | 35.83           | 29.96       | -92.52                | -3,749.21                         | 1,013.91   | 4,172.91             | 4,107.15              | 65.76                   | 63.453            |                    |         |
| 7,250.00                | 6,990.82            | 7,029.45            | 7,029.29            | 36.26           | 30.07       | -92.39                | -3,748.93                         | 1,014.12   | 4,175.43             | 4,109.12              | 66.31                   | 62.970            |                    |         |
| 7,300.00                | 7,013.20            | 7,051.46            | 7,051.30            | 36.72           | 30.16       | -92.24                | -3,748.69                         | 1,014.31   | 4,178.27             | 4,111.40              | 66.88                   | 62.479            |                    |         |
| 7,350.00                | 7,032.02            | 7,069.90            | 7,069.74            | 37.23           | 30.24       | -92.05                | -3,748.49                         | 1,014.46   | 4,181.48             | 4,114.02              | 67.47                   | 61.980            |                    |         |
| 7,400.00                | 7,047.15            | 7,084.64            | 7,084.47            | 37.77           | 30.30       | -91.82                | -3,748.33                         | 1,014.59   | 4,185.08             | 4,117.01              | 68.07                   | 61.478            |                    |         |
| 7,450.00                | 7,058.51            | 7,095.59            | 7,095.43            | 38.34           | 30.35       | -91.53                | -3,748.21                         | 1,014.68   | 4,189.09             | 4,120.39              | 68.70                   | 60.978            |                    |         |
| 7,500.00                | 7,066.02            | 7,102.69            | 7,102.53            | 38.95           | 30.38       | -91.18                | -3,748.13                         | 1,014.74   | 4,193.51             | 4,124.18              | 69.33                   | 60.485            |                    |         |
| 7,550.00                | 7,069.64            | 7,105.89            | 7,105.73            | 39.58           | 30.39       | -90.77                | -3,748.09                         | 1,014.77   | 4,198.34             | 4,128.37              | 69.97                   | 60.005            |                    |         |
| 7,571.20                | 7,070.00            | 7,106.07            | 7,105.90            | 39.85           | 30.39       | -90.58                | -3,748.09                         | 1,014.77   | 4,200.50             | 4,130.27              | 70.23                   | 59.807            |                    |         |
| 7,600.00                | 7,070.00            | 7,105.83            | 7,105.66            | 40.23           | 30.39       | -90.57                | -3,748.09                         | 1,014.77   | 4,203.58             | 4,132.98              | 70.60                   | 59.538            |                    |         |
| 7,700.00                | 7,070.01            | 7,104.99            | 7,104.82            | 41.64           | 30.38       | -90.56                | -3,748.10                         | 1,014.76   | 4,215.79             | 4,143.81              | 71.97                   | 58.574            |                    |         |
| 7,800.00                | 7,070.02            | 7,104.15            | 7,103.99            | 43.20           | 30.38       | -90.55                | -3,748.11                         | 1,014.75   | 4,230.32             | 4,156.86              | 73.46                   | 57.586            |                    |         |
| 7,900.00                | 7,070.03            | 7,103.32            | 7,103.15            | 44.89           | 30.38       | -90.54                | -3,748.12                         | 1,014.75   | 4,247.16             | 4,172.12              | 75.04                   | 56.596            |                    |         |
| 8,000.00                | 7,070.04            | 7,102.48            | 7,102.31            | 46.69           | 30.37       | -90.53                | -3,748.13                         | 1,014.74   | 4,266.28             | 4,189.58              | 76.71                   | 55.618            |                    |         |
| 8,100.00                | 7,070.05            | 7,101.64            | 7,101.48            | 48.60           | 30.37       | -90.51                | -3,748.14                         | 1,014.73   | 4,287.65             | 4,209.22              | 78.43                   | 54.668            |                    |         |
| 8,200.00                | 7,070.05            | 7,100.80            | 7,100.64            | 50.59           | 30.37       | -90.50                | -3,748.15                         | 1,014.73   | 4,311.23             | 4,231.03              | 80.20                   | 53.755            |                    |         |
| 8,300.00                | 7,070.06            | 7,099.97            | 7,099.80            | 52.66           | 30.36       | -90.49                | -3,748.16                         | 1,014.72   | 4,336.99             | 4,254.98              | 82.01                   | 52.887            |                    |         |
| 8,400.00                | 7,070.07            | 7,099.13            | 7,098.96            | 54.81           | 30.36       | -90.48                | -3,748.17                         | 1,014.71   | 4,364.89             | 4,281.06              | 83.83                   | 52.068            |                    |         |
| 8,500.00                | 7,070.08            | 7,098.29            | 7,098.13            | 57.02           | 30.36       | -90.47                | -3,748.18                         | 1,014.70   | 4,394.88             | 4,309.22              | 85.67                   | 51.301            |                    |         |
| 8,600.00                | 7,070.09            | 7,097.46            | 7,097.29            | 59.28           | 30.35       | -90.46                | -3,748.19                         | 1,014.70   | 4,426.94             | 4,339.43              | 87.51                   | 50.590            |                    |         |
| 8,700.00                | 7,070.10            | 7,096.62            | 7,096.45            | 61.60           | 30.35       | -90.45                | -3,748.19                         | 1,014.69   | 4,461.00             | 4,371.66              | 89.34                   | 49.934            |                    |         |
| 8,800.00                | 7,070.11            | 7,095.78            | 7,095.62            | 63.95           | 30.35       | -90.43                | -3,748.20                         | 1,014.68   | 4,497.03             | 4,405.87              | 91.16                   | 49.332            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-MWD                                  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                                      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00   | 7,070.12            | 7,094.95            | 7,094.78            | 66.35           | 30.34       | -90.42                | -3,748.21                         | 1,014.68   | 4,534.98             | 4,442.02              | 92.96                   | 48.785            |                    |         |
| 9,000.00   | 7,070.13            | 7,094.11            | 7,093.94            | 68.79           | 30.34       | -90.41                | -3,748.22                         | 1,014.67   | 4,574.80             | 4,480.06              | 94.73                   | 48.291            |                    |         |
| 9,100.00   | 7,070.13            | 7,093.27            | 7,093.11            | 71.25           | 30.34       | -90.40                | -3,748.23                         | 1,014.66   | 4,616.44             | 4,519.96              | 96.48                   | 47.847            |                    |         |
| 9,200.00   | 7,070.14            | 7,092.43            | 7,092.27            | 73.74           | 30.33       | -90.39                | -3,748.24                         | 1,014.65   | 4,659.86             | 4,561.66              | 98.20                   | 47.452            |                    |         |
| 9,300.00   | 7,070.15            | 7,091.60            | 7,091.43            | 76.26           | 30.33       | -90.38                | -3,748.25                         | 1,014.65   | 4,705.00             | 4,605.12              | 99.88                   | 47.105            |                    |         |
| 9,400.00   | 7,070.16            | 7,090.76            | 7,090.60            | 78.80           | 30.33       | -90.37                | -3,748.26                         | 1,014.64   | 4,751.82             | 4,650.29              | 101.53                  | 46.802            |                    |         |
| 9,500.00   | 7,070.17            | 7,089.92            | 7,089.76            | 81.37           | 30.32       | -90.35                | -3,748.27                         | 1,014.63   | 4,800.27             | 4,697.13              | 103.14                  | 46.542            |                    |         |
| 9,600.00   | 7,070.18            | 7,089.09            | 7,088.92            | 83.95           | 30.32       | -90.34                | -3,748.28                         | 1,014.63   | 4,850.29             | 4,745.58              | 104.71                  | 46.323            |                    |         |
| 9,700.00   | 7,070.19            | 7,088.25            | 7,088.08            | 86.55           | 30.31       | -90.33                | -3,748.29                         | 1,014.62   | 4,901.84             | 4,795.61              | 106.23                  | 46.142            |                    |         |
| 9,800.00   | 7,070.20            | 7,087.41            | 7,087.25            | 89.17           | 30.31       | -90.32                | -3,748.29                         | 1,014.61   | 4,954.87             | 4,847.15              | 107.72                  | 45.998            |                    |         |
| 9,900.00   | 7,070.21            | 7,086.58            | 7,086.41            | 91.80           | 30.31       | -90.31                | -3,748.30                         | 1,014.61   | 5,009.34             | 4,900.18              | 109.16                  | 45.888            |                    |         |
| 10,000.00  | 7,070.21            | 7,085.74            | 7,085.57            | 94.44           | 30.30       | -90.30                | -3,748.31                         | 1,014.60   | 5,065.20             | 4,954.63              | 110.57                  | 45.811            |                    |         |
| 10,100.00  | 7,070.22            | 7,084.90            | 7,084.74            | 97.10           | 30.30       | -90.28                | -3,748.32                         | 1,014.59   | 5,122.40             | 5,010.47              | 111.93                  | 45.765            |                    |         |
| 10,200.00  | 7,070.23            | 7,084.06            | 7,083.90            | 99.77           | 30.30       | -90.27                | -3,748.33                         | 1,014.58   | 5,180.90             | 5,067.65              | 113.25                  | 45.749 SF         |                    |         |
| 10,300.00  | 7,070.24            | 7,083.23            | 7,083.06            | 102.44          | 30.29       | -90.26                | -3,748.34                         | 1,014.58   | 5,240.66             | 5,126.13              | 114.52                  | 45.760            |                    |         |
| 10,400.00  | 7,070.25            | 7,082.39            | 7,082.23            | 105.13          | 30.29       | -90.25                | -3,748.35                         | 1,014.57   | 5,301.62             | 5,185.86              | 115.76                  | 45.797            |                    |         |
| 10,500.00  | 7,070.26            | 7,081.55            | 7,081.39            | 107.83          | 30.29       | -90.24                | -3,748.36                         | 1,014.56   | 5,363.76             | 5,246.80              | 116.96                  | 45.860            |                    |         |
| 10,600.00  | 7,070.27            | 7,080.72            | 7,080.55            | 110.53          | 30.28       | -90.23                | -3,748.37                         | 1,014.56   | 5,427.03             | 5,308.91              | 118.12                  | 45.946            |                    |         |
| 10,700.00  | 7,070.28            | 7,079.88            | 7,079.71            | 113.24          | 30.28       | -90.22                | -3,748.38                         | 1,014.55   | 5,491.39             | 5,372.16              | 119.24                  | 46.054            |                    |         |
| 10,800.00  | 7,070.28            | 7,079.04            | 7,078.88            | 115.96          | 30.28       | -90.20                | -3,748.39                         | 1,014.54   | 5,556.81             | 5,436.49              | 120.32                  | 46.183            |                    |         |
| 10,900.00  | 7,070.29            | 7,078.21            | 7,078.04            | 118.69          | 30.27       | -90.19                | -3,748.40                         | 1,014.53   | 5,623.24             | 5,501.88              | 121.37                  | 46.332            |                    |         |
| 11,000.00  | 7,070.30            | 7,077.37            | 7,077.20            | 121.42          | 30.27       | -90.18                | -3,748.40                         | 1,014.53   | 5,690.66             | 5,568.28              | 122.38                  | 46.501            |                    |         |
| 11,100.00  | 7,070.31            | 7,076.53            | 7,076.37            | 124.16          | 30.27       | -90.17                | -3,748.41                         | 1,014.52   | 5,759.02             | 5,635.67              | 123.35                  | 46.687            |                    |         |
| 11,200.00  | 7,070.32            | 7,075.69            | 7,075.53            | 126.90          | 30.26       | -90.16                | -3,748.42                         | 1,014.51   | 5,828.30             | 5,704.00              | 124.30                  | 46.890            |                    |         |
| 11,300.00  | 7,070.33            | 7,074.86            | 7,074.69            | 129.65          | 30.26       | -90.15                | -3,748.43                         | 1,014.51   | 5,898.46             | 5,773.25              | 125.21                  | 47.109            |                    |         |
| 11,400.00  | 7,070.34            | 7,074.02            | 7,073.86            | 132.40          | 30.25       | -90.14                | -3,748.44                         | 1,014.50   | 5,969.46             | 5,843.38              | 126.09                  | 47.344            |                    |         |
| 11,500.00  | 7,070.35            | 7,073.18            | 7,073.02            | 135.16          | 30.25       | -90.12                | -3,748.45                         | 1,014.49   | 6,041.29             | 5,914.36              | 126.94                  | 47.593            |                    |         |
| 11,600.00  | 7,070.36            | 7,072.35            | 7,072.18            | 137.92          | 30.25       | -90.11                | -3,748.46                         | 1,014.48   | 6,113.91             | 5,986.16              | 127.76                  | 47.856            |                    |         |
| 11,700.00  | 7,070.36            | 7,071.51            | 7,071.35            | 140.69          | 30.24       | -90.10                | -3,748.47                         | 1,014.48   | 6,187.30             | 6,058.75              | 128.55                  | 48.132            |                    |         |
| 11,800.00  | 7,070.37            | 7,070.67            | 7,070.51            | 143.46          | 30.24       | -90.09                | -3,748.48                         | 1,014.47   | 6,261.42             | 6,132.11              | 129.31                  | 48.421            |                    |         |
| 11,900.00  | 7,070.38            | 7,069.84            | 7,069.67            | 146.23          | 30.24       | -90.08                | -3,748.49                         | 1,014.46   | 6,336.25             | 6,206.20              | 130.05                  | 48.722            |                    |         |
| 12,000.00  | 7,070.39            | 7,069.00            | 7,068.83            | 149.01          | 30.23       | -90.07                | -3,748.50                         | 1,014.46   | 6,411.77             | 6,281.01              | 130.76                  | 49.034            |                    |         |
| 12,100.00  | 7,070.40            | 7,068.16            | 7,068.00            | 151.79          | 30.23       | -90.06                | -3,748.50                         | 1,014.45   | 6,487.95             | 6,356.50              | 131.45                  | 49.357            |                    |         |
| 12,200.00  | 7,070.41            | 7,067.32            | 7,067.16            | 154.57          | 30.23       | -90.04                | -3,748.51                         | 1,014.44   | 6,564.77             | 6,432.66              | 132.11                  | 49.690            |                    |         |
| 12,300.00  | 7,070.42            | 7,066.49            | 7,066.32            | 157.35          | 30.22       | -90.03                | -3,748.52                         | 1,014.44   | 6,642.21             | 6,509.45              | 132.76                  | 50.033            |                    |         |
| 12,400.00  | 7,070.43            | 7,065.65            | 7,065.49            | 160.14          | 30.22       | -90.02                | -3,748.53                         | 1,014.43   | 6,720.24             | 6,586.86              | 133.38                  | 50.386            |                    |         |
| 12,500.00  | 7,070.44            | 7,064.81            | 7,064.65            | 162.93          | 30.22       | -90.01                | -3,748.54                         | 1,014.42   | 6,798.85             | 6,664.87              | 133.97                  | 50.747            |                    |         |
| 12,600.00  | 7,070.44            | 7,063.98            | 7,063.81            | 165.72          | 30.21       | -90.00                | -3,748.55                         | 1,014.41   | 6,878.01             | 6,743.46              | 134.55                  | 51.117            |                    |         |
| 12,700.00  | 7,070.45            | 7,063.14            | 7,062.98            | 168.52          | 30.21       | -89.99                | -3,748.56                         | 1,014.41   | 6,957.71             | 6,822.60              | 135.11                  | 51.495            |                    |         |
| 12,800.00  | 7,070.46            | 7,062.30            | 7,062.14            | 171.32          | 30.21       | -89.98                | -3,748.57                         | 1,014.40   | 7,037.93             | 6,902.28              | 135.65                  | 51.881            |                    |         |
| 12,900.00  | 7,070.47            | 7,061.47            | 7,061.30            | 174.11          | 30.20       | -89.96                | -3,748.58                         | 1,014.39   | 7,118.65             | 6,982.47              | 136.18                  | 52.275            |                    |         |
| 13,000.00  | 7,070.48            | 7,060.63            | 7,060.47            | 176.92          | 30.20       | -89.95                | -3,748.59                         | 1,014.39   | 7,199.85             | 7,063.17              | 136.68                  | 52.676            |                    |         |
| 13,100.00  | 7,070.49            | 7,059.79            | 7,059.63            | 179.72          | 30.20       | -89.94                | -3,748.60                         | 1,014.38   | 7,281.52             | 7,144.35              | 137.17                  | 53.083            |                    |         |
| 13,200.00  | 7,070.50            | 7,058.95            | 7,058.79            | 182.52          | 30.19       | -89.93                | -3,748.61                         | 1,014.37   | 7,363.64             | 7,226.00              | 137.65                  | 53.497            |                    |         |
| 13,300.00  | 7,070.51            | 7,058.12            | 7,057.95            | 185.33          | 30.19       | -89.92                | -3,748.61                         | 1,014.36   | 7,446.20             | 7,308.10              | 138.10                  | 53.917            |                    |         |
| 13,400.00  | 7,070.52            | 7,057.28            | 7,057.12            | 188.14          | 30.18       | -89.91                | -3,748.62                         | 1,014.36   | 7,529.19             | 7,390.64              | 138.55                  | 54.344            |                    |         |
| 13,500.00  | 7,070.52            | 7,056.44            | 7,056.28            | 190.95          | 30.18       | -89.89                | -3,748.63                         | 1,014.35   | 7,612.58             | 7,473.60              | 138.98                  | 54.776            |                    |         |
| 13,600.00  | 7,070.53            | 7,055.61            | 7,055.44            | 193.76          | 30.18       | -89.88                | -3,748.64                         | 1,014.34   | 7,696.36             | 7,556.97              | 139.39                  | 55.214            |                    |         |
| 13,700.00  | 7,070.54            | 7,054.77            | 7,054.61            | 196.57          | 30.17       | -89.87                | -3,748.65                         | 1,014.34   | 7,780.53             | 7,640.74              | 139.80                  | 55.657            |                    |         |
| 13,800.00  | 7,070.55            | 7,053.93            | 7,053.77            | 199.38          | 30.17       | -89.86                | -3,748.66                         | 1,014.33   | 7,865.07             | 7,724.89              | 140.19                  | 56.105            |                    |         |
| 13,900.00  | 7,070.56            | 7,053.10            | 7,052.93            | 202.20          | 30.17       | -89.85                | -3,748.67                         | 1,014.32   | 7,949.97             | 7,809.41              | 140.56                  | 56.558            |                    |         |
| 14,000.00  | 7,070.57            | 7,052.26            | 7,052.10            | 205.01          | 30.16       | -89.84                | -3,748.68                         | 1,014.31   | 8,035.22             | 7,894.29              | 140.93                  | 57.015            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-MWD                                  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                                      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,100.00  | 7,070.58            | 7,051.42            | 7,051.26            | 207.83          | 30.16       | -89.83                | -3,748.69                         | 1,014.31   | 8,120.80             | 7,979.52              | 141.29                  | 57.477            |                    |         |
| 14,200.00  | 7,070.59            | 7,050.58            | 7,050.42            | 210.65          | 30.16       | -89.81                | -3,748.70                         | 1,014.30   | 8,206.71             | 8,065.08              | 141.63                  | 57.944            |                    |         |
| 14,300.00  | 7,070.60            | 7,049.75            | 7,049.59            | 213.47          | 30.15       | -89.80                | -3,748.71                         | 1,014.29   | 8,292.94             | 8,150.97              | 141.97                  | 58.415            |                    |         |
| 14,400.00  | 7,070.60            | 7,048.91            | 7,048.75            | 216.29          | 30.15       | -89.79                | -3,748.72                         | 1,014.29   | 8,379.47             | 8,237.18              | 142.29                  | 58.889            |                    |         |
| 14,500.00  | 7,070.61            | 7,048.07            | 7,047.91            | 219.11          | 30.15       | -89.78                | -3,748.72                         | 1,014.28   | 8,466.30             | 8,323.69              | 142.61                  | 59.368            |                    |         |
| 14,600.00  | 7,070.62            | 7,047.24            | 7,047.07            | 221.94          | 30.14       | -89.77                | -3,748.73                         | 1,014.27   | 8,553.41             | 8,410.50              | 142.91                  | 59.850            |                    |         |
| 14,700.00  | 7,070.63            | 7,046.40            | 7,046.24            | 224.76          | 30.14       | -89.76                | -3,748.74                         | 1,014.27   | 8,640.81             | 8,497.59              | 143.21                  | 60.336            |                    |         |
| 14,800.00  | 7,070.64            | 7,045.56            | 7,045.40            | 227.58          | 30.14       | -89.75                | -3,748.75                         | 1,014.26   | 8,728.47             | 8,584.97              | 143.50                  | 60.825            |                    |         |
| 14,900.00  | 7,070.65            | 7,044.72            | 7,044.56            | 230.41          | 30.13       | -89.73                | -3,748.76                         | 1,014.25   | 8,816.40             | 8,672.62              | 143.78                  | 61.318            |                    |         |
| 15,000.00  | 7,070.66            | 7,043.89            | 7,043.73            | 233.24          | 30.13       | -89.72                | -3,748.77                         | 1,014.24   | 8,904.58             | 8,760.52              | 144.06                  | 61.813            |                    |         |
| 15,100.00  | 7,070.67            | 7,043.05            | 7,042.89            | 236.06          | 30.13       | -89.71                | -3,748.78                         | 1,014.24   | 8,993.01             | 8,848.69              | 144.32                  | 62.312            |                    |         |
| 15,200.00  | 7,070.68            | 7,042.21            | 7,042.05            | 238.89          | 30.12       | -89.70                | -3,748.79                         | 1,014.23   | 9,081.68             | 8,937.10              | 144.58                  | 62.814            |                    |         |
| 15,300.00  | 7,070.68            | 7,041.38            | 7,041.22            | 241.72          | 30.12       | -89.69                | -3,748.80                         | 1,014.22   | 9,170.58             | 9,025.75              | 144.83                  | 63.318            |                    |         |
| 15,400.00  | 7,070.69            | 7,040.54            | 7,040.38            | 244.55          | 30.11       | -89.68                | -3,748.81                         | 1,014.22   | 9,259.71             | 9,114.63              | 145.08                  | 63.826            |                    |         |
| 15,500.00  | 7,070.70            | 7,039.70            | 7,039.54            | 247.38          | 30.11       | -89.67                | -3,748.82                         | 1,014.21   | 9,349.06             | 9,203.74              | 145.32                  | 64.336            |                    |         |
| 15,600.00  | 7,070.71            | 7,038.87            | 7,038.71            | 250.21          | 30.11       | -89.65                | -3,748.82                         | 1,014.20   | 9,438.62             | 9,293.07              | 145.55                  | 64.848            |                    |         |
| 15,700.00  | 7,070.72            | 7,038.03            | 7,037.87            | 253.04          | 30.10       | -89.64                | -3,748.83                         | 1,014.19   | 9,528.39             | 9,382.61              | 145.78                  | 65.363            |                    |         |
| 15,800.00  | 7,070.73            | 7,037.19            | 7,037.03            | 255.87          | 30.10       | -89.63                | -3,748.84                         | 1,014.19   | 9,618.36             | 9,472.36              | 146.00                  | 65.880            |                    |         |
| 15,900.00  | 7,070.74            | 7,036.35            | 7,036.19            | 258.71          | 30.10       | -89.62                | -3,748.85                         | 1,014.18   | 9,708.53             | 9,562.31              | 146.21                  | 66.400            |                    |         |
| 16,000.00  | 7,070.75            | 7,035.52            | 7,035.36            | 261.54          | 30.09       | -89.61                | -3,748.86                         | 1,014.17   | 9,798.89             | 9,652.46              | 146.42                  | 66.922            |                    |         |
| 16,100.00  | 7,070.76            | 7,034.68            | 7,034.52            | 264.37          | 30.09       | -89.60                | -3,748.87                         | 1,014.17   | 9,889.43             | 9,742.80              | 146.63                  | 67.445            |                    |         |
| 16,200.00  | 7,070.76            | 7,033.84            | 7,033.68            | 267.21          | 30.09       | -89.58                | -3,748.88                         | 1,014.16   | 9,980.15             | 9,833.33              | 146.83                  | 67.971            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 141.36                | -1,230.97                         | 984.23     | 1,576.48             |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 69.51               | 69.51               | 3.28            | 3.28        | 141.36                | -1,230.91                         | 984.11     | 1,575.96             | 1,569.39              | 6.57                    | 239.940           |                    |         |
| 200.00                      | 200.00              | 174.12              | 174.12              | 3.34            | 3.32        | 141.37                | -1,230.62                         | 983.59     | 1,575.43             | 1,568.77              | 6.66                    | 236.541           |                    |         |
| 300.00                      | 300.00              | 271.98              | 271.97              | 3.44            | 3.42        | 141.37                | -1,230.26                         | 983.07     | 1,574.81             | 1,567.95              | 6.86                    | 229.546           |                    |         |
| 400.00                      | 399.98              | 374.60              | 374.59              | 3.60            | 3.56        | 68.96                 | -1,229.95                         | 982.59     | 1,573.66             | 1,566.49              | 7.16                    | 219.646           |                    |         |
| 500.00                      | 499.84              | 477.34              | 477.33              | 3.80            | 3.76        | 69.20                 | -1,229.44                         | 981.94     | 1,571.00             | 1,563.44              | 7.56                    | 207.867           |                    |         |
| 600.00                      | 599.45              | 576.87              | 576.86              | 4.04            | 3.98        | 69.58                 | -1,228.85                         | 981.28     | 1,567.05             | 1,559.02              | 8.02                    | 195.337           |                    |         |
| 700.00                      | 698.70              | 677.49              | 677.48              | 4.32            | 4.24        | 70.11                 | -1,228.30                         | 980.53     | 1,561.93             | 1,553.37              | 8.56                    | 182.541           |                    |         |
| 800.00                      | 797.47              | 778.35              | 778.33              | 4.63            | 4.53        | 70.79                 | -1,227.75                         | 979.57     | 1,555.61             | 1,546.46              | 9.15                    | 170.003           |                    |         |
| 900.00                      | 895.62              | 875.65              | 875.62              | 4.97            | 4.83        | 71.60                 | -1,227.21                         | 978.55     | 1,548.26             | 1,538.48              | 9.79                    | 158.215           |                    |         |
| 924.00                      | 919.08              | 898.71              | 898.68              | 5.06            | 4.90        | 71.81                 | -1,227.08                         | 978.32     | 1,546.38             | 1,536.44              | 9.94                    | 155.499           |                    |         |
| 1,000.00                    | 993.28              | 973.94              | 973.90              | 5.34            | 5.15        | 72.40                 | -1,226.67                         | 977.54     | 1,540.42             | 1,529.95              | 10.47                   | 147.141           |                    |         |
| 1,100.00                    | 1,090.92            | 1,070.77            | 1,070.72            | 5.73            | 5.47        | 73.17                 | -1,226.20                         | 976.41     | 1,532.79             | 1,521.60              | 11.18                   | 137.061           |                    |         |
| 1,200.00                    | 1,188.56            | 1,167.44            | 1,167.39            | 6.15            | 5.81        | 73.94                 | -1,225.73                         | 975.40     | 1,525.52             | 1,513.59              | 11.93                   | 127.911           |                    |         |
| 1,300.00                    | 1,286.19            | 1,267.37            | 1,267.31            | 6.57            | 6.17        | 74.74                 | -1,225.10                         | 974.51     | 1,518.52             | 1,505.81              | 12.71                   | 119.515           |                    |         |
| 1,400.00                    | 1,383.83            | 1,364.78            | 1,364.72            | 7.01            | 6.53        | 75.53                 | -1,224.39                         | 973.51     | 1,511.66             | 1,498.16              | 13.50                   | 112.003           |                    |         |
| 1,500.00                    | 1,481.47            | 1,461.64            | 1,461.57            | 7.46            | 6.89        | 76.32                 | -1,223.79                         | 972.51     | 1,505.19             | 1,490.88              | 14.30                   | 105.239           |                    |         |
| 1,600.00                    | 1,579.10            | 1,558.05            | 1,557.97            | 7.91            | 7.26        | 77.11                 | -1,223.12                         | 971.67     | 1,499.04             | 1,483.92              | 15.12                   | 99.134            |                    |         |
| 1,700.00                    | 1,676.74            | 1,653.34            | 1,653.25            | 8.37            | 7.62        | 77.90                 | -1,222.54                         | 970.92     | 1,493.32             | 1,477.37              | 15.95                   | 93.636            |                    |         |
| 1,800.00                    | 1,774.38            | 1,751.46            | 1,751.37            | 8.84            | 8.01        | 78.72                 | -1,222.19                         | 969.93     | 1,488.01             | 1,471.22              | 16.80                   | 88.594            |                    |         |
| 1,900.00                    | 1,872.02            | 1,845.57            | 1,845.48            | 9.31            | 8.38        | 79.51                 | -1,221.75                         | 969.03     | 1,482.95             | 1,465.32              | 17.64                   | 84.080            |                    |         |
| 2,000.00                    | 1,969.65            | 1,934.67            | 1,934.57            | 9.79            | 8.73        | 80.26                 | -1,221.62                         | 968.66     | 1,478.74             | 1,460.27              | 18.47                   | 80.077            |                    |         |
| 2,100.00                    | 2,067.29            | 2,026.81            | 2,026.72            | 10.27           | 9.09        | 81.04                 | -1,221.95                         | 968.31     | 1,475.29             | 1,455.98              | 19.31                   | 76.392            |                    |         |
| 2,200.00                    | 2,164.93            | 2,121.69            | 2,121.59            | 10.75           | 9.47        | 81.85                 | -1,222.59                         | 967.93     | 1,472.43             | 1,452.26              | 20.17                   | 72.990            |                    |         |
| 2,300.00                    | 2,262.56            | 2,219.04            | 2,218.94            | 11.24           | 9.86        | 82.68                 | -1,223.24                         | 967.70     | 1,469.98             | 1,448.93              | 21.05                   | 69.837            |                    |         |
| 2,400.00                    | 2,360.20            | 2,316.60            | 2,316.49            | 11.73           | 10.26       | 83.52                 | -1,223.98                         | 967.31     | 1,467.85             | 1,445.92              | 21.93                   | 66.933            |                    |         |
| 2,500.00                    | 2,457.84            | 2,413.92            | 2,413.81            | 12.22           | 10.65       | 84.37                 | -1,224.77                         | 966.80     | 1,466.06             | 1,443.25              | 22.82                   | 64.257            |                    |         |
| 2,600.00                    | 2,555.48            | 2,510.21            | 2,510.09            | 12.71           | 11.04       | 85.20                 | -1,225.54                         | 966.45     | 1,464.67             | 1,440.97              | 23.70                   | 61.800            |                    |         |
| 2,700.00                    | 2,653.11            | 2,608.32            | 2,608.20            | 13.20           | 11.44       | 86.05                 | -1,226.31                         | 966.20     | 1,463.62             | 1,439.03              | 24.60                   | 59.508            |                    |         |
| 2,800.00                    | 2,750.75            | 2,702.99            | 2,702.87            | 13.70           | 11.83       | 86.87                 | -1,227.14                         | 965.95     | 1,463.00             | 1,437.52              | 25.48                   | 57.419            |                    |         |
| 2,900.00                    | 2,848.39            | 2,804.16            | 2,804.04            | 14.19           | 12.25       | 87.74                 | -1,227.95                         | 965.76     | 1,462.67             | 1,436.28              | 26.39                   | 55.418            |                    |         |
| 2,944.58                    | 2,891.91            | 2,845.55            | 2,845.43            | 14.41           | 12.42       | 88.10                 | -1,228.25                         | 965.73     | 1,462.61             | 1,435.83              | 26.79                   | 54.604 CC         |                    |         |
| 3,000.00                    | 2,946.02            | 2,897.41            | 2,897.29            | 14.69           | 12.63       | 88.54                 | -1,228.70                         | 965.71     | 1,462.70             | 1,435.43              | 27.28                   | 53.626            |                    |         |
| 3,100.00                    | 3,043.66            | 2,996.27            | 2,996.14            | 15.19           | 13.04       | 89.39                 | -1,229.57                         | 965.69     | 1,463.16             | 1,434.97              | 28.18                   | 51.913            |                    |         |
| 3,200.00                    | 3,141.30            | 3,093.86            | 3,093.72            | 15.69           | 13.44       | 90.23                 | -1,230.42                         | 965.57     | 1,463.89             | 1,434.80              | 29.09                   | 50.323            |                    |         |
| 3,300.00                    | 3,238.94            | 3,196.10            | 3,195.97            | 16.19           | 13.87       | 91.12                 | -1,231.19                         | 965.29     | 1,464.81             | 1,434.79              | 30.02                   | 48.799 ES         |                    |         |
| 3,400.00                    | 3,336.57            | 3,291.86            | 3,291.72            | 16.69           | 14.26       | 91.94                 | -1,231.79                         | 965.04     | 1,465.95             | 1,435.03              | 30.92                   | 47.414            |                    |         |
| 3,500.00                    | 3,434.21            | 3,382.32            | 3,382.18            | 17.19           | 14.64       | 92.72                 | -1,232.61                         | 964.87     | 1,467.70             | 1,435.90              | 31.80                   | 46.161            |                    |         |
| 3,600.00                    | 3,531.85            | 3,464.39            | 3,464.24            | 17.69           | 14.98       | 93.42                 | -1,233.93                         | 964.87     | 1,470.49             | 1,437.86              | 32.63                   | 45.061            |                    |         |
| 3,700.00                    | 3,629.48            | 3,549.31            | 3,549.13            | 18.20           | 15.34       | 94.14                 | -1,236.18                         | 965.19     | 1,474.66             | 1,441.18              | 33.48                   | 44.045            |                    |         |
| 3,800.00                    | 3,727.12            | 3,641.85            | 3,641.62            | 18.70           | 15.73       | 94.92                 | -1,239.11                         | 965.87     | 1,479.73             | 1,445.37              | 34.37                   | 43.058            |                    |         |
| 3,900.00                    | 3,824.76            | 3,740.26            | 3,739.97            | 19.21           | 16.14       | 95.73                 | -1,242.29                         | 966.68     | 1,485.20             | 1,449.92              | 35.28                   | 42.096            |                    |         |
| 4,000.00                    | 3,922.40            | 3,841.58            | 3,841.24            | 19.71           | 16.57       | 96.56                 | -1,245.43                         | 967.46     | 1,490.83             | 1,454.62              | 36.21                   | 41.170            |                    |         |
| 4,100.00                    | 4,020.03            | 3,942.46            | 3,942.07            | 20.21           | 16.99       | 97.39                 | -1,248.26                         | 968.04     | 1,496.45             | 1,459.30              | 37.14                   | 40.291            |                    |         |
| 4,200.00                    | 4,117.67            | 4,041.34            | 4,040.92            | 20.72           | 17.40       | 98.20                 | -1,250.99                         | 968.46     | 1,502.30             | 1,464.24              | 38.06                   | 39.472            |                    |         |
| 4,300.00                    | 4,215.31            | 4,142.88            | 4,142.42            | 21.23           | 17.83       | 99.03                 | -1,253.58                         | 968.89     | 1,508.25             | 1,469.26              | 38.99                   | 38.680            |                    |         |
| 4,400.00                    | 4,312.94            | 4,243.61            | 4,243.12            | 21.73           | 18.26       | 99.85                 | -1,255.90                         | 969.19     | 1,514.26             | 1,474.34              | 39.92                   | 37.930            |                    |         |
| 4,500.00                    | 4,410.58            | 4,344.38            | 4,343.87            | 22.24           | 18.68       | 100.65                | -1,258.04                         | 969.52     | 1,520.39             | 1,479.53              | 40.85                   | 37.216            |                    |         |
| 4,600.00                    | 4,508.22            | 4,445.24            | 4,444.72            | 22.75           | 19.11       | 101.46                | -1,259.94                         | 969.67     | 1,526.56             | 1,484.78              | 41.78                   | 36.536            |                    |         |
| 4,700.00                    | 4,605.86            | 4,543.03            | 4,542.49            | 23.25           | 19.52       | 102.25                | -1,261.68                         | 969.50     | 1,532.90             | 1,490.21              | 42.70                   | 35.902            |                    |         |
| 4,800.00                    | 4,703.49            | 4,640.47            | 4,639.91            | 23.76           | 19.93       | 103.03                | -1,263.49                         | 969.22     | 1,539.60             | 1,496.00              | 43.61                   | 35.305            |                    |         |
| 4,900.00                    | 4,801.13            | 4,741.61            | 4,741.04            | 24.27           | 20.36       | 103.83                | -1,265.21                         | 969.03     | 1,546.47             | 1,501.93              | 44.54                   | 34.721            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                    | 4,898.77            | 4,843.03            | 4,842.45            | 24.77           | 20.78       | 104.62                | -1,266.64                         | 969.15     | 1,553.34             | 1,507.87              | 45.47                   | 34.160            |                    |         |
| 5,100.00                    | 4,996.40            | 4,945.78            | 4,945.19            | 25.28           | 21.22       | 105.39                | -1,267.85                         | 969.65     | 1,560.28             | 1,513.86              | 46.41                   | 33.619            |                    |         |
| 5,200.00                    | 5,094.04            | 5,046.41            | 5,045.81            | 25.79           | 21.64       | 106.15                | -1,268.64                         | 969.93     | 1,567.09             | 1,519.75              | 47.34                   | 33.104            |                    |         |
| 5,300.00                    | 5,191.68            | 5,146.04            | 5,145.44            | 26.30           | 22.06       | 106.91                | -1,269.44                         | 969.84     | 1,574.19             | 1,525.93              | 48.26                   | 32.619            |                    |         |
| 5,400.00                    | 5,289.32            | 5,249.36            | 5,248.76            | 26.81           | 22.50       | 107.69                | -1,269.88                         | 969.81     | 1,581.19             | 1,531.99              | 49.20                   | 32.138            |                    |         |
| 5,500.00                    | 5,386.95            | 5,347.52            | 5,346.92            | 27.32           | 22.92       | 108.43                | -1,270.10                         | 969.66     | 1,588.28             | 1,538.16              | 50.11                   | 31.694            |                    |         |
| 5,600.00                    | 5,484.59            | 5,448.51            | 5,447.91            | 27.83           | 23.34       | 109.19                | -1,270.32                         | 969.12     | 1,595.63             | 1,544.59              | 51.04                   | 31.263            |                    |         |
| 5,700.00                    | 5,582.23            | 5,554.00            | 5,553.39            | 28.33           | 23.79       | 109.99                | -1,270.04                         | 968.20     | 1,602.80             | 1,550.81              | 51.99                   | 30.831            |                    |         |
| 5,800.00                    | 5,679.87            | 5,657.52            | 5,656.91            | 28.84           | 24.23       | 110.78                | -1,269.34                         | 967.31     | 1,609.84             | 1,556.92              | 52.92                   | 30.419            |                    |         |
| 5,900.00                    | 5,777.50            | 5,756.83            | 5,756.21            | 29.35           | 24.65       | 111.52                | -1,268.37                         | 966.40     | 1,616.88             | 1,563.04              | 53.84                   | 30.034            |                    |         |
| 6,000.00                    | 5,875.14            | 5,854.69            | 5,854.06            | 29.86           | 25.06       | 112.24                | -1,267.43                         | 965.73     | 1,624.19             | 1,569.45              | 54.74                   | 29.670            |                    |         |
| 6,100.00                    | 5,972.78            | 5,951.33            | 5,950.70            | 30.37           | 25.47       | 112.95                | -1,266.48                         | 965.13     | 1,631.73             | 1,576.09              | 55.64                   | 29.327            |                    |         |
| 6,200.00                    | 6,070.41            | 6,061.03            | 6,060.38            | 30.88           | 25.94       | 113.74                | -1,265.29                         | 964.42     | 1,639.46             | 1,582.85              | 56.60                   | 28.964            |                    |         |
| 6,300.00                    | 6,168.05            | 6,169.12            | 6,168.45            | 31.39           | 26.39       | 114.52                | -1,262.97                         | 963.65     | 1,646.38             | 1,588.82              | 57.56                   | 28.604            |                    |         |
| 6,400.00                    | 6,265.69            | 6,281.37            | 6,280.66            | 31.90           | 26.87       | 115.34                | -1,259.95                         | 962.67     | 1,653.08             | 1,594.56              | 58.53                   | 28.245            |                    |         |
| 6,439.09                    | 6,303.85            | 6,323.02            | 6,322.28            | 32.10           | 27.05       | 115.64                | -1,258.54                         | 962.35     | 1,655.50             | 1,596.61              | 58.89                   | 28.110            |                    |         |
| 6,450.00                    | 6,314.53            | 6,333.85            | 6,333.10            | 32.16           | 27.09       | 117.24                | -1,258.17                         | 962.30     | 1,656.17             | 1,597.18              | 58.99                   | 28.074            |                    |         |
| 6,500.00                    | 6,363.83            | 6,383.94            | 6,383.16            | 32.39           | 27.30       | 129.15                | -1,256.48                         | 962.22     | 1,658.89             | 1,599.46              | 59.43                   | 27.912            |                    |         |
| 6,550.00                    | 6,413.58            | 6,427.83            | 6,427.03            | 32.60           | 27.49       | 162.02                | -1,255.07                         | 962.37     | 1,661.10             | 1,601.28              | 59.82                   | 27.766            |                    |         |
| 6,600.00                    | 6,463.45            | 6,468.68            | 6,467.87            | 32.79           | 27.66       | -137.00               | -1,253.99                         | 962.59     | 1,662.99             | 1,602.80              | 60.18                   | 27.632            |                    |         |
| 6,650.00                    | 6,513.15            | 6,508.98            | 6,508.15            | 32.97           | 27.83       | -109.49               | -1,253.15                         | 962.88     | 1,664.55             | 1,604.01              | 60.53                   | 27.498            |                    |         |
| 6,700.00                    | 6,562.37            | 6,547.60            | 6,546.77            | 33.15           | 28.00       | -99.60                | -1,252.60                         | 963.18     | 1,665.84             | 1,604.96              | 60.88                   | 27.364            |                    |         |
| 6,750.00                    | 6,610.80            | 6,585.54            | 6,584.71            | 33.34           | 28.16       | -95.01                | -1,252.29                         | 963.50     | 1,666.91             | 1,605.69              | 61.23                   | 27.225            |                    |         |
| 6,800.00                    | 6,658.14            | 6,624.27            | 6,623.44            | 33.53           | 28.32       | -92.58                | -1,252.21                         | 963.81     | 1,667.82             | 1,606.23              | 61.59                   | 27.078            |                    |         |
| 6,850.00                    | 6,704.11            | 6,662.96            | 6,662.13            | 33.74           | 28.48       | -91.25                | -1,252.29                         | 964.01     | 1,668.58             | 1,606.60              | 61.97                   | 26.924            |                    |         |
| 6,900.00                    | 6,748.42            | 6,700.38            | 6,699.55            | 33.97           | 28.64       | -90.54                | -1,252.51                         | 964.09     | 1,669.28             | 1,606.92              | 62.37                   | 26.766            |                    |         |
| 6,950.00                    | 6,790.79            | 6,741.48            | 6,740.64            | 34.21           | 28.82       | -90.32                | -1,252.85                         | 964.09     | 1,669.98             | 1,607.18              | 62.81                   | 26.590            |                    |         |
| 7,000.00                    | 6,830.97            | 6,780.50            | 6,779.67            | 34.48           | 28.98       | -90.37                | -1,253.19                         | 964.04     | 1,670.74             | 1,607.48              | 63.26                   | 26.411            |                    |         |
| 7,050.00                    | 6,868.71            | 6,816.12            | 6,815.28            | 34.77           | 29.13       | -90.55                | -1,253.53                         | 963.96     | 1,671.73             | 1,608.01              | 63.73                   | 26.233            |                    |         |
| 7,100.00                    | 6,903.77            | 6,848.11            | 6,847.27            | 35.09           | 29.27       | -90.79                | -1,253.89                         | 963.86     | 1,673.14             | 1,608.93              | 64.21                   | 26.059            |                    |         |
| 7,150.00                    | 6,935.93            | 6,877.54            | 6,876.69            | 35.44           | 29.40       | -91.05                | -1,254.27                         | 963.74     | 1,675.12             | 1,610.41              | 64.71                   | 25.888            |                    |         |
| 7,200.00                    | 6,965.01            | 6,904.70            | 6,903.85            | 35.83           | 29.51       | -91.30                | -1,254.67                         | 963.60     | 1,677.82             | 1,612.58              | 65.23                   | 25.721            |                    |         |
| 7,250.00                    | 6,990.82            | 6,931.19            | 6,930.34            | 36.26           | 29.62       | -91.55                | -1,255.06                         | 963.46     | 1,681.33             | 1,615.53              | 65.79                   | 25.555            |                    |         |
| 7,300.00                    | 7,013.20            | 6,954.22            | 6,953.37            | 36.72           | 29.72       | -91.68                | -1,255.40                         | 963.33     | 1,685.76             | 1,619.39              | 66.37                   | 25.399            |                    |         |
| 7,350.00                    | 7,032.02            | 6,973.65            | 6,972.80            | 37.23           | 29.80       | -91.67                | -1,255.68                         | 963.22     | 1,691.23             | 1,624.27              | 66.96                   | 25.256            |                    |         |
| 7,400.00                    | 7,047.15            | 6,989.35            | 6,988.49            | 37.77           | 29.87       | -91.48                | -1,255.91                         | 963.12     | 1,697.82             | 1,630.25              | 67.56                   | 25.130            |                    |         |
| 7,450.00                    | 7,058.51            | 7,001.22            | 7,000.36            | 38.34           | 29.92       | -91.09                | -1,256.08                         | 963.05     | 1,705.56             | 1,637.40              | 68.16                   | 25.022            |                    |         |
| 7,500.00                    | 7,066.02            | 7,009.19            | 7,008.33            | 38.95           | 29.95       | -90.50                | -1,256.19                         | 963.00     | 1,714.48             | 1,645.73              | 68.75                   | 24.936            |                    |         |
| 7,550.00                    | 7,069.64            | 7,012.66            | 7,011.80            | 39.58           | 29.97       | -89.67                | -1,256.24                         | 962.98     | 1,724.57             | 1,655.24              | 69.33                   | 24.876            |                    |         |
| 7,571.20                    | 7,070.00            | 7,013.13            | 7,012.27            | 39.85           | 29.97       | -89.26                | -1,256.24                         | 962.98     | 1,729.18             | 1,659.61              | 69.56                   | 24.857            |                    |         |
| 7,600.00                    | 7,070.00            | 7,013.30            | 7,012.44            | 40.23           | 29.97       | -89.27                | -1,256.25                         | 962.98     | 1,735.80             | 1,665.92              | 69.88                   | 24.838            |                    |         |
| 7,700.00                    | 7,070.01            | 7,013.88            | 7,013.02            | 41.64           | 29.97       | -89.29                | -1,256.26                         | 962.98     | 1,762.27             | 1,691.24              | 71.03                   | 24.810 SF         |                    |         |
| 7,800.00                    | 7,070.02            | 7,014.46            | 7,013.60            | 43.20           | 29.98       | -89.31                | -1,256.26                         | 962.97     | 1,793.93             | 1,721.73              | 72.20                   | 24.847            |                    |         |
| 7,900.00                    | 7,070.03            | 7,015.04            | 7,014.18            | 44.89           | 29.98       | -89.33                | -1,256.27                         | 962.97     | 1,830.51             | 1,757.15              | 73.36                   | 24.953            |                    |         |
| 8,000.00                    | 7,070.04            | 7,015.61            | 7,014.75            | 46.69           | 29.98       | -89.35                | -1,256.28                         | 962.97     | 1,871.72             | 1,797.23              | 74.49                   | 25.127            |                    |         |
| 8,100.00                    | 7,070.05            | 7,016.19            | 7,015.33            | 48.60           | 29.98       | -89.37                | -1,256.29                         | 962.96     | 1,917.27             | 1,841.69              | 75.58                   | 25.367            |                    |         |
| 8,200.00                    | 7,070.05            | 7,016.76            | 7,015.90            | 50.59           | 29.99       | -89.39                | -1,256.30                         | 962.96     | 1,966.85             | 1,890.24              | 76.61                   | 25.672            |                    |         |
| 8,300.00                    | 7,070.06            | 7,017.33            | 7,016.47            | 52.66           | 29.99       | -89.41                | -1,256.30                         | 962.96     | 2,020.17             | 1,942.58              | 77.59                   | 26.037            |                    |         |
| 8,400.00                    | 7,070.07            | 7,017.90            | 7,017.04            | 54.81           | 29.99       | -89.42                | -1,256.31                         | 962.95     | 2,076.94             | 1,998.44              | 78.50                   | 26.459            |                    |         |
| 8,500.00                    | 7,070.08            | 7,018.47            | 7,017.61            | 57.02           | 29.99       | -89.44                | -1,256.32                         | 962.95     | 2,136.88             | 2,057.54              | 79.34                   | 26.934            |                    |         |
| 8,600.00                    | 7,070.09            | 7,019.03            | 7,018.17            | 59.28           | 30.00       | -89.46                | -1,256.33                         | 962.95     | 2,199.73             | 2,119.62              | 80.11                   | 27.458            |                    |         |
| 8,700.00                    | 7,070.10            | 7,019.60            | 7,018.73            | 61.60           | 30.00       | -89.48                | -1,256.34                         | 962.94     | 2,265.26             | 2,184.44              | 80.83                   | 28.026            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                    | 7,070.11            | 7,020.16            | 7,019.30            | 63.95           | 30.00       | -89.50                | -1,256.34                         | 962.94     | 2,333.24             | 2,251.75              | 81.48                   | 28.635            |                    |         |
| 8,900.00                    | 7,070.12            | 7,020.72            | 7,019.86            | 66.35           | 30.00       | -89.52                | -1,256.35                         | 962.94     | 2,403.45             | 2,321.37              | 82.08                   | 29.282            |                    |         |
| 9,000.00                    | 7,070.13            | 7,021.28            | 7,020.41            | 68.79           | 30.01       | -89.54                | -1,256.36                         | 962.93     | 2,475.71             | 2,393.08              | 82.63                   | 29.963            |                    |         |
| 9,100.00                    | 7,070.13            | 7,021.83            | 7,020.97            | 71.25           | 30.01       | -89.56                | -1,256.37                         | 962.93     | 2,549.85             | 2,466.72              | 83.13                   | 30.675            |                    |         |
| 9,200.00                    | 7,070.14            | 7,022.39            | 7,021.53            | 73.74           | 30.01       | -89.58                | -1,256.38                         | 962.93     | 2,625.70             | 2,542.12              | 83.58                   | 31.415            |                    |         |
| 9,300.00                    | 7,070.15            | 7,022.94            | 7,022.08            | 76.26           | 30.01       | -89.60                | -1,256.38                         | 962.92     | 2,703.12             | 2,619.13              | 84.00                   | 32.182            |                    |         |
| 9,400.00                    | 7,070.16            | 7,023.49            | 7,022.63            | 78.80           | 30.02       | -89.61                | -1,256.39                         | 962.92     | 2,781.99             | 2,697.61              | 84.38                   | 32.972            |                    |         |
| 9,500.00                    | 7,070.17            | 7,024.04            | 7,023.18            | 81.37           | 30.02       | -89.63                | -1,256.40                         | 962.92     | 2,862.17             | 2,777.45              | 84.72                   | 33.783            |                    |         |
| 9,600.00                    | 7,070.18            | 7,024.59            | 7,023.73            | 83.95           | 30.02       | -89.65                | -1,256.41                         | 962.91     | 2,943.57             | 2,858.53              | 85.04                   | 34.615            |                    |         |
| 9,700.00                    | 7,070.19            | 7,025.14            | 7,024.28            | 86.55           | 30.02       | -89.67                | -1,256.42                         | 962.91     | 3,026.08             | 2,940.75              | 85.33                   | 35.464            |                    |         |
| 9,800.00                    | 7,070.20            | 7,025.68            | 7,024.82            | 89.17           | 30.03       | -89.69                | -1,256.42                         | 962.91     | 3,109.62             | 3,024.03              | 85.59                   | 36.330            |                    |         |
| 9,900.00                    | 7,070.21            | 7,026.23            | 7,025.36            | 91.80           | 30.03       | -89.71                | -1,256.43                         | 962.91     | 3,194.10             | 3,108.27              | 85.84                   | 37.211            |                    |         |
| 10,000.00                   | 7,070.21            | 7,026.77            | 7,025.91            | 94.44           | 30.03       | -89.73                | -1,256.44                         | 962.90     | 3,279.46             | 3,193.40              | 86.06                   | 38.106            |                    |         |
| 10,100.00                   | 7,070.22            | 7,027.31            | 7,026.45            | 97.10           | 30.03       | -89.74                | -1,256.45                         | 962.90     | 3,365.63             | 3,279.36              | 86.27                   | 39.013            |                    |         |
| 10,200.00                   | 7,070.23            | 7,027.85            | 7,026.98            | 99.77           | 30.03       | -89.76                | -1,256.45                         | 962.90     | 3,452.54             | 3,366.08              | 86.46                   | 39.932            |                    |         |
| 10,300.00                   | 7,070.24            | 7,028.38            | 7,027.52            | 102.44          | 30.04       | -89.78                | -1,256.46                         | 962.89     | 3,540.14             | 3,453.50              | 86.64                   | 40.862            |                    |         |
| 10,400.00                   | 7,070.25            | 7,028.92            | 7,028.06            | 105.13          | 30.04       | -89.80                | -1,256.47                         | 962.89     | 3,628.38             | 3,541.58              | 86.80                   | 41.802            |                    |         |
| 10,500.00                   | 7,070.26            | 7,029.45            | 7,028.59            | 107.83          | 30.04       | -89.82                | -1,256.48                         | 962.89     | 3,717.22             | 3,630.27              | 86.95                   | 42.750            |                    |         |
| 10,600.00                   | 7,070.27            | 7,029.98            | 7,029.12            | 110.53          | 30.04       | -89.84                | -1,256.49                         | 962.88     | 3,806.61             | 3,719.52              | 87.09                   | 43.707            |                    |         |
| 10,700.00                   | 7,070.28            | 7,030.51            | 7,029.65            | 113.24          | 30.05       | -89.85                | -1,256.49                         | 962.88     | 3,896.52             | 3,809.29              | 87.22                   | 44.672            |                    |         |
| 10,800.00                   | 7,070.28            | 7,031.04            | 7,030.18            | 115.96          | 30.05       | -89.87                | -1,256.50                         | 962.88     | 3,986.90             | 3,899.56              | 87.35                   | 45.644            |                    |         |
| 10,900.00                   | 7,070.29            | 7,031.57            | 7,030.71            | 118.69          | 30.05       | -89.89                | -1,256.51                         | 962.88     | 4,077.74             | 3,990.28              | 87.46                   | 46.622            |                    |         |
| 11,000.00                   | 7,070.30            | 7,032.10            | 7,031.23            | 121.42          | 30.05       | -89.91                | -1,256.52                         | 962.87     | 4,169.00             | 4,081.43              | 87.57                   | 47.607            |                    |         |
| 11,100.00                   | 7,070.31            | 7,032.62            | 7,031.76            | 124.16          | 30.05       | -89.93                | -1,256.52                         | 962.87     | 4,260.65             | 4,172.97              | 87.67                   | 48.597            |                    |         |
| 11,200.00                   | 7,070.32            | 7,033.14            | 7,032.28            | 126.90          | 30.06       | -89.94                | -1,256.53                         | 962.87     | 4,352.66             | 4,264.89              | 87.77                   | 49.592            |                    |         |
| 11,300.00                   | 7,070.33            | 7,033.66            | 7,032.80            | 129.65          | 30.06       | -89.96                | -1,256.54                         | 962.86     | 4,445.02             | 4,357.16              | 87.86                   | 50.592            |                    |         |
| 11,400.00                   | 7,070.34            | 7,034.18            | 7,033.32            | 132.40          | 30.06       | -89.98                | -1,256.55                         | 962.86     | 4,537.71             | 4,449.76              | 87.95                   | 51.596            |                    |         |
| 11,500.00                   | 7,070.35            | 7,034.70            | 7,033.84            | 135.16          | 30.06       | -90.00                | -1,256.55                         | 962.86     | 4,630.70             | 4,542.67              | 88.03                   | 52.604            |                    |         |
| 11,600.00                   | 7,070.36            | 7,035.22            | 7,034.36            | 137.92          | 30.07       | -90.01                | -1,256.56                         | 962.86     | 4,723.97             | 4,635.86              | 88.11                   | 53.616            |                    |         |
| 11,700.00                   | 7,070.36            | 7,035.73            | 7,034.87            | 140.69          | 30.07       | -90.03                | -1,256.57                         | 962.85     | 4,817.52             | 4,729.33              | 88.18                   | 54.631            |                    |         |
| 11,800.00                   | 7,070.37            | 7,036.25            | 7,035.38            | 143.46          | 30.07       | -90.05                | -1,256.58                         | 962.85     | 4,911.32             | 4,823.06              | 88.25                   | 55.650            |                    |         |
| 11,900.00                   | 7,070.38            | 7,036.76            | 7,035.90            | 146.23          | 30.07       | -90.07                | -1,256.58                         | 962.85     | 5,005.36             | 4,917.03              | 88.32                   | 56.671            |                    |         |
| 12,000.00                   | 7,070.39            | 7,037.27            | 7,036.41            | 149.01          | 30.07       | -90.08                | -1,256.59                         | 962.84     | 5,099.62             | 5,011.23              | 88.39                   | 57.695            |                    |         |
| 12,100.00                   | 7,070.40            | 7,037.78            | 7,036.91            | 151.79          | 30.08       | -90.10                | -1,256.60                         | 962.84     | 5,194.10             | 5,105.65              | 88.45                   | 58.721            |                    |         |
| 12,200.00                   | 7,070.41            | 7,038.29            | 7,037.42            | 154.57          | 30.08       | -90.12                | -1,256.61                         | 962.84     | 5,288.79             | 5,200.27              | 88.52                   | 59.750            |                    |         |
| 12,300.00                   | 7,070.42            | 7,038.79            | 7,037.93            | 157.35          | 30.08       | -90.13                | -1,256.61                         | 962.84     | 5,383.66             | 5,295.09              | 88.58                   | 60.780            |                    |         |
| 12,400.00                   | 7,070.43            | 7,039.30            | 7,038.43            | 160.14          | 30.08       | -90.15                | -1,256.62                         | 962.83     | 5,478.72             | 5,390.09              | 88.63                   | 61.813            |                    |         |
| 12,500.00                   | 7,070.44            | 7,039.80            | 7,038.94            | 162.93          | 30.09       | -90.17                | -1,256.63                         | 962.83     | 5,573.95             | 5,485.26              | 88.69                   | 62.847            |                    |         |
| 12,600.00                   | 7,070.44            | 7,040.30            | 7,039.44            | 165.72          | 30.09       | -90.19                | -1,256.63                         | 962.83     | 5,669.35             | 5,580.60              | 88.75                   | 63.882            |                    |         |
| 12,700.00                   | 7,070.45            | 7,040.80            | 7,039.94            | 168.52          | 30.09       | -90.20                | -1,256.64                         | 962.82     | 5,764.90             | 5,676.10              | 88.80                   | 64.919            |                    |         |
| 12,800.00                   | 7,070.46            | 7,041.30            | 7,040.44            | 171.32          | 30.09       | -90.22                | -1,256.65                         | 962.82     | 5,860.60             | 5,771.74              | 88.85                   | 65.957            |                    |         |
| 12,900.00                   | 7,070.47            | 7,041.80            | 7,040.93            | 174.11          | 30.09       | -90.24                | -1,256.66                         | 962.82     | 5,956.44             | 5,867.53              | 88.91                   | 66.996            |                    |         |
| 13,000.00                   | 7,070.48            | 7,042.29            | 7,041.43            | 176.92          | 30.10       | -90.25                | -1,256.66                         | 962.82     | 6,052.41             | 5,963.45              | 88.96                   | 68.037            |                    |         |
| 13,100.00                   | 7,070.49            | 7,042.79            | 7,041.92            | 179.72          | 30.10       | -90.27                | -1,256.67                         | 962.81     | 6,148.52             | 6,059.51              | 89.01                   | 69.077            |                    |         |
| 13,200.00                   | 7,070.50            | 7,043.28            | 7,042.42            | 182.52          | 30.10       | -90.29                | -1,256.68                         | 962.81     | 6,244.74             | 6,155.68              | 89.06                   | 70.119            |                    |         |
| 13,300.00                   | 7,070.51            | 7,043.77            | 7,042.91            | 185.33          | 30.10       | -90.30                | -1,256.68                         | 962.81     | 6,341.08             | 6,251.98              | 89.11                   | 71.161            |                    |         |
| 13,400.00                   | 7,070.52            | 7,044.26            | 7,043.40            | 188.14          | 30.10       | -90.32                | -1,256.69                         | 962.81     | 6,437.54             | 6,348.38              | 89.16                   | 72.204            |                    |         |
| 13,500.00                   | 7,070.52            | 7,044.75            | 7,043.89            | 190.95          | 30.11       | -90.34                | -1,256.70                         | 962.80     | 6,534.10             | 6,444.89              | 89.21                   | 73.247            |                    |         |
| 13,600.00                   | 7,070.53            | 7,045.24            | 7,044.37            | 193.76          | 30.11       | -90.35                | -1,256.71                         | 962.80     | 6,630.76             | 6,541.51              | 89.25                   | 74.290            |                    |         |
| 13,700.00                   | 7,070.54            | 7,045.72            | 7,044.86            | 196.57          | 30.11       | -90.37                | -1,256.71                         | 962.80     | 6,727.52             | 6,638.22              | 89.30                   | 75.334            |                    |         |
| 13,800.00                   | 7,070.55            | 7,046.21            | 7,045.34            | 199.38          | 30.11       | -90.39                | -1,256.72                         | 962.80     | 6,824.38             | 6,735.02              | 89.35                   | 76.377            |                    |         |
| 13,900.00                   | 7,070.56            | 7,046.69            | 7,045.83            | 202.20          | 30.11       | -90.40                | -1,256.73                         | 962.79     | 6,921.32             | 6,831.92              | 89.40                   | 77.421            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                   | 7,070.57            | 7,047.17            | 7,046.31            | 205.01          | 30.12       | -90.42                | -1,256.73                         | 962.79     | 7,018.35             | 6,928.90              | 89.45                   | 78.464            |                    |         |
| 14,100.00                   | 7,070.58            | 7,047.65            | 7,046.79            | 207.83          | 30.12       | -90.44                | -1,256.74                         | 962.79     | 7,115.46             | 7,025.96              | 89.49                   | 79.508            |                    |         |
| 14,200.00                   | 7,070.59            | 7,048.13            | 7,047.27            | 210.65          | 30.12       | -90.45                | -1,256.75                         | 962.79     | 7,212.65             | 7,123.11              | 89.54                   | 80.551            |                    |         |
| 14,300.00                   | 7,070.60            | 7,048.61            | 7,047.75            | 213.47          | 30.12       | -90.47                | -1,256.75                         | 962.78     | 7,309.91             | 7,220.32              | 89.59                   | 81.594            |                    |         |
| 14,400.00                   | 7,070.60            | 7,049.09            | 7,048.22            | 216.29          | 30.12       | -90.48                | -1,256.76                         | 962.78     | 7,407.25             | 7,317.62              | 89.64                   | 82.637            |                    |         |
| 14,500.00                   | 7,070.61            | 7,049.56            | 7,048.70            | 219.11          | 30.13       | -90.50                | -1,256.77                         | 962.78     | 7,504.66             | 7,414.98              | 89.68                   | 83.679            |                    |         |
| 14,600.00                   | 7,070.62            | 7,050.04            | 7,049.17            | 221.94          | 30.13       | -90.52                | -1,256.78                         | 962.78     | 7,602.14             | 7,512.40              | 89.73                   | 84.721            |                    |         |
| 14,700.00                   | 7,070.63            | 7,050.51            | 7,049.64            | 224.76          | 30.13       | -90.53                | -1,256.78                         | 962.77     | 7,699.68             | 7,609.90              | 89.78                   | 85.762            |                    |         |
| 14,800.00                   | 7,070.64            | 7,050.98            | 7,050.11            | 227.58          | 30.13       | -90.55                | -1,256.79                         | 962.77     | 7,797.28             | 7,707.45              | 89.83                   | 86.802            |                    |         |
| 14,900.00                   | 7,070.65            | 7,051.45            | 7,050.58            | 230.41          | 30.13       | -90.56                | -1,256.80                         | 962.77     | 7,894.94             | 7,805.07              | 89.88                   | 87.842            |                    |         |
| 15,000.00                   | 7,070.66            | 7,051.92            | 7,051.05            | 233.24          | 30.14       | -90.58                | -1,256.80                         | 962.77     | 7,992.66             | 7,902.74              | 89.92                   | 88.882            |                    |         |
| 15,100.00                   | 7,070.67            | 7,052.38            | 7,051.52            | 236.06          | 30.14       | -90.60                | -1,256.81                         | 962.76     | 8,090.44             | 8,000.46              | 89.97                   | 89.920            |                    |         |
| 15,200.00                   | 7,070.68            | 7,052.85            | 7,051.98            | 238.89          | 30.14       | -90.61                | -1,256.82                         | 962.76     | 8,188.27             | 8,098.25              | 90.02                   | 90.958            |                    |         |
| 15,300.00                   | 7,070.68            | 7,053.31            | 7,052.45            | 241.72          | 30.14       | -90.63                | -1,256.82                         | 962.76     | 8,286.15             | 8,196.08              | 90.07                   | 91.995            |                    |         |
| 15,400.00                   | 7,070.69            | 7,053.78            | 7,052.91            | 244.55          | 30.14       | -90.64                | -1,256.83                         | 962.76     | 8,384.08             | 8,293.96              | 90.12                   | 93.031            |                    |         |
| 15,500.00                   | 7,070.70            | 7,054.24            | 7,053.37            | 247.38          | 30.15       | -90.66                | -1,256.84                         | 962.75     | 8,482.06             | 8,391.89              | 90.17                   | 94.066            |                    |         |
| 15,600.00                   | 7,070.71            | 7,054.70            | 7,053.83            | 250.21          | 30.15       | -90.68                | -1,256.84                         | 962.75     | 8,580.09             | 8,489.87              | 90.22                   | 95.101            |                    |         |
| 15,700.00                   | 7,070.72            | 7,055.16            | 7,054.29            | 253.04          | 30.15       | -90.69                | -1,256.85                         | 962.75     | 8,678.16             | 8,587.89              | 90.27                   | 96.134            |                    |         |
| 15,800.00                   | 7,070.73            | 7,055.62            | 7,054.75            | 255.87          | 30.15       | -90.71                | -1,256.86                         | 962.75     | 8,776.27             | 8,685.95              | 90.32                   | 97.166            |                    |         |
| 15,900.00                   | 7,070.74            | 7,056.07            | 7,055.21            | 258.71          | 30.15       | -90.72                | -1,256.86                         | 962.74     | 8,874.43             | 8,784.06              | 90.37                   | 98.197            |                    |         |
| 16,000.00                   | 7,070.75            | 7,056.53            | 7,055.66            | 261.54          | 30.16       | -90.74                | -1,256.87                         | 962.74     | 8,972.63             | 8,882.20              | 90.43                   | 99.227            |                    |         |
| 16,100.00                   | 7,070.76            | 7,056.98            | 7,056.12            | 264.37          | 30.16       | -90.75                | -1,256.88                         | 962.74     | 9,070.86             | 8,980.39              | 90.48                   | 100.256           |                    |         |
| 16,200.00                   | 7,070.76            | 7,057.44            | 7,056.57            | 267.21          | 30.16       | -90.77                | -1,256.88                         | 962.74     | 9,169.14             | 9,078.61              | 90.53                   | 101.283           |                    |         |
| 16,300.00                   | 7,070.77            | 7,057.89            | 7,057.02            | 270.04          | 30.16       | -90.78                | -1,256.89                         | 962.73     | 9,267.45             | 9,176.87              | 90.58                   | 102.309           |                    |         |
| 16,400.00                   | 7,070.78            | 7,058.34            | 7,057.47            | 272.88          | 30.16       | -90.80                | -1,256.90                         | 962.73     | 9,365.80             | 9,275.16              | 90.64                   | 103.334           |                    |         |
| 16,500.00                   | 7,070.79            | 7,058.79            | 7,057.92            | 275.71          | 30.17       | -90.81                | -1,256.90                         | 962.73     | 9,464.18             | 9,373.49              | 90.69                   | 104.358           |                    |         |
| 16,600.00                   | 7,070.80            | 7,059.24            | 7,058.37            | 278.55          | 30.17       | -90.83                | -1,256.91                         | 962.73     | 9,562.60             | 9,471.85              | 90.74                   | 105.381           |                    |         |
| 16,700.00                   | 7,070.81            | 7,059.68            | 7,058.82            | 281.39          | 30.17       | -90.84                | -1,256.92                         | 962.73     | 9,661.04             | 9,570.25              | 90.80                   | 106.402           |                    |         |
| 16,800.00                   | 7,070.82            | 7,060.13            | 7,059.26            | 284.22          | 30.17       | -90.86                | -1,256.92                         | 962.72     | 9,759.52             | 9,668.67              | 90.85                   | 107.421           |                    |         |
| 16,900.00                   | 7,070.83            | 7,060.57            | 7,059.71            | 287.06          | 30.17       | -90.87                | -1,256.93                         | 962.72     | 9,858.03             | 9,767.13              | 90.91                   | 108.440           |                    |         |
| 17,000.00                   | 7,070.84            | 7,061.02            | 7,060.15            | 289.90          | 30.18       | -90.89                | -1,256.94                         | 962.72     | 9,956.57             | 9,865.61              | 90.96                   | 109.456           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 84.35                 | 92.55                             | 935.79     | 941.09               |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 65.46               | 65.46               | 3.28            | 3.28        | 84.35                 | 92.61                             | 935.70     | 940.28               | 933.71                | 6.57                    | 143.166           |                    |         |
| 200.00                      | 200.00              | 168.13              | 168.13              | 3.34            | 3.32        | 84.33                 | 92.88                             | 935.24     | 939.85               | 933.19                | 6.66                    | 141.200           |                    |         |
| 300.00                      | 300.00              | 267.18              | 267.18              | 3.44            | 3.41        | 84.31                 | 93.08                             | 934.67     | 939.31               | 932.45                | 6.85                    | 137.029           |                    |         |
| 400.00                      | 399.98              | 363.23              | 363.23              | 3.60            | 3.54        | 11.84                 | 93.16                             | 934.41     | 937.33               | 930.19                | 7.14                    | 131.188           |                    |         |
| 500.00                      | 499.84              | 457.11              | 457.10              | 3.80            | 3.71        | 11.92                 | 93.19                             | 934.66     | 932.48               | 924.96                | 7.52                    | 124.076           |                    |         |
| 600.00                      | 599.45              | 548.12              | 548.11              | 4.04            | 3.91        | 12.07                 | 93.00                             | 935.62     | 924.98               | 917.03                | 7.95                    | 116.298           |                    |         |
| 700.00                      | 698.70              | 639.90              | 639.86              | 4.32            | 4.14        | 12.29                 | 92.67                             | 937.54     | 915.11               | 906.65                | 8.46                    | 108.218           |                    |         |
| 800.00                      | 797.47              | 735.66              | 735.59              | 4.63            | 4.41        | 12.59                 | 92.20                             | 940.08     | 902.39               | 893.37                | 9.02                    | 100.011           |                    |         |
| 900.00                      | 895.62              | 832.27              | 832.16              | 4.97            | 4.70        | 12.99                 | 91.53                             | 942.93     | 886.60               | 876.96                | 9.64                    | 91.978            |                    |         |
| 924.00                      | 919.08              | 855.41              | 855.29              | 5.06            | 4.78        | 13.10                 | 91.36                             | 943.64     | 882.35               | 872.55                | 9.80                    | 90.065            |                    |         |
| 1,000.00                    | 993.28              | 930.39              | 930.23              | 5.34            | 5.02        | 13.39                 | 90.81                             | 946.00     | 868.64               | 858.34                | 10.30                   | 84.352            |                    |         |
| 1,100.00                    | 1,090.92            | 1,030.49            | 1,030.28            | 5.73            | 5.35        | 13.82                 | 89.80                             | 948.89     | 850.37               | 839.38                | 10.99                   | 77.381            |                    |         |
| 1,200.00                    | 1,188.56            | 1,126.70            | 1,126.44            | 6.15            | 5.69        | 14.26                 | 88.72                             | 951.77     | 832.24               | 820.54                | 11.70                   | 71.148            |                    |         |
| 1,300.00                    | 1,286.19            | 1,225.10            | 1,224.79            | 6.57            | 6.04        | 14.71                 | 87.82                             | 954.83     | 814.29               | 801.85                | 12.43                   | 65.485            |                    |         |
| 1,400.00                    | 1,383.83            | 1,326.05            | 1,325.69            | 7.01            | 6.41        | 15.20                 | 86.80                             | 957.72     | 796.13               | 782.93                | 13.20                   | 60.318            |                    |         |
| 1,500.00                    | 1,481.47            | 1,425.12            | 1,424.73            | 7.46            | 6.78        | 15.68                 | 86.11                             | 960.29     | 777.79               | 763.81                | 13.97                   | 55.662            |                    |         |
| 1,600.00                    | 1,579.10            | 1,523.23            | 1,522.80            | 7.91            | 7.15        | 16.17                 | 85.55                             | 962.86     | 759.52               | 744.76                | 14.76                   | 51.463            |                    |         |
| 1,700.00                    | 1,676.74            | 1,626.76            | 1,626.31            | 8.37            | 7.54        | 16.71                 | 85.00                             | 965.21     | 740.98               | 725.41                | 15.57                   | 47.590            |                    |         |
| 1,800.00                    | 1,774.38            | 1,733.08            | 1,732.61            | 8.84            | 7.95        | 17.30                 | 84.36                             | 966.44     | 721.40               | 705.00                | 16.40                   | 43.998            |                    |         |
| 1,900.00                    | 1,872.02            | 1,833.74            | 1,833.27            | 9.31            | 8.34        | 17.91                 | 83.53                             | 966.85     | 701.14               | 683.93                | 17.21                   | 40.730            |                    |         |
| 2,000.00                    | 1,969.65            | 1,931.50            | 1,931.03            | 9.79            | 8.73        | 18.54                 | 82.63                             | 967.06     | 680.79               | 662.75                | 18.03                   | 37.752            |                    |         |
| 2,100.00                    | 2,067.29            | 2,029.36            | 2,028.89            | 10.27           | 9.11        | 19.19                 | 82.04                             | 967.33     | 660.56               | 641.70                | 18.86                   | 35.027            |                    |         |
| 2,200.00                    | 2,164.93            | 2,128.59            | 2,128.11            | 10.75           | 9.51        | 19.90                 | 81.28                             | 967.34     | 640.18               | 620.49                | 19.69                   | 32.509            |                    |         |
| 2,300.00                    | 2,262.56            | 2,225.41            | 2,224.93            | 11.24           | 9.90        | 20.64                 | 80.59                             | 967.35     | 619.89               | 599.36                | 20.53                   | 30.198            |                    |         |
| 2,400.00                    | 2,360.20            | 2,322.38            | 2,321.90            | 11.73           | 10.29       | 21.42                 | 79.99                             | 967.47     | 599.82               | 578.45                | 21.37                   | 28.069            |                    |         |
| 2,500.00                    | 2,457.84            | 2,419.54            | 2,419.06            | 12.22           | 10.68       | 22.21                 | 79.82                             | 967.72     | 579.95               | 557.73                | 22.22                   | 26.104            |                    |         |
| 2,600.00                    | 2,555.48            | 2,517.21            | 2,516.72            | 12.71           | 11.08       | 23.03                 | 79.92                             | 968.05     | 560.26               | 537.19                | 23.07                   | 24.286            |                    |         |
| 2,700.00                    | 2,653.11            | 2,616.08            | 2,615.59            | 13.20           | 11.48       | 23.92                 | 79.98                             | 968.27     | 540.57               | 516.64                | 23.93                   | 22.592            |                    |         |
| 2,800.00                    | 2,750.75            | 2,715.24            | 2,714.75            | 13.70           | 11.88       | 24.91                 | 79.84                             | 968.21     | 520.77               | 495.98                | 24.79                   | 21.010            |                    |         |
| 2,900.00                    | 2,848.39            | 2,814.23            | 2,813.75            | 14.19           | 12.29       | 26.00                 | 79.56                             | 967.81     | 500.82               | 475.17                | 25.65                   | 19.525            |                    |         |
| 3,000.00                    | 2,946.02            | 2,911.28            | 2,910.79            | 14.69           | 12.69       | 27.23                 | 78.76                             | 967.28     | 480.99               | 454.47                | 26.52                   | 18.138            |                    |         |
| 3,100.00                    | 3,043.66            | 3,008.62            | 3,008.12            | 15.19           | 13.09       | 28.63                 | 77.38                             | 966.70     | 461.46               | 434.07                | 27.39                   | 16.845            |                    |         |
| 3,200.00                    | 3,141.30            | 3,105.69            | 3,105.18            | 15.69           | 13.49       | 30.08                 | 76.50                             | 966.28     | 442.27               | 414.00                | 28.28                   | 15.642            |                    |         |
| 3,300.00                    | 3,238.94            | 3,202.32            | 3,201.81            | 16.19           | 13.90       | 31.61                 | 75.89                             | 966.06     | 423.52               | 394.36                | 29.16                   | 14.522            |                    |         |
| 3,400.00                    | 3,336.57            | 3,298.12            | 3,297.60            | 16.69           | 14.29       | 33.25                 | 75.24                             | 966.16     | 405.41               | 375.35                | 30.06                   | 13.487            |                    |         |
| 3,500.00                    | 3,434.21            | 3,393.02            | 3,392.51            | 17.19           | 14.69       | 34.99                 | 74.68                             | 966.83     | 388.23               | 357.26                | 30.97                   | 12.537            |                    |         |
| 3,600.00                    | 3,531.85            | 3,487.65            | 3,487.12            | 17.69           | 15.08       | 36.82                 | 74.19                             | 968.31     | 372.21               | 340.33                | 31.88                   | 11.675            |                    |         |
| 3,700.00                    | 3,629.48            | 3,583.66            | 3,583.10            | 18.20           | 15.49       | 38.86                 | 73.31                             | 970.40     | 357.35               | 324.54                | 32.80                   | 10.894            |                    |         |
| 3,800.00                    | 3,727.12            | 3,685.90            | 3,685.31            | 18.70           | 15.91       | 41.40                 | 71.44                             | 972.02     | 342.81               | 309.08                | 33.73                   | 10.163            |                    |         |
| 3,900.00                    | 3,824.76            | 3,784.90            | 3,784.30            | 19.21           | 16.33       | 44.08                 | 70.08                             | 972.66     | 327.92               | 293.25                | 34.67                   | 9.457             |                    |         |
| 4,000.00                    | 3,922.40            | 3,885.40            | 3,884.80            | 19.71           | 16.75       | 46.93                 | 69.52                             | 973.13     | 313.26               | 277.64                | 35.62                   | 8.795             |                    |         |
| 4,100.00                    | 4,020.03            | 3,982.93            | 3,982.33            | 20.21           | 17.16       | 49.90                 | 69.50                             | 973.28     | 298.87               | 262.28                | 36.58                   | 8.169             |                    |         |
| 4,200.00                    | 4,117.67            | 4,080.82            | 4,080.21            | 20.72           | 17.57       | 53.14                 | 69.55                             | 973.57     | 285.43               | 247.87                | 37.56                   | 7.599             |                    |         |
| 4,300.00                    | 4,215.31            | 4,178.77            | 4,178.16            | 21.23           | 17.98       | 56.78                 | 69.27                             | 973.49     | 272.92               | 234.37                | 38.55                   | 7.079             |                    |         |
| 4,400.00                    | 4,312.94            | 4,276.24            | 4,275.64            | 21.73           | 18.39       | 60.80                 | 68.76                             | 973.12     | 261.59               | 222.02                | 39.56                   | 6.612             |                    |         |
| 4,500.00                    | 4,410.58            | 4,373.17            | 4,372.55            | 22.24           | 18.80       | 65.23                 | 67.80                             | 972.50     | 251.84               | 211.25                | 40.59                   | 6.205             |                    |         |
| 4,600.00                    | 4,508.22            | 4,468.74            | 4,468.12            | 22.75           | 19.20       | 70.00                 | 66.27                             | 971.81     | 244.20               | 202.58                | 41.62                   | 5.868             |                    |         |
| 4,700.00                    | 4,605.86            | 4,563.22            | 4,562.54            | 23.25           | 19.60       | 75.22                 | 63.31                             | 970.72     | 239.55               | 196.91                | 42.64                   | 5.618             |                    |         |
| 4,778.56                    | 4,682.56            | 4,637.03            | 4,636.26            | 23.65           | 19.92       | 79.60                 | 59.85                             | 969.55     | 238.38               | 194.96                | 43.42                   | 5.490 CC          |                    |         |
| 4,800.00                    | 4,703.49            | 4,657.15            | 4,656.35            | 23.76           | 20.00       | 80.82                 | 58.76                             | 969.21     | 238.47               | 194.84                | 43.63                   | 5.466 ES          |                    |         |
| 4,900.00                    | 4,801.13            | 4,752.03            | 4,751.04            | 24.27           | 20.40       | 86.54                 | 53.00                             | 967.74     | 241.11               | 196.54                | 44.57                   | 5.409 SF          |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                    | 4,898.77            | 4,848.80            | 4,847.61            | 24.77           | 20.82       | 92.07                 | 46.97                             | 966.88     | 246.66               | 201.16                | 45.50                   | 5.421             |                    |         |
| 5,100.00                    | 4,996.40            | 4,947.02            | 4,945.66            | 25.28           | 21.23       | 97.34                 | 41.18                             | 966.26     | 254.25               | 207.84                | 46.42                   | 5.478             |                    |         |
| 5,200.00                    | 5,094.04            | 5,046.91            | 5,045.41            | 25.79           | 21.66       | 102.42                | 36.02                             | 965.29     | 263.18               | 215.85                | 47.33                   | 5.560             |                    |         |
| 5,300.00                    | 5,191.68            | 5,147.55            | 5,145.98            | 26.30           | 22.09       | 107.16                | 32.22                             | 964.37     | 272.64               | 224.41                | 48.23                   | 5.653             |                    |         |
| 5,400.00                    | 5,289.32            | 5,248.40            | 5,246.79            | 26.81           | 22.51       | 111.62                | 29.60                             | 963.26     | 282.67               | 233.55                | 49.12                   | 5.755             |                    |         |
| 5,500.00                    | 5,386.95            | 5,348.64            | 5,347.01            | 27.32           | 22.94       | 115.83                | 28.42                             | 961.92     | 292.90               | 242.92                | 49.98                   | 5.861             |                    |         |
| 5,600.00                    | 5,484.59            | 5,448.42            | 5,446.78            | 27.83           | 23.36       | 119.81                | 27.99                             | 960.25     | 303.93               | 253.11                | 50.81                   | 5.981             |                    |         |
| 5,700.00                    | 5,582.23            | 5,549.32            | 5,547.65            | 28.33           | 23.78       | 123.67                | 28.84                             | 958.18     | 315.21               | 263.56                | 51.65                   | 6.102             |                    |         |
| 5,800.00                    | 5,679.87            | 5,646.94            | 5,645.23            | 28.84           | 24.19       | 127.20                | 30.54                             | 956.12     | 326.96               | 274.52                | 52.45                   | 6.234             |                    |         |
| 5,900.00                    | 5,777.50            | 5,740.57            | 5,738.84            | 29.35           | 24.58       | 130.25                | 31.40                             | 954.45     | 340.49               | 287.30                | 53.19                   | 6.402             |                    |         |
| 6,000.00                    | 5,875.14            | 5,834.65            | 5,832.90            | 29.86           | 24.98       | 132.99                | 30.95                             | 952.83     | 356.20               | 302.27                | 53.93                   | 6.605             |                    |         |
| 6,100.00                    | 5,972.78            | 5,931.87            | 5,930.11            | 30.37           | 25.39       | 135.46                | 29.87                             | 951.82     | 372.92               | 318.19                | 54.73                   | 6.814             |                    |         |
| 6,200.00                    | 6,070.41            | 6,029.23            | 6,027.46            | 30.88           | 25.80       | 137.68                | 28.57                             | 950.92     | 390.40               | 334.87                | 55.54                   | 7.029             |                    |         |
| 6,300.00                    | 6,168.05            | 6,128.43            | 6,126.65            | 31.39           | 26.23       | 139.76                | 27.58                             | 950.20     | 408.04               | 351.66                | 56.38                   | 7.237             |                    |         |
| 6,400.00                    | 6,265.69            | 6,225.44            | 6,223.65            | 31.90           | 26.64       | 141.63                | 26.75                             | 949.51     | 426.02               | 368.83                | 57.19                   | 7.450             |                    |         |
| 6,439.09                    | 6,303.85            | 6,263.03            | 6,261.25            | 32.10           | 26.80       | 142.31                | 26.39                             | 949.21     | 433.22               | 375.71                | 57.50                   | 7.534             |                    |         |
| 6,450.00                    | 6,314.53            | 6,273.55            | 6,271.76            | 32.16           | 26.84       | 144.11                | 26.29                             | 949.12     | 435.19               | 377.60                | 57.59                   | 7.557             |                    |         |
| 6,500.00                    | 6,363.83            | 6,322.64            | 6,320.85            | 32.39           | 27.05       | 156.65                | 25.78                             | 948.68     | 442.95               | 384.95                | 58.00                   | 7.637             |                    |         |
| 6,550.00                    | 6,413.58            | 6,372.82            | 6,371.03            | 32.60           | 27.26       | -170.24               | 25.29                             | 948.25     | 448.40               | 389.98                | 58.42                   | 7.676             |                    |         |
| 6,600.00                    | 6,463.45            | 6,422.97            | 6,421.17            | 32.79           | 27.47       | -109.45               | 24.83                             | 947.86     | 451.50               | 392.65                | 58.84                   | 7.673             |                    |         |
| 6,650.00                    | 6,513.15            | 6,472.70            | 6,470.90            | 32.97           | 27.69       | -82.56                | 24.37                             | 947.52     | 452.29               | 393.02                | 59.27                   | 7.632             |                    |         |
| 6,700.00                    | 6,562.37            | 6,522.21            | 6,520.41            | 33.15           | 27.90       | -73.74                | 23.88                             | 947.23     | 450.89               | 391.18                | 59.71                   | 7.552             |                    |         |
| 6,750.00                    | 6,610.80            | 6,571.25            | 6,569.44            | 33.34           | 28.10       | -70.65                | 23.44                             | 946.96     | 447.44               | 387.28                | 60.17                   | 7.437             |                    |         |
| 6,800.00                    | 6,658.14            | 6,618.69            | 6,616.88            | 33.53           | 28.31       | -70.12                | 23.07                             | 946.72     | 442.23               | 381.59                | 60.64                   | 7.293             |                    |         |
| 6,850.00                    | 6,704.11            | 6,664.07            | 6,662.26            | 33.74           | 28.50       | -71.05                | 22.69                             | 946.43     | 435.72               | 374.60                | 61.12                   | 7.128             |                    |         |
| 6,900.00                    | 6,748.42            | 6,708.00            | 6,706.18            | 33.97           | 28.69       | -72.98                | 22.29                             | 946.08     | 428.39               | 366.74                | 61.64                   | 6.949             |                    |         |
| 6,950.00                    | 6,790.79            | 6,750.55            | 6,748.73            | 34.21           | 28.87       | -75.65                | 21.91                             | 945.66     | 420.73               | 358.53                | 62.21                   | 6.763             |                    |         |
| 7,000.00                    | 6,830.97            | 6,791.05            | 6,789.23            | 34.48           | 29.04       | -78.83                | 21.58                             | 945.19     | 413.38               | 350.57                | 62.81                   | 6.581             |                    |         |
| 7,050.00                    | 6,868.71            | 6,828.99            | 6,827.16            | 34.77           | 29.20       | -82.27                | 21.28                             | 944.68     | 407.08               | 343.63                | 63.45                   | 6.416             |                    |         |
| 7,100.00                    | 6,903.77            | 6,864.30            | 6,862.47            | 35.09           | 29.35       | -85.76                | 20.99                             | 944.18     | 402.62               | 338.51                | 64.11                   | 6.281             |                    |         |
| 7,150.00                    | 6,935.93            | 6,896.86            | 6,895.02            | 35.44           | 29.49       | -89.10                | 20.71                             | 943.67     | 400.82               | 336.05                | 64.77                   | 6.189             |                    |         |
| 7,153.12                    | 6,937.84            | 6,898.79            | 6,896.96            | 35.47           | 29.50       | -89.30                | 20.69                             | 943.64     | 400.81               | 336.00                | 64.81                   | 6.184             |                    |         |
| 7,200.00                    | 6,965.01            | 6,926.83            | 6,924.99            | 35.83           | 29.62       | -92.14                | 20.46                             | 943.21     | 402.41               | 337.01                | 65.40                   | 6.153             |                    |         |
| 7,250.00                    | 6,990.82            | 6,953.47            | 6,951.63            | 36.26           | 29.73       | -94.63                | 20.25                             | 942.83     | 408.03               | 342.06                | 65.97                   | 6.185             |                    |         |
| 7,300.00                    | 7,013.20            | 6,976.59            | 6,974.75            | 36.72           | 29.83       | -96.43                | 20.09                             | 942.52     | 418.11               | 351.68                | 66.44                   | 6.293             |                    |         |
| 7,350.00                    | 7,032.02            | 6,996.06            | 6,994.21            | 37.23           | 29.91       | -97.42                | 19.96                             | 942.29     | 432.85               | 366.08                | 66.77                   | 6.482             |                    |         |
| 7,400.00                    | 7,047.15            | 7,011.54            | 7,009.69            | 37.77           | 29.98       | -97.48                | 19.87                             | 942.11     | 452.19               | 385.21                | 66.98                   | 6.751             |                    |         |
| 7,450.00                    | 7,058.51            | 7,023.17            | 7,021.31            | 38.34           | 30.02       | -96.56                | 19.79                             | 941.99     | 475.81               | 408.75                | 67.06                   | 7.095             |                    |         |
| 7,500.00                    | 7,066.02            | 7,030.98            | 7,029.13            | 38.95           | 30.06       | -94.64                | 19.74                             | 941.91     | 503.26               | 436.22                | 67.04                   | 7.507             |                    |         |
| 7,550.00                    | 7,069.64            | 7,034.98            | 7,033.12            | 39.58           | 30.07       | -91.67                | 19.71                             | 941.87     | 533.96               | 467.02                | 66.94                   | 7.977             |                    |         |
| 7,571.20                    | 7,070.00            | 7,035.51            | 7,033.66            | 39.85           | 30.08       | -90.10                | 19.71                             | 941.87     | 547.80               | 480.93                | 66.87                   | 8.192             |                    |         |
| 7,600.00                    | 7,070.00            | 7,035.78            | 7,033.93            | 40.23           | 30.08       | -90.13                | 19.71                             | 941.87     | 567.32               | 500.54                | 66.78                   | 8.496             |                    |         |
| 7,700.00                    | 7,070.01            | 7,036.70            | 7,034.84            | 41.64           | 30.08       | -90.26                | 19.70                             | 941.86     | 640.54               | 574.11                | 66.44                   | 9.641             |                    |         |
| 7,800.00                    | 7,070.02            | 7,037.60            | 7,035.75            | 43.20           | 30.09       | -90.39                | 19.70                             | 941.85     | 720.24               | 654.12                | 66.11                   | 10.894            |                    |         |
| 7,900.00                    | 7,070.03            | 7,038.49            | 7,036.64            | 44.89           | 30.09       | -90.51                | 19.69                             | 941.84     | 804.48               | 738.65                | 65.83                   | 12.221            |                    |         |
| 8,000.00                    | 7,070.04            | 7,039.38            | 7,037.53            | 46.69           | 30.09       | -90.64                | 19.68                             | 941.83     | 891.98               | 826.40                | 65.59                   | 13.600            |                    |         |
| 8,100.00                    | 7,070.05            | 7,040.25            | 7,038.40            | 48.60           | 30.10       | -90.76                | 19.68                             | 941.83     | 981.87               | 916.49                | 65.38                   | 15.018            |                    |         |
| 8,200.00                    | 7,070.05            | 7,041.12            | 7,039.27            | 50.59           | 30.10       | -90.88                | 19.67                             | 941.82     | 1,073.55             | 1,008.34              | 65.21                   | 16.464            |                    |         |
| 8,300.00                    | 7,070.06            | 7,041.97            | 7,040.12            | 52.66           | 30.10       | -91.00                | 19.67                             | 941.81     | 1,166.60             | 1,101.53              | 65.06                   | 17.931            |                    |         |
| 8,400.00                    | 7,070.07            | 7,042.82            | 7,040.97            | 54.81           | 30.11       | -91.12                | 19.66                             | 941.80     | 1,260.71             | 1,195.77              | 64.94                   | 19.414            |                    |         |
| 8,500.00                    | 7,070.08            | 7,043.66            | 7,041.80            | 57.02           | 30.11       | -91.24                | 19.65                             | 941.79     | 1,355.66             | 1,290.83              | 64.84                   | 20.909            |                    |         |
| 8,600.00                    | 7,070.09            | 7,044.49            | 7,042.63            | 59.28           | 30.12       | -91.35                | 19.65                             | 941.79     | 1,451.29             | 1,386.55              | 64.75                   | 22.415            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                        |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                        |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance               |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre |            | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
|                             |                     |                     |                     |                 |             |                       | +N/-S (ft)             | +E/-W (ft) |                      |                       |                         |                   |                    |         |
| 8,700.00                    | 7,070.10            | 7,045.30            | 7,043.45            | 61.60           | 30.12       | -91.47                | 19.64                  | 941.78     | 1,547.48             | 1,482.80              | 64.67                   | 23.928            |                    |         |
| 8,800.00                    | 7,070.11            | 7,046.11            | 7,044.26            | 63.95           | 30.12       | -91.58                | 19.64                  | 941.77     | 1,644.11             | 1,579.50              | 64.61                   | 25.447            |                    |         |
| 8,900.00                    | 7,070.12            | 7,046.92            | 7,045.06            | 66.35           | 30.13       | -91.69                | 19.63                  | 941.77     | 1,741.13             | 1,676.58              | 64.56                   | 26.971            |                    |         |
| 9,000.00                    | 7,070.13            | 7,047.71            | 7,045.85            | 68.79           | 30.13       | -91.80                | 19.63                  | 941.76     | 1,838.47             | 1,773.96              | 64.51                   | 28.498            |                    |         |
| 9,100.00                    | 7,070.13            | 7,048.49            | 7,046.64            | 71.25           | 30.13       | -91.91                | 19.62                  | 941.75     | 1,936.08             | 1,871.60              | 64.47                   | 30.029            |                    |         |
| 9,200.00                    | 7,070.14            | 7,049.27            | 7,047.42            | 73.74           | 30.14       | -92.02                | 19.62                  | 941.75     | 2,033.92             | 1,969.48              | 64.44                   | 31.562            |                    |         |
| 9,300.00                    | 7,070.15            | 7,050.04            | 7,048.18            | 76.26           | 30.14       | -92.13                | 19.61                  | 941.74     | 2,131.96             | 2,067.54              | 64.42                   | 33.097            |                    |         |
| 9,400.00                    | 7,070.16            | 7,050.80            | 7,048.94            | 78.80           | 30.14       | -92.23                | 19.61                  | 941.73     | 2,230.17             | 2,165.78              | 64.40                   | 34.632            |                    |         |
| 9,500.00                    | 7,070.17            | 7,051.55            | 7,049.70            | 81.37           | 30.15       | -92.34                | 19.60                  | 941.73     | 2,328.54             | 2,264.16              | 64.38                   | 36.169            |                    |         |
| 9,600.00                    | 7,070.18            | 7,052.30            | 7,050.44            | 83.95           | 30.15       | -92.44                | 19.59                  | 941.72     | 2,427.04             | 2,362.67              | 64.37                   | 37.706            |                    |         |
| 9,700.00                    | 7,070.19            | 7,053.03            | 7,051.18            | 86.55           | 30.15       | -92.54                | 19.59                  | 941.71     | 2,525.65             | 2,461.29              | 64.36                   | 39.243            |                    |         |
| 9,800.00                    | 7,070.20            | 7,053.76            | 7,051.91            | 89.17           | 30.15       | -92.65                | 19.58                  | 941.71     | 2,624.37             | 2,560.02              | 64.35                   | 40.780            |                    |         |
| 9,900.00                    | 7,070.21            | 7,054.49            | 7,052.63            | 91.80           | 30.16       | -92.75                | 19.58                  | 941.70     | 2,723.19             | 2,658.84              | 64.35                   | 42.317            |                    |         |
| 10,000.00                   | 7,070.21            | 7,055.20            | 7,053.35            | 94.44           | 30.16       | -92.85                | 19.57                  | 941.70     | 2,822.09             | 2,757.73              | 64.35                   | 43.853            |                    |         |
| 10,100.00                   | 7,070.22            | 7,055.91            | 7,054.05            | 97.10           | 30.16       | -92.94                | 19.57                  | 941.69     | 2,921.06             | 2,856.70              | 64.36                   | 45.388            |                    |         |
| 10,200.00                   | 7,070.23            | 7,056.61            | 7,054.75            | 99.77           | 30.17       | -93.04                | 19.56                  | 941.68     | 3,020.10             | 2,955.73              | 64.36                   | 46.922            |                    |         |
| 10,300.00                   | 7,070.24            | 7,057.30            | 7,055.45            | 102.44          | 30.17       | -93.14                | 19.56                  | 941.68     | 3,119.20             | 3,054.83              | 64.37                   | 48.455            |                    |         |
| 10,400.00                   | 7,070.25            | 7,057.99            | 7,056.14            | 105.13          | 30.17       | -93.23                | 19.55                  | 941.67     | 3,218.36             | 3,153.97              | 64.38                   | 49.986            |                    |         |
| 10,500.00                   | 7,070.26            | 7,058.67            | 7,056.82            | 107.83          | 30.18       | -93.33                | 19.55                  | 941.67     | 3,317.56             | 3,253.16              | 64.40                   | 51.516            |                    |         |
| 10,600.00                   | 7,070.27            | 7,059.34            | 7,057.49            | 110.53          | 30.18       | -93.42                | 19.55                  | 941.66     | 3,416.82             | 3,352.40              | 64.41                   | 53.045            |                    |         |
| 10,700.00                   | 7,070.28            | 7,060.01            | 7,058.16            | 113.24          | 30.18       | -93.52                | 19.54                  | 941.66     | 3,516.11             | 3,451.68              | 64.43                   | 54.572            |                    |         |
| 10,800.00                   | 7,070.28            | 7,060.67            | 7,058.82            | 115.96          | 30.18       | -93.61                | 19.54                  | 941.65     | 3,615.45             | 3,550.99              | 64.45                   | 56.096            |                    |         |
| 10,900.00                   | 7,070.29            | 7,061.33            | 7,059.47            | 118.69          | 30.19       | -93.70                | 19.53                  | 941.65     | 3,714.81             | 3,650.34              | 64.47                   | 57.619            |                    |         |
| 11,000.00                   | 7,070.30            | 7,061.97            | 7,060.12            | 121.42          | 30.19       | -93.79                | 19.53                  | 941.64     | 3,814.22             | 3,749.72              | 64.49                   | 59.140            |                    |         |
| 11,100.00                   | 7,070.31            | 7,062.62            | 7,060.76            | 124.16          | 30.19       | -93.88                | 19.52                  | 941.64     | 3,913.65             | 3,849.13              | 64.52                   | 60.658            |                    |         |
| 11,200.00                   | 7,070.32            | 7,063.25            | 7,061.40            | 126.90          | 30.19       | -93.97                | 19.52                  | 941.63     | 4,013.11             | 3,948.56              | 64.55                   | 62.175            |                    |         |
| 11,300.00                   | 7,070.33            | 7,063.88            | 7,062.03            | 129.65          | 30.20       | -94.05                | 19.51                  | 941.63     | 4,112.60             | 4,048.02              | 64.57                   | 63.688            |                    |         |
| 11,400.00                   | 7,070.34            | 7,064.51            | 7,062.65            | 132.40          | 30.20       | -94.14                | 19.51                  | 941.62     | 4,212.11             | 4,147.50              | 64.60                   | 65.200            |                    |         |
| 11,500.00                   | 7,070.35            | 7,065.12            | 7,063.27            | 135.16          | 30.20       | -94.23                | 19.50                  | 941.62     | 4,311.64             | 4,247.01              | 64.63                   | 66.709            |                    |         |
| 11,600.00                   | 7,070.36            | 7,065.74            | 7,063.88            | 137.92          | 30.21       | -94.31                | 19.50                  | 941.61     | 4,411.20             | 4,346.53              | 64.67                   | 68.215            |                    |         |
| 11,700.00                   | 7,070.36            | 7,066.34            | 7,064.49            | 140.69          | 30.21       | -94.40                | 19.49                  | 941.61     | 4,510.77             | 4,446.07              | 64.70                   | 69.718            |                    |         |
| 11,800.00                   | 7,070.37            | 7,066.94            | 7,065.09            | 143.46          | 30.21       | -94.48                | 19.49                  | 941.60     | 4,610.36             | 4,545.63              | 64.74                   | 71.218            |                    |         |
| 11,900.00                   | 7,070.38            | 7,067.54            | 7,065.68            | 146.23          | 30.21       | -94.56                | 19.49                  | 941.60     | 4,709.97             | 4,645.20              | 64.77                   | 72.716            |                    |         |
| 12,000.00                   | 7,070.39            | 7,068.13            | 7,066.27            | 149.01          | 30.22       | -94.64                | 19.48                  | 941.59     | 4,809.60             | 4,744.79              | 64.81                   | 74.211            |                    |         |
| 12,100.00                   | 7,070.40            | 7,068.71            | 7,066.86            | 151.79          | 30.22       | -94.72                | 19.48                  | 941.59     | 4,909.24             | 4,844.39              | 64.85                   | 75.702            |                    |         |
| 12,200.00                   | 7,070.41            | 7,069.29            | 7,067.44            | 154.57          | 30.22       | -94.80                | 19.47                  | 941.58     | 5,008.89             | 4,944.00              | 64.89                   | 77.191            |                    |         |
| 12,300.00                   | 7,070.42            | 7,069.87            | 7,068.01            | 157.35          | 30.22       | -94.88                | 19.47                  | 941.58     | 5,108.56             | 5,043.63              | 64.93                   | 78.676            |                    |         |
| 12,400.00                   | 7,070.43            | 7,070.44            | 7,068.58            | 160.14          | 30.23       | -94.96                | 19.46                  | 941.58     | 5,208.24             | 5,143.27              | 64.97                   | 80.158            |                    |         |
| 12,500.00                   | 7,070.44            | 7,071.00            | 7,069.15            | 162.93          | 30.23       | -95.04                | 19.46                  | 941.57     | 5,307.94             | 5,242.92              | 65.02                   | 81.637            |                    |         |
| 12,600.00                   | 7,070.44            | 7,071.56            | 7,069.70            | 165.72          | 30.23       | -95.12                | 19.46                  | 941.57     | 5,407.64             | 5,342.58              | 65.06                   | 83.112            |                    |         |
| 12,700.00                   | 7,070.45            | 7,072.11            | 7,070.26            | 168.52          | 30.23       | -95.20                | 19.45                  | 941.56     | 5,507.36             | 5,442.24              | 65.11                   | 84.584            |                    |         |
| 12,800.00                   | 7,070.46            | 7,072.66            | 7,070.81            | 171.32          | 30.23       | -95.27                | 19.45                  | 941.56     | 5,607.08             | 5,541.92              | 65.16                   | 86.052            |                    |         |
| 12,900.00                   | 7,070.47            | 7,073.21            | 7,071.35            | 174.11          | 30.24       | -95.35                | 19.44                  | 941.56     | 5,706.81             | 5,641.61              | 65.21                   | 87.517            |                    |         |
| 13,000.00                   | 7,070.48            | 7,073.75            | 7,071.89            | 176.92          | 30.24       | -95.42                | 19.44                  | 941.55     | 5,806.56             | 5,741.30              | 65.26                   | 88.978            |                    |         |
| 13,100.00                   | 7,070.49            | 7,074.28            | 7,072.43            | 179.72          | 30.24       | -95.50                | 19.44                  | 941.55     | 5,906.31             | 5,841.00              | 65.31                   | 90.436            |                    |         |
| 13,200.00                   | 7,070.50            | 7,074.81            | 7,072.96            | 182.52          | 30.24       | -95.57                | 19.43                  | 941.54     | 6,006.07             | 5,940.71              | 65.36                   | 91.889            |                    |         |
| 13,300.00                   | 7,070.51            | 7,075.34            | 7,073.48            | 185.33          | 30.25       | -95.64                | 19.43                  | 941.54     | 6,105.84             | 6,040.42              | 65.42                   | 93.339            |                    |         |
| 13,400.00                   | 7,070.52            | 7,075.86            | 7,074.00            | 188.14          | 30.25       | -95.71                | 19.42                  | 941.54     | 6,205.61             | 6,140.14              | 65.47                   | 94.785            |                    |         |
| 13,500.00                   | 7,070.52            | 7,076.37            | 7,074.52            | 190.95          | 30.25       | -95.78                | 19.42                  | 941.53     | 6,305.40             | 6,239.87              | 65.53                   | 96.228            |                    |         |
| 13,600.00                   | 7,070.53            | 7,076.89            | 7,075.03            | 193.76          | 30.25       | -95.86                | 19.42                  | 941.53     | 6,405.19             | 6,339.60              | 65.58                   | 97.666            |                    |         |
| 13,700.00                   | 7,070.54            | 7,077.39            | 7,075.54            | 196.57          | 30.25       | -95.93                | 19.41                  | 941.53     | 6,504.98             | 6,439.34              | 65.64                   | 99.100            |                    |         |
| 13,800.00                   | 7,070.55            | 7,077.90            | 7,076.04            | 199.38          | 30.26       | -96.00                | 19.41                  | 941.52     | 6,604.78             | 6,539.08              | 65.70                   | 100.531           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                   | 7,070.56            | 7,078.40            | 7,076.54            | 202.20          | 30.26       | -96.06                | 19.41                             | 941.52     | 6,704.59             | 6,638.83              | 65.76                   | 101.957           |                    |         |
| 14,000.00                   | 7,070.57            | 7,078.89            | 7,077.04            | 205.01          | 30.26       | -96.13                | 19.40                             | 941.52     | 6,804.41             | 6,738.59              | 65.82                   | 103.379           |                    |         |
| 14,100.00                   | 7,070.58            | 7,079.38            | 7,077.53            | 207.83          | 30.26       | -96.20                | 19.40                             | 941.51     | 6,904.22             | 6,838.34              | 65.88                   | 104.797           |                    |         |
| 14,200.00                   | 7,070.59            | 7,079.87            | 7,078.02            | 210.65          | 30.27       | -96.27                | 19.39                             | 941.51     | 7,004.05             | 6,938.10              | 65.94                   | 106.211           |                    |         |
| 14,300.00                   | 7,070.60            | 7,080.35            | 7,078.50            | 213.47          | 30.27       | -96.33                | 19.39                             | 941.51     | 7,103.88             | 7,037.87              | 66.01                   | 107.620           |                    |         |
| 14,400.00                   | 7,070.60            | 7,080.83            | 7,078.98            | 216.29          | 30.27       | -96.40                | 19.39                             | 941.50     | 7,203.71             | 7,137.64              | 66.07                   | 109.026           |                    |         |
| 14,500.00                   | 7,070.61            | 7,081.31            | 7,079.45            | 219.11          | 30.27       | -96.47                | 19.38                             | 941.50     | 7,303.55             | 7,237.41              | 66.14                   | 110.426           |                    |         |
| 14,600.00                   | 7,070.62            | 7,081.78            | 7,079.92            | 221.94          | 30.27       | -96.53                | 19.38                             | 941.50     | 7,403.39             | 7,337.18              | 66.21                   | 111.823           |                    |         |
| 14,700.00                   | 7,070.63            | 7,082.25            | 7,080.39            | 224.76          | 30.28       | -96.59                | 19.38                             | 941.49     | 7,503.24             | 7,436.96              | 66.27                   | 113.215           |                    |         |
| 14,800.00                   | 7,070.64            | 7,082.71            | 7,080.85            | 227.58          | 30.28       | -96.66                | 19.37                             | 941.49     | 7,603.09             | 7,536.74              | 66.34                   | 114.603           |                    |         |
| 14,900.00                   | 7,070.65            | 7,083.17            | 7,081.31            | 230.41          | 30.28       | -96.72                | 19.37                             | 941.49     | 7,702.94             | 7,636.53              | 66.41                   | 115.986           |                    |         |
| 15,000.00                   | 7,070.66            | 7,083.63            | 7,081.77            | 233.24          | 30.28       | -96.78                | 19.37                             | 941.48     | 7,802.80             | 7,736.32              | 66.48                   | 117.365           |                    |         |
| 15,100.00                   | 7,070.67            | 7,084.08            | 7,082.22            | 236.06          | 30.28       | -96.85                | 19.36                             | 941.48     | 7,902.66             | 7,836.11              | 66.55                   | 118.739           |                    |         |
| 15,200.00                   | 7,070.68            | 7,084.53            | 7,082.67            | 238.89          | 30.29       | -96.91                | 19.36                             | 941.48     | 8,002.53             | 7,935.90              | 66.63                   | 120.109           |                    |         |
| 15,300.00                   | 7,070.68            | 7,084.97            | 7,083.12            | 241.72          | 30.29       | -96.97                | 19.36                             | 941.48     | 8,102.39             | 8,035.69              | 66.70                   | 121.474           |                    |         |
| 15,400.00                   | 7,070.69            | 7,085.41            | 7,083.56            | 244.55          | 30.29       | -97.03                | 19.35                             | 941.47     | 8,202.27             | 8,135.49              | 66.77                   | 122.835           |                    |         |
| 15,500.00                   | 7,070.70            | 7,085.85            | 7,084.00            | 247.38          | 30.29       | -97.09                | 19.35                             | 941.47     | 8,302.14             | 8,235.29              | 66.85                   | 124.191           |                    |         |
| 15,600.00                   | 7,070.71            | 7,086.29            | 7,084.43            | 250.21          | 30.29       | -97.15                | 19.35                             | 941.47     | 8,402.02             | 8,335.09              | 66.93                   | 125.542           |                    |         |
| 15,700.00                   | 7,070.72            | 7,086.72            | 7,084.86            | 253.04          | 30.29       | -97.21                | 19.34                             | 941.46     | 8,501.90             | 8,434.89              | 67.00                   | 126.888           |                    |         |
| 15,800.00                   | 7,070.73            | 7,087.15            | 7,085.29            | 255.87          | 30.30       | -97.27                | 19.34                             | 941.46     | 8,601.78             | 8,534.70              | 67.08                   | 128.230           |                    |         |
| 15,900.00                   | 7,070.74            | 7,087.57            | 7,085.72            | 258.71          | 30.30       | -97.33                | 19.34                             | 941.46     | 8,701.67             | 8,634.51              | 67.16                   | 129.567           |                    |         |
| 16,000.00                   | 7,070.75            | 7,087.99            | 7,086.14            | 261.54          | 30.30       | -97.38                | 19.33                             | 941.46     | 8,801.55             | 8,734.32              | 67.24                   | 130.900           |                    |         |
| 16,100.00                   | 7,070.76            | 7,088.41            | 7,086.56            | 264.37          | 30.30       | -97.44                | 19.33                             | 941.45     | 8,901.44             | 8,834.13              | 67.32                   | 132.227           |                    |         |
| 16,200.00                   | 7,070.76            | 7,088.83            | 7,086.97            | 267.21          | 30.30       | -97.50                | 19.33                             | 941.45     | 9,001.34             | 8,933.94              | 67.40                   | 133.550           |                    |         |
| 16,300.00                   | 7,070.77            | 7,100.00            | 7,098.14            | 270.04          | 30.35       | -99.03                | 19.24                             | 941.39     | 9,101.24             | 9,033.74              | 67.50                   | 134.831           |                    |         |
| 16,400.00                   | 7,070.78            | 7,100.00            | 7,098.14            | 272.88          | 30.35       | -99.03                | 19.24                             | 941.39     | 9,201.14             | 9,133.56              | 67.58                   | 136.145           |                    |         |
| 16,500.00                   | 7,070.79            | 7,100.00            | 7,098.14            | 275.71          | 30.35       | -99.03                | 19.24                             | 941.39     | 9,301.04             | 9,233.37              | 67.67                   | 137.454           |                    |         |
| 16,600.00                   | 7,070.80            | 7,100.00            | 7,098.14            | 278.55          | 30.35       | -99.03                | 19.24                             | 941.39     | 9,400.94             | 9,333.19              | 67.75                   | 138.758           |                    |         |
| 16,700.00                   | 7,070.81            | 7,100.00            | 7,098.14            | 281.39          | 30.35       | -99.03                | 19.24                             | 941.39     | 9,500.84             | 9,433.01              | 67.84                   | 140.058           |                    |         |
| 16,800.00                   | 7,070.82            | 7,100.00            | 7,098.14            | 284.22          | 30.35       | -99.03                | 19.24                             | 941.39     | 9,600.75             | 9,532.83              | 67.92                   | 141.352           |                    |         |
| 16,900.00                   | 7,070.83            | 7,100.00            | 7,098.14            | 287.06          | 30.35       | -99.03                | 19.24                             | 941.39     | 9,700.66             | 9,632.65              | 68.01                   | 142.642           |                    |         |
| 17,000.00                   | 7,070.84            | 7,100.00            | 7,098.14            | 289.90          | 30.35       | -99.03                | 19.24                             | 941.39     | 9,800.57             | 9,732.47              | 68.09                   | 143.927           |                    |         |
| 17,100.00                   | 7,070.84            | 7,100.00            | 7,098.14            | 292.74          | 30.35       | -99.03                | 19.24                             | 941.39     | 9,900.48             | 9,832.29              | 68.18                   | 145.206           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 106.67                | -475.36                           | 1,587.13   | 1,657.46             |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 59.20               | 59.20               | 3.28            | 3.28        | 106.67                | -475.27                           | 1,587.04   | 1,656.69             | 1,650.12              | 6.57                    | 252.266           |                    |         |
| 200.00                      | 200.00              | 155.55              | 155.55              | 3.34            | 3.31        | 106.66                | -474.86                           | 1,586.72   | 1,656.26             | 1,649.61              | 6.65                    | 249.132           |                    |         |
| 220.45                      | 220.45              | 173.45              | 173.45              | 3.35            | 3.32        | 106.66                | -474.80                           | 1,586.73   | 1,656.24             | 1,649.56              | 6.68                    | 248.047           |                    |         |
| 300.00                      | 300.00              | 251.07              | 251.07              | 3.44            | 3.39        | 106.65                | -474.71                           | 1,586.88   | 1,656.36             | 1,649.53              | 6.84                    | 242.305           |                    |         |
| 400.00                      | 399.98              | 353.52              | 353.52              | 3.60            | 3.53        | 34.21                 | -474.77                           | 1,586.89   | 1,654.94             | 1,647.81              | 7.13                    | 232.169           |                    |         |
| 500.00                      | 499.84              | 445.08              | 445.08              | 3.80            | 3.69        | 34.34                 | -474.65                           | 1,586.99   | 1,650.70             | 1,643.21              | 7.49                    | 220.387           |                    |         |
| 600.00                      | 599.45              | 529.05              | 529.04              | 4.04            | 3.87        | 34.53                 | -474.04                           | 1,588.02   | 1,644.46             | 1,636.55              | 7.91                    | 207.943           |                    |         |
| 700.00                      | 698.70              | 614.06              | 614.03              | 4.32            | 4.08        | 34.79                 | -473.50                           | 1,589.84   | 1,636.27             | 1,627.88              | 8.39                    | 195.057           |                    |         |
| 800.00                      | 797.47              | 698.62              | 698.54              | 4.63            | 4.31        | 35.13                 | -473.02                           | 1,592.42   | 1,626.14             | 1,617.22              | 8.92                    | 182.305           |                    |         |
| 900.00                      | 895.62              | 790.24              | 790.09              | 4.97            | 4.58        | 35.58                 | -472.47                           | 1,595.88   | 1,613.88             | 1,604.37              | 9.52                    | 169.578           |                    |         |
| 924.00                      | 919.08              | 813.18              | 813.02              | 5.06            | 4.65        | 35.70                 | -472.33                           | 1,596.80   | 1,610.59             | 1,600.92              | 9.67                    | 166.522           |                    |         |
| 1,000.00                    | 993.28              | 888.28              | 888.06              | 5.34            | 4.89        | 36.00                 | -471.81                           | 1,599.86   | 1,599.94             | 1,589.76              | 10.17                   | 157.258           |                    |         |
| 1,100.00                    | 1,090.92            | 983.84              | 983.53              | 5.73            | 5.21        | 36.37                 | -471.04                           | 1,603.85   | 1,586.05             | 1,575.19              | 10.86                   | 146.102           |                    |         |
| 1,200.00                    | 1,188.56            | 1,070.18            | 1,069.78            | 6.15            | 5.52        | 36.71                 | -470.58                           | 1,607.77   | 1,572.66             | 1,561.12              | 11.54                   | 136.323           |                    |         |
| 1,300.00                    | 1,286.19            | 1,162.97            | 1,162.45            | 6.57            | 5.85        | 37.11                 | -470.88                           | 1,612.41   | 1,560.06             | 1,547.79              | 12.26                   | 127.239           |                    |         |
| 1,400.00                    | 1,383.83            | 1,256.34            | 1,255.70            | 7.01            | 6.20        | 37.51                 | -471.04                           | 1,617.34   | 1,547.74             | 1,534.73              | 13.01                   | 118.983           |                    |         |
| 1,500.00                    | 1,481.47            | 1,347.69            | 1,346.89            | 7.46            | 6.55        | 37.89                 | -470.95                           | 1,622.70   | 1,535.96             | 1,522.19              | 13.77                   | 111.568           |                    |         |
| 1,600.00                    | 1,579.10            | 1,436.04            | 1,435.04            | 7.91            | 6.89        | 38.24                 | -470.40                           | 1,628.52   | 1,524.76             | 1,510.23              | 14.53                   | 104.930           |                    |         |
| 1,700.00                    | 1,676.74            | 1,523.11            | 1,521.86            | 8.37            | 7.25        | 38.58                 | -469.95                           | 1,635.05   | 1,514.50             | 1,499.19              | 15.30                   | 98.958            |                    |         |
| 1,800.00                    | 1,774.38            | 1,619.35            | 1,617.78            | 8.84            | 7.65        | 38.94                 | -468.84                           | 1,642.88   | 1,504.67             | 1,488.55              | 16.12                   | 93.319            |                    |         |
| 1,900.00                    | 1,872.02            | 1,712.47            | 1,710.56            | 9.31            | 8.04        | 39.28                 | -467.92                           | 1,650.73   | 1,495.25             | 1,478.31              | 16.94                   | 88.256            |                    |         |
| 2,000.00                    | 1,969.65            | 1,811.13            | 1,808.88            | 9.79            | 8.45        | 39.69                 | -467.87                           | 1,658.91   | 1,486.09             | 1,468.31              | 17.79                   | 83.551            |                    |         |
| 2,100.00                    | 2,067.29            | 1,916.25            | 1,913.67            | 10.27           | 8.89        | 40.14                 | -468.13                           | 1,667.30   | 1,476.86             | 1,458.20              | 18.66                   | 79.138            |                    |         |
| 2,200.00                    | 2,164.93            | 2,028.34            | 2,025.46            | 10.75           | 9.35        | 40.64                 | -468.30                           | 1,675.36   | 1,466.93             | 1,447.36              | 19.57                   | 74.962            |                    |         |
| 2,300.00                    | 2,262.56            | 2,131.37            | 2,128.25            | 11.24           | 9.78        | 41.10                 | -467.94                           | 1,682.40   | 1,456.57             | 1,436.13              | 20.45                   | 71.233            |                    |         |
| 2,400.00                    | 2,360.20            | 2,234.13            | 2,230.79            | 11.73           | 10.20       | 41.56                 | -467.60                           | 1,689.11   | 1,446.03             | 1,424.70              | 21.33                   | 67.790            |                    |         |
| 2,500.00                    | 2,457.84            | 2,338.84            | 2,335.31            | 12.22           | 10.63       | 42.07                 | -467.67                           | 1,695.41   | 1,435.29             | 1,413.07              | 22.22                   | 64.582            |                    |         |
| 2,600.00                    | 2,555.48            | 2,444.47            | 2,440.79            | 12.71           | 11.06       | 42.61                 | -468.07                           | 1,700.99   | 1,424.11             | 1,400.99              | 23.12                   | 61.587            |                    |         |
| 2,700.00                    | 2,653.11            | 2,542.25            | 2,538.45            | 13.20           | 11.46       | 43.12                 | -468.34                           | 1,705.92   | 1,412.79             | 1,388.80              | 24.00                   | 58.869            |                    |         |
| 2,800.00                    | 2,750.75            | 2,633.03            | 2,629.09            | 13.70           | 11.83       | 43.59                 | -468.60                           | 1,710.84   | 1,401.91             | 1,377.08              | 24.85                   | 56.407            |                    |         |
| 2,900.00                    | 2,848.39            | 2,723.49            | 2,719.39            | 14.19           | 12.21       | 44.07                 | -469.03                           | 1,716.36   | 1,391.87             | 1,366.16              | 25.71                   | 54.135            |                    |         |
| 3,000.00                    | 2,946.02            | 2,820.56            | 2,816.26            | 14.69           | 12.62       | 44.58                 | -469.54                           | 1,722.49   | 1,382.14             | 1,355.54              | 26.60                   | 51.968            |                    |         |
| 3,100.00                    | 3,043.66            | 2,911.96            | 2,907.46            | 15.19           | 13.00       | 45.08                 | -470.23                           | 1,728.57   | 1,372.92             | 1,345.46              | 27.46                   | 49.992            |                    |         |
| 3,200.00                    | 3,141.30            | 3,008.84            | 3,004.10            | 15.69           | 13.41       | 45.61                 | -471.13                           | 1,735.31   | 1,364.18             | 1,335.82              | 28.35                   | 48.114            |                    |         |
| 3,300.00                    | 3,238.94            | 3,114.90            | 3,109.89            | 16.19           | 13.86       | 46.16                 | -471.26                           | 1,742.78   | 1,355.24             | 1,325.96              | 29.28                   | 46.284            |                    |         |
| 3,400.00                    | 3,336.57            | 3,207.64            | 3,202.40            | 16.69           | 14.25       | 46.64                 | -471.22                           | 1,749.44   | 1,346.47             | 1,316.30              | 30.16                   | 44.640            |                    |         |
| 3,500.00                    | 3,434.21            | 3,306.81            | 3,301.31            | 17.19           | 14.68       | 47.19                 | -471.74                           | 1,756.50   | 1,338.02             | 1,306.95              | 31.07                   | 43.065            |                    |         |
| 3,600.00                    | 3,531.85            | 3,413.71            | 3,407.97            | 17.69           | 15.13       | 47.80                 | -472.51                           | 1,763.57   | 1,329.37             | 1,297.37              | 32.01                   | 41.534            |                    |         |
| 3,700.00                    | 3,629.48            | 3,502.84            | 3,496.90            | 18.20           | 15.51       | 48.33                 | -473.48                           | 1,769.44   | 1,321.00             | 1,288.12              | 32.88                   | 40.175            |                    |         |
| 3,800.00                    | 3,727.12            | 3,586.38            | 3,580.21            | 18.70           | 15.86       | 48.85                 | -474.96                           | 1,775.42   | 1,313.62             | 1,279.89              | 33.73                   | 38.941            |                    |         |
| 3,900.00                    | 3,824.76            | 3,668.08            | 3,661.62            | 19.21           | 16.22       | 49.37                 | -477.16                           | 1,781.96   | 1,307.59             | 1,273.01              | 34.58                   | 37.817            |                    |         |
| 4,000.00                    | 3,922.40            | 3,755.23            | 3,748.37            | 19.71           | 16.60       | 49.95                 | -480.54                           | 1,789.53   | 1,302.90             | 1,267.46              | 35.44                   | 36.762            |                    |         |
| 4,100.00                    | 4,020.03            | 3,850.61            | 3,843.28            | 20.21           | 17.01       | 50.63                 | -485.37                           | 1,797.72   | 1,298.97             | 1,262.62              | 36.35                   | 35.739            |                    |         |
| 4,200.00                    | 4,117.67            | 3,953.76            | 3,945.93            | 20.72           | 17.46       | 51.36                 | -490.31                           | 1,806.66   | 1,295.16             | 1,257.87              | 37.29                   | 34.733            |                    |         |
| 4,300.00                    | 4,215.31            | 4,060.21            | 4,051.90            | 21.23           | 17.93       | 52.11                 | -494.89                           | 1,815.56   | 1,291.02             | 1,252.77              | 38.25                   | 33.754            |                    |         |
| 4,400.00                    | 4,312.94            | 4,164.14            | 4,155.42            | 21.73           | 18.38       | 52.84                 | -498.84                           | 1,823.93   | 1,286.53             | 1,247.33              | 39.20                   | 32.822            |                    |         |
| 4,500.00                    | 4,410.58            | 4,267.04            | 4,257.95            | 22.24           | 18.83       | 53.57                 | -502.64                           | 1,831.88   | 1,281.91             | 1,241.77              | 40.14                   | 31.934            |                    |         |
| 4,600.00                    | 4,508.22            | 4,375.21            | 4,365.75            | 22.75           | 19.29       | 54.31                 | -505.82                           | 1,840.18   | 1,277.01             | 1,235.89              | 41.11                   | 31.062            |                    |         |
| 4,700.00                    | 4,605.86            | 4,485.85            | 4,486.10            | 23.25           | 19.81       | 55.19                 | -509.20                           | 1,847.72   | 1,271.11             | 1,228.98              | 42.13                   | 30.173            |                    |         |
| 4,800.00                    | 4,703.49            | 4,618.05            | 4,608.15            | 23.76           | 20.32       | 56.12                 | -511.75                           | 1,853.13   | 1,263.54             | 1,220.41              | 43.13                   | 29.293            |                    |         |
| 4,900.00                    | 4,801.13            | 4,723.29            | 4,713.31            | 24.27           | 20.75       | 56.95                 | -513.50                           | 1,858.72   | 1,255.18             | 1,211.10              | 44.08                   | 28.472            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,000.00                    | 4,898.77            | 4,836.00            | 4,825.99            | 24.77           | 21.22       | 57.86                 | -514.82                           | 1,859.41   | 1,245.94             | 1,200.89              | 45.05                   | 27.655            |                    |         |
| 5,100.00                    | 4,996.40            | 4,940.86            | 4,930.83            | 25.28           | 21.65       | 58.73                 | -515.60                           | 1,861.17   | 1,236.17             | 1,190.17              | 46.00                   | 26.873            |                    |         |
| 5,200.00                    | 5,094.04            | 5,044.29            | 5,034.25            | 25.79           | 22.08       | 59.60                 | -516.04                           | 1,862.54   | 1,226.19             | 1,179.25              | 46.95                   | 26.120            |                    |         |
| 5,300.00                    | 5,191.68            | 5,141.23            | 5,131.18            | 26.30           | 22.48       | 60.44                 | -516.39                           | 1,863.44   | 1,216.14             | 1,168.26              | 47.88                   | 25.401            |                    |         |
| 5,400.00                    | 5,289.32            | 5,229.22            | 5,219.16            | 26.81           | 22.84       | 61.23                 | -517.28                           | 1,864.39   | 1,206.93             | 1,158.13              | 48.79                   | 24.735            |                    |         |
| 5,500.00                    | 5,386.95            | 5,318.19            | 5,308.11            | 27.32           | 23.21       | 62.07                 | -519.21                           | 1,865.49   | 1,198.89             | 1,149.17              | 49.71                   | 24.117            |                    |         |
| 5,600.00                    | 5,484.59            | 5,420.67            | 5,410.55            | 27.83           | 23.63       | 63.05                 | -521.57                           | 1,866.72   | 1,191.25             | 1,140.59              | 50.67                   | 23.511            |                    |         |
| 5,700.00                    | 5,582.23            | 5,524.52            | 5,514.38            | 28.33           | 24.07       | 64.03                 | -523.18                           | 1,868.06   | 1,183.48             | 1,131.85              | 51.63                   | 22.924            |                    |         |
| 5,800.00                    | 5,679.87            | 5,625.38            | 5,615.23            | 28.84           | 24.48       | 64.99                 | -524.26                           | 1,869.23   | 1,175.59             | 1,123.02              | 52.58                   | 22.359            |                    |         |
| 5,900.00                    | 5,777.50            | 5,721.59            | 5,711.43            | 29.35           | 24.89       | 65.88                 | -524.96                           | 1,870.72   | 1,168.04             | 1,114.52              | 53.52                   | 21.825            |                    |         |
| 6,000.00                    | 5,875.14            | 5,820.24            | 5,810.06            | 29.86           | 25.30       | 66.80                 | -525.53                           | 1,872.48   | 1,160.84             | 1,106.37              | 54.47                   | 21.313            |                    |         |
| 6,100.00                    | 5,972.78            | 5,922.74            | 5,912.54            | 30.37           | 25.72       | 67.78                 | -526.15                           | 1,873.97   | 1,153.75             | 1,098.32              | 55.42                   | 20.816            |                    |         |
| 6,200.00                    | 6,070.41            | 6,027.77            | 6,017.57            | 30.88           | 26.16       | 68.82                 | -526.54                           | 1,874.72   | 1,146.34             | 1,089.95              | 56.39                   | 20.329            |                    |         |
| 6,300.00                    | 6,168.05            | 6,126.18            | 6,115.97            | 31.39           | 26.57       | 69.79                 | -526.62                           | 1,875.41   | 1,139.06             | 1,081.72              | 57.34                   | 19.865            |                    |         |
| 6,400.00                    | 6,265.69            | 6,228.08            | 6,217.87            | 31.90           | 27.00       | 70.84                 | -526.83                           | 1,875.65   | 1,131.93             | 1,073.63              | 58.30                   | 19.416            |                    |         |
| 6,439.09                    | 6,303.85            | 6,269.43            | 6,259.22            | 32.10           | 27.17       | 71.28                 | -526.93                           | 1,875.46   | 1,129.10             | 1,070.42              | 58.68                   | 19.243            |                    |         |
| 6,450.00                    | 6,314.53            | 6,280.98            | 6,270.78            | 32.16           | 27.22       | 72.82                 | -526.96                           | 1,875.37   | 1,128.36             | 1,069.58              | 58.78                   | 19.196            |                    |         |
| 6,500.00                    | 6,363.83            | 6,331.81            | 6,321.60            | 32.39           | 27.43       | 84.53                 | -527.09                           | 1,874.86   | 1,126.35             | 1,067.10              | 59.24                   | 19.013            |                    |         |
| 6,517.84                    | 6,381.55            | 6,349.57            | 6,339.36            | 32.47           | 27.50       | 92.29                 | -527.15                           | 1,874.65   | 1,126.20             | 1,066.80              | 59.40                   | 18.961 CC, ES     |                    |         |
| 6,550.00                    | 6,413.58            | 6,381.70            | 6,371.48            | 32.60           | 27.64       | 117.41                | -527.26                           | 1,874.26   | 1,126.68             | 1,067.01              | 59.67                   | 18.882            |                    |         |
| 6,600.00                    | 6,463.45            | 6,431.72            | 6,421.50            | 32.79           | 27.85       | 178.56                | -527.49                           | 1,873.56   | 1,129.32             | 1,069.25              | 60.07                   | 18.799            |                    |         |
| 6,650.00                    | 6,513.15            | 6,481.59            | 6,471.37            | 32.97           | 28.05       | -153.61               | -527.79                           | 1,872.76   | 1,134.24             | 1,073.78              | 60.45                   | 18.762 SF         |                    |         |
| 6,700.00                    | 6,562.37            | 6,531.23            | 6,520.99            | 33.15           | 28.26       | -143.26               | -528.15                           | 1,871.87   | 1,141.41             | 1,080.58              | 60.82                   | 18.766            |                    |         |
| 6,750.00                    | 6,610.80            | 6,580.24            | 6,570.00            | 33.34           | 28.47       | -138.08               | -528.49                           | 1,870.97   | 1,150.80             | 1,089.62              | 61.18                   | 18.809            |                    |         |
| 6,800.00                    | 6,658.14            | 6,629.04            | 6,618.79            | 33.53           | 28.67       | -134.91               | -528.83                           | 1,870.03   | 1,162.41             | 1,100.87              | 61.54                   | 18.890            |                    |         |
| 6,850.00                    | 6,704.11            | 6,677.15            | 6,666.88            | 33.74           | 28.87       | -132.69               | -529.20                           | 1,868.95   | 1,176.20             | 1,114.32              | 61.88                   | 19.007            |                    |         |
| 6,900.00                    | 6,748.42            | 6,724.07            | 6,713.79            | 33.97           | 29.07       | -130.95               | -529.61                           | 1,867.71   | 1,192.17             | 1,129.95              | 62.22                   | 19.161            |                    |         |
| 6,950.00                    | 6,790.79            | 6,769.57            | 6,759.26            | 34.21           | 29.26       | -129.46               | -530.06                           | 1,866.30   | 1,210.30             | 1,147.75              | 62.55                   | 19.351            |                    |         |
| 7,000.00                    | 6,830.97            | 6,813.12            | 6,802.78            | 34.48           | 29.44       | -128.05               | -530.54                           | 1,864.75   | 1,230.60             | 1,167.74              | 62.86                   | 19.576            |                    |         |
| 7,050.00                    | 6,868.71            | 6,852.47            | 6,842.10            | 34.77           | 29.61       | -126.60               | -530.95                           | 1,863.33   | 1,253.09             | 1,189.93              | 63.16                   | 19.839            |                    |         |
| 7,100.00                    | 6,903.77            | 6,889.62            | 6,879.23            | 35.09           | 29.77       | -125.05               | -531.29                           | 1,862.00   | 1,277.76             | 1,214.31              | 63.45                   | 20.137            |                    |         |
| 7,150.00                    | 6,935.93            | 6,924.86            | 6,914.44            | 35.44           | 29.92       | -123.35               | -531.59                           | 1,860.71   | 1,304.56             | 1,240.83              | 63.73                   | 20.470            |                    |         |
| 7,200.00                    | 6,965.01            | 6,957.53            | 6,947.09            | 35.83           | 30.05       | -121.42               | -531.89                           | 1,859.42   | 1,333.39             | 1,269.40              | 63.99                   | 20.836            |                    |         |
| 7,250.00                    | 6,990.82            | 6,987.04            | 6,976.57            | 36.26           | 30.18       | -119.18               | -532.17                           | 1,858.17   | 1,364.18             | 1,299.94              | 64.24                   | 21.235            |                    |         |
| 7,300.00                    | 7,013.20            | 7,013.92            | 7,003.42            | 36.72           | 30.29       | -116.59               | -532.44                           | 1,856.98   | 1,396.80             | 1,332.32              | 64.47                   | 21.665            |                    |         |
| 7,350.00                    | 7,032.02            | 7,037.74            | 7,027.21            | 37.23           | 30.39       | -113.58               | -532.65                           | 1,855.87   | 1,431.10             | 1,366.41              | 64.69                   | 22.123            |                    |         |
| 7,400.00                    | 7,047.15            | 7,057.60            | 7,047.04            | 37.77           | 30.48       | -110.05               | -532.80                           | 1,854.93   | 1,466.93             | 1,402.05              | 64.88                   | 22.609            |                    |         |
| 7,450.00                    | 7,058.51            | 7,073.32            | 7,062.75            | 38.34           | 30.54       | -105.96               | -532.90                           | 1,854.16   | 1,504.10             | 1,439.05              | 65.05                   | 23.121            |                    |         |
| 7,500.00                    | 7,066.02            | 7,084.78            | 7,074.20            | 38.95           | 30.59       | -101.26               | -532.97                           | 1,853.59   | 1,542.42             | 1,477.22              | 65.20                   | 23.655            |                    |         |
| 7,550.00                    | 7,069.64            | 7,091.86            | 7,081.26            | 39.58           | 30.62       | -95.97                | -533.00                           | 1,853.23   | 1,581.65             | 1,516.32              | 65.33                   | 24.210            |                    |         |
| 7,571.20                    | 7,070.00            | 7,093.51            | 7,082.91            | 39.85           | 30.63       | -93.57                | -533.01                           | 1,853.15   | 1,598.50             | 1,533.12              | 65.38                   | 24.450            |                    |         |
| 7,600.00                    | 7,070.00            | 7,095.21            | 7,084.61            | 40.23           | 30.64       | -93.67                | -533.02                           | 1,853.06   | 1,621.56             | 1,556.12              | 65.44                   | 24.779            |                    |         |
| 7,700.00                    | 7,070.01            | 7,101.16            | 7,090.56            | 41.64           | 30.66       | -94.02                | -533.05                           | 1,852.76   | 1,702.96             | 1,637.30              | 65.66                   | 25.935            |                    |         |
| 7,800.00                    | 7,070.02            | 7,107.21            | 7,096.60            | 43.20           | 30.69       | -94.38                | -533.07                           | 1,852.45   | 1,786.23             | 1,720.35              | 65.89                   | 27.110            |                    |         |
| 7,900.00                    | 7,070.03            | 7,113.35            | 7,102.73            | 44.89           | 30.71       | -94.74                | -533.10                           | 1,852.13   | 1,871.13             | 1,805.01              | 66.12                   | 28.301            |                    |         |
| 8,000.00                    | 7,070.04            | 7,119.59            | 7,108.96            | 46.69           | 30.74       | -95.11                | -533.12                           | 1,851.80   | 1,957.44             | 1,891.10              | 66.34                   | 29.506            |                    |         |
| 8,100.00                    | 7,070.05            | 7,121.45            | 7,110.82            | 48.60           | 30.75       | -95.22                | -533.14                           | 1,851.72   | 2,045.00             | 1,978.44              | 66.56                   | 30.726            |                    |         |
| 8,200.00                    | 7,070.05            | 7,126.57            | 7,115.93            | 50.59           | 30.77       | -95.52                | -533.17                           | 1,851.46   | 2,133.63             | 2,066.86              | 66.77                   | 31.956            |                    |         |
| 8,300.00                    | 7,070.06            | 7,131.69            | 7,121.04            | 52.66           | 30.79       | -95.82                | -533.19                           | 1,851.20   | 2,223.21             | 2,156.24              | 66.97                   | 33.197            |                    |         |
| 8,400.00                    | 7,070.07            | 7,136.81            | 7,126.15            | 54.81           | 30.81       | -96.12                | -533.21                           | 1,850.94   | 2,313.64             | 2,246.47              | 67.17                   | 34.447            |                    |         |
| 8,500.00                    | 7,070.08            | 7,141.93            | 7,131.27            | 57.02           | 30.84       | -96.42                | -533.24                           | 1,850.68   | 2,404.81             | 2,337.46              | 67.35                   | 35.704            |                    |         |
| 8,600.00                    | 7,070.09            | 7,147.05            | 7,136.38            | 59.28           | 30.86       | -96.72                | -533.26                           | 1,850.41   | 2,496.65             | 2,429.12              | 67.53                   | 36.969            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,700.00                    | 7,070.10            | 7,152.16            | 7,141.49            | 61.60           | 30.88       | -97.02                | -533.28                           | 1,850.15   | 2,589.08             | 2,521.38              | 67.71                   | 38.240            |                    |         |
| 8,800.00                    | 7,070.11            | 7,157.28            | 7,146.60            | 63.95           | 30.90       | -97.32                | -533.31                           | 1,849.89   | 2,682.05             | 2,614.18              | 67.87                   | 39.516            |                    |         |
| 8,900.00                    | 7,070.12            | 7,162.40            | 7,151.72            | 66.35           | 30.92       | -97.62                | -533.33                           | 1,849.63   | 2,775.50             | 2,707.47              | 68.03                   | 40.797            |                    |         |
| 9,000.00                    | 7,070.13            | 7,167.52            | 7,156.83            | 68.79           | 30.95       | -97.92                | -533.35                           | 1,849.37   | 2,869.38             | 2,801.19              | 68.18                   | 42.083            |                    |         |
| 9,100.00                    | 7,070.13            | 7,172.64            | 7,161.94            | 71.25           | 30.97       | -98.21                | -533.38                           | 1,849.11   | 2,963.65             | 2,895.32              | 68.33                   | 43.372            |                    |         |
| 9,200.00                    | 7,070.14            | 7,177.76            | 7,167.05            | 73.74           | 30.99       | -98.51                | -533.40                           | 1,848.85   | 3,058.27             | 2,989.80              | 68.47                   | 44.664            |                    |         |
| 9,300.00                    | 7,070.15            | 7,182.88            | 7,172.16            | 76.26           | 31.01       | -98.81                | -533.43                           | 1,848.58   | 3,153.22             | 3,084.61              | 68.61                   | 45.959            |                    |         |
| 9,400.00                    | 7,070.16            | 7,188.00            | 7,177.28            | 78.80           | 31.03       | -99.11                | -533.45                           | 1,848.32   | 3,248.47             | 3,179.73              | 68.74                   | 47.257            |                    |         |
| 9,500.00                    | 7,070.17            | 7,193.12            | 7,182.39            | 81.37           | 31.06       | -99.40                | -533.47                           | 1,848.06   | 3,343.98             | 3,275.11              | 68.87                   | 48.557            |                    |         |
| 9,600.00                    | 7,070.18            | 7,198.24            | 7,187.50            | 83.95           | 31.08       | -99.70                | -533.50                           | 1,847.80   | 3,439.74             | 3,370.75              | 68.99                   | 49.858            |                    |         |
| 9,700.00                    | 7,070.19            | 7,203.35            | 7,192.61            | 86.55           | 31.10       | -99.99                | -533.52                           | 1,847.54   | 3,535.73             | 3,466.62              | 69.11                   | 51.160            |                    |         |
| 9,800.00                    | 7,070.20            | 7,208.47            | 7,197.73            | 89.17           | 31.12       | -100.29               | -533.54                           | 1,847.28   | 3,631.93             | 3,562.70              | 69.23                   | 52.464            |                    |         |
| 9,900.00                    | 7,070.21            | 7,213.59            | 7,202.84            | 91.80           | 31.14       | -100.58               | -533.57                           | 1,847.01   | 3,728.32             | 3,658.98              | 69.34                   | 53.769            |                    |         |
| 10,000.00                   | 7,070.21            | 7,218.71            | 7,207.95            | 94.44           | 31.17       | -100.87               | -533.59                           | 1,846.75   | 3,824.89             | 3,755.44              | 69.45                   | 55.074            |                    |         |
| 10,100.00                   | 7,070.22            | 7,223.83            | 7,213.06            | 97.10           | 31.19       | -101.17               | -533.61                           | 1,846.49   | 3,921.63             | 3,852.07              | 69.56                   | 56.379            |                    |         |
| 10,200.00                   | 7,070.23            | 7,228.95            | 7,218.18            | 99.77           | 31.21       | -101.46               | -533.64                           | 1,846.23   | 4,018.51             | 3,948.85              | 69.66                   | 57.685            |                    |         |
| 10,300.00                   | 7,070.24            | 7,234.07            | 7,223.29            | 102.44          | 31.23       | -101.75               | -533.66                           | 1,845.97   | 4,115.54             | 4,045.78              | 69.77                   | 58.990            |                    |         |
| 10,400.00                   | 7,070.25            | 7,239.19            | 7,228.40            | 105.13          | 31.25       | -102.04               | -533.68                           | 1,845.71   | 4,212.71             | 4,142.84              | 69.87                   | 60.296            |                    |         |
| 10,500.00                   | 7,070.26            | 7,244.31            | 7,233.51            | 107.83          | 31.28       | -102.33               | -533.71                           | 1,845.44   | 4,310.00             | 4,240.03              | 69.97                   | 61.601            |                    |         |
| 10,600.00                   | 7,070.27            | 7,249.43            | 7,238.62            | 110.53          | 31.30       | -102.62               | -533.73                           | 1,845.18   | 4,407.40             | 4,337.33              | 70.06                   | 62.905            |                    |         |
| 10,700.00                   | 7,070.28            | 7,254.54            | 7,243.74            | 113.24          | 31.32       | -102.91               | -533.76                           | 1,844.92   | 4,504.91             | 4,434.75              | 70.16                   | 64.209            |                    |         |
| 10,800.00                   | 7,070.28            | 7,259.66            | 7,248.85            | 115.96          | 31.34       | -103.20               | -533.78                           | 1,844.66   | 4,602.52             | 4,532.27              | 70.26                   | 65.512            |                    |         |
| 10,900.00                   | 7,070.29            | 7,264.78            | 7,253.96            | 118.69          | 31.36       | -103.48               | -533.80                           | 1,844.40   | 4,700.23             | 4,629.88              | 70.35                   | 66.813            |                    |         |
| 11,000.00                   | 7,070.30            | 7,269.90            | 7,259.07            | 121.42          | 31.39       | -103.77               | -533.83                           | 1,844.14   | 4,798.02             | 4,727.58              | 70.44                   | 68.114            |                    |         |
| 11,100.00                   | 7,070.31            | 7,275.02            | 7,264.19            | 124.16          | 31.41       | -104.06               | -533.85                           | 1,843.87   | 4,895.90             | 4,825.37              | 70.53                   | 69.414            |                    |         |
| 11,200.00                   | 7,070.32            | 7,280.14            | 7,269.30            | 126.90          | 31.43       | -104.34               | -533.87                           | 1,843.61   | 4,993.86             | 4,923.24              | 70.62                   | 70.712            |                    |         |
| 11,300.00                   | 7,070.33            | 7,285.26            | 7,274.41            | 129.65          | 31.45       | -104.63               | -533.90                           | 1,843.35   | 5,091.89             | 5,021.18              | 70.71                   | 72.009            |                    |         |
| 11,400.00                   | 7,070.34            | 7,290.38            | 7,279.52            | 132.40          | 31.47       | -104.91               | -533.92                           | 1,843.09   | 5,189.99             | 5,119.19              | 70.80                   | 73.304            |                    |         |
| 11,500.00                   | 7,070.35            | 7,295.50            | 7,284.63            | 135.16          | 31.50       | -105.19               | -533.94                           | 1,842.83   | 5,288.16             | 5,217.27              | 70.89                   | 74.598            |                    |         |
| 11,600.00                   | 7,070.36            | 7,300.62            | 7,289.75            | 137.92          | 31.52       | -105.48               | -533.97                           | 1,842.57   | 5,386.39             | 5,315.42              | 70.98                   | 75.890            |                    |         |
| 11,700.00                   | 7,070.36            | 7,305.73            | 7,294.86            | 140.69          | 31.54       | -105.76               | -533.99                           | 1,842.31   | 5,484.68             | 5,413.62              | 71.06                   | 77.180            |                    |         |
| 11,800.00                   | 7,070.37            | 7,310.85            | 7,299.97            | 143.46          | 31.56       | -106.04               | -534.02                           | 1,842.04   | 5,583.03             | 5,511.88              | 71.15                   | 78.468            |                    |         |
| 11,900.00                   | 7,070.38            | 7,315.97            | 7,305.08            | 146.23          | 31.58       | -106.32               | -534.04                           | 1,841.78   | 5,681.43             | 5,610.19              | 71.24                   | 79.754            |                    |         |
| 12,000.00                   | 7,070.39            | 7,321.09            | 7,310.20            | 149.01          | 31.61       | -106.60               | -534.06                           | 1,841.52   | 5,779.88             | 5,708.56              | 71.32                   | 81.039            |                    |         |
| 12,100.00                   | 7,070.40            | 7,326.21            | 7,315.31            | 151.79          | 31.63       | -106.88               | -534.09                           | 1,841.26   | 5,878.38             | 5,806.97              | 71.41                   | 82.321            |                    |         |
| 12,200.00                   | 7,070.41            | 7,331.33            | 7,320.42            | 154.57          | 31.65       | -107.15               | -534.11                           | 1,841.00   | 5,976.92             | 5,905.43              | 71.49                   | 83.600            |                    |         |
| 12,300.00                   | 7,070.42            | 7,336.45            | 7,325.53            | 157.35          | 31.67       | -107.43               | -534.13                           | 1,840.74   | 6,075.51             | 6,003.93              | 71.58                   | 84.878            |                    |         |
| 12,400.00                   | 7,070.43            | 7,341.57            | 7,330.65            | 160.14          | 31.70       | -107.71               | -534.16                           | 1,840.47   | 6,174.13             | 6,102.47              | 71.66                   | 86.153            |                    |         |
| 12,500.00                   | 7,070.44            | 7,346.69            | 7,335.76            | 162.93          | 31.72       | -107.98               | -534.18                           | 1,840.21   | 6,272.80             | 6,201.05              | 71.75                   | 87.426            |                    |         |
| 12,600.00                   | 7,070.44            | 7,351.81            | 7,340.87            | 165.72          | 31.74       | -108.25               | -534.20                           | 1,839.95   | 6,371.51             | 6,299.67              | 71.84                   | 88.696            |                    |         |
| 12,700.00                   | 7,070.45            | 7,356.93            | 7,345.98            | 168.52          | 31.76       | -108.53               | -534.23                           | 1,839.69   | 6,470.25             | 6,398.33              | 71.92                   | 89.964            |                    |         |
| 12,800.00                   | 7,070.46            | 7,362.04            | 7,351.09            | 171.32          | 31.78       | -108.80               | -534.25                           | 1,839.43   | 6,569.02             | 6,497.01              | 72.01                   | 91.229            |                    |         |
| 12,900.00                   | 7,070.47            | 7,367.16            | 7,356.21            | 174.11          | 31.81       | -109.07               | -534.27                           | 1,839.17   | 6,667.83             | 6,595.74              | 72.09                   | 92.492            |                    |         |
| 13,000.00                   | 7,070.48            | 7,372.28            | 7,361.32            | 176.92          | 31.83       | -109.34               | -534.30                           | 1,838.90   | 6,766.67             | 6,694.49              | 72.18                   | 93.751            |                    |         |
| 13,100.00                   | 7,070.49            | 7,377.40            | 7,366.43            | 179.72          | 31.85       | -109.61               | -534.32                           | 1,838.64   | 6,865.53             | 6,793.27              | 72.26                   | 95.008            |                    |         |
| 13,200.00                   | 7,070.50            | 7,382.52            | 7,371.54            | 182.52          | 31.87       | -109.88               | -534.35                           | 1,838.38   | 6,964.43             | 6,892.08              | 72.35                   | 96.263            |                    |         |
| 13,300.00                   | 7,070.51            | 7,387.64            | 7,376.66            | 185.33          | 31.89       | -110.15               | -534.37                           | 1,838.12   | 7,063.35             | 6,990.92              | 72.43                   | 97.514            |                    |         |
| 13,400.00                   | 7,070.52            | 7,392.76            | 7,381.77            | 188.14          | 31.92       | -110.41               | -534.39                           | 1,837.86   | 7,162.30             | 7,089.78              | 72.52                   | 98.762            |                    |         |
| 13,500.00                   | 7,070.52            | 7,397.88            | 7,386.88            | 190.95          | 31.94       | -110.68               | -534.42                           | 1,837.60   | 7,261.28             | 7,188.67              | 72.61                   | 100.008           |                    |         |
| 13,600.00                   | 7,070.53            | 7,403.00            | 7,391.99            | 193.76          | 31.96       | -110.94               | -534.44                           | 1,837.34   | 7,360.28             | 7,287.58              | 72.69                   | 101.250           |                    |         |
| 13,700.00                   | 7,070.54            | 7,408.12            | 7,397.10            | 196.57          | 31.98       | -111.21               | -534.46                           | 1,837.07   | 7,459.30             | 7,386.52              | 72.78                   | 102.490           |                    |         |
| 13,800.00                   | 7,070.55            | 7,413.24            | 7,402.21            | 199.38          | 31.99       | -111.48               | -534.48                           | 1,836.81   | 7,558.41             | 7,485.61              | 72.86                   | 103.730           |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 13,900.00                   | 7,070.56            | 7,383.00            | 7,372.02            | 202.20          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 7,657.49             | 7,584.62              | 72.87                   | 105.079           |                    |         |
| 14,000.00                   | 7,070.57            | 7,383.00            | 7,372.02            | 205.01          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 7,756.60             | 7,683.65              | 72.95                   | 106.329           |                    |         |
| 14,100.00                   | 7,070.58            | 7,383.00            | 7,372.02            | 207.83          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 7,855.74             | 7,782.71              | 73.02                   | 107.577           |                    |         |
| 14,200.00                   | 7,070.59            | 7,383.00            | 7,372.02            | 210.65          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 7,954.89             | 7,881.79              | 73.10                   | 108.821           |                    |         |
| 14,300.00                   | 7,070.60            | 7,383.00            | 7,372.02            | 213.47          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,054.07             | 7,980.89              | 73.18                   | 110.064           |                    |         |
| 14,400.00                   | 7,070.60            | 7,383.00            | 7,372.02            | 216.29          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,153.26             | 8,080.01              | 73.25                   | 111.303           |                    |         |
| 14,500.00                   | 7,070.61            | 7,383.00            | 7,372.02            | 219.11          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,252.48             | 8,179.15              | 73.33                   | 112.540           |                    |         |
| 14,600.00                   | 7,070.62            | 7,383.00            | 7,372.02            | 221.94          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,351.71             | 8,278.31              | 73.41                   | 113.774           |                    |         |
| 14,700.00                   | 7,070.63            | 7,383.00            | 7,372.02            | 224.76          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,450.97             | 8,377.48              | 73.48                   | 115.005           |                    |         |
| 14,800.00                   | 7,070.64            | 7,383.00            | 7,372.02            | 227.58          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,550.24             | 8,476.67              | 73.56                   | 116.233           |                    |         |
| 14,900.00                   | 7,070.65            | 7,383.00            | 7,372.02            | 230.41          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,649.52             | 8,575.88              | 73.64                   | 117.459           |                    |         |
| 15,000.00                   | 7,070.66            | 7,383.00            | 7,372.02            | 233.24          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,748.82             | 8,675.11              | 73.72                   | 118.682           |                    |         |
| 15,100.00                   | 7,070.67            | 7,383.00            | 7,372.02            | 236.06          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,848.14             | 8,774.35              | 73.80                   | 119.901           |                    |         |
| 15,200.00                   | 7,070.68            | 7,383.00            | 7,372.02            | 238.89          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 8,947.48             | 8,873.60              | 73.87                   | 121.118           |                    |         |
| 15,300.00                   | 7,070.68            | 7,383.00            | 7,372.02            | 241.72          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,046.82             | 8,972.87              | 73.95                   | 122.332           |                    |         |
| 15,400.00                   | 7,070.69            | 7,383.00            | 7,372.02            | 244.55          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,146.19             | 9,072.15              | 74.03                   | 123.542           |                    |         |
| 15,500.00                   | 7,070.70            | 7,383.00            | 7,372.02            | 247.38          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,245.56             | 9,171.45              | 74.11                   | 124.750           |                    |         |
| 15,600.00                   | 7,070.71            | 7,383.00            | 7,372.02            | 250.21          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,344.95             | 9,270.76              | 74.19                   | 125.954           |                    |         |
| 15,700.00                   | 7,070.72            | 7,383.00            | 7,372.02            | 253.04          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,444.36             | 9,370.08              | 74.27                   | 127.156           |                    |         |
| 15,800.00                   | 7,070.73            | 7,383.00            | 7,372.02            | 255.87          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,543.77             | 9,469.42              | 74.36                   | 128.354           |                    |         |
| 15,900.00                   | 7,070.74            | 7,383.00            | 7,372.02            | 258.71          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,643.20             | 9,568.76              | 74.44                   | 129.549           |                    |         |
| 16,000.00                   | 7,070.75            | 7,383.00            | 7,372.02            | 261.54          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,742.64             | 9,668.12              | 74.52                   | 130.741           |                    |         |
| 16,100.00                   | 7,070.76            | 7,383.00            | 7,372.02            | 264.37          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,842.09             | 9,767.49              | 74.60                   | 131.930           |                    |         |
| 16,200.00                   | 7,070.76            | 7,383.00            | 7,372.02            | 267.21          | 31.87       | -109.90               | -534.35                           | 1,838.36   | 9,941.55             | 9,866.86              | 74.68                   | 133.115           |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | -163.23               | -3,427.00                         | -1,032.44  | 3,579.23             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 75.00               | 75.00               | 3.28            | 3.53        | -163.23               | -3,427.00                         | -1,032.44  | 3,579.15             | 3,572.33              | 6.82                    | 525.085           |                    |         |
| 200.00                                  | 200.00              | 175.00              | 175.00              | 3.34            | 5.46        | -163.23               | -3,427.00                         | -1,032.44  | 3,579.15             | 3,570.35              | 8.80                    | 406.904           |                    |         |
| 300.00                                  | 300.00              | 275.00              | 275.00              | 3.44            | 8.51        | -163.23               | -3,427.00                         | -1,032.44  | 3,579.15             | 3,567.19              | 11.96                   | 299.335 CC        |                    |         |
| 400.00                                  | 399.98              | 374.98              | 374.98              | 3.60            | 11.81       | 124.27                | -3,427.00                         | -1,032.44  | 3,580.13             | 3,564.72              | 15.41                   | 232.314           |                    |         |
| 500.00                                  | 499.84              | 474.84              | 474.84              | 3.80            | 15.19       | 124.29                | -3,427.00                         | -1,032.44  | 3,583.08             | 3,564.09              | 18.99                   | 188.678           |                    |         |
| 600.00                                  | 599.45              | 574.45              | 574.45              | 4.04            | 18.60       | 124.33                | -3,427.00                         | -1,032.44  | 3,588.00             | 3,565.36              | 22.64                   | 158.465           |                    |         |
| 700.00                                  | 698.70              | 673.70              | 673.70              | 4.32            | 22.02       | 124.37                | -3,427.00                         | -1,032.44  | 3,594.92             | 3,568.58              | 26.34                   | 136.488           |                    |         |
| 800.00                                  | 797.47              | 772.47              | 772.47              | 4.63            | 25.43       | 124.43                | -3,427.00                         | -1,032.44  | 3,603.83             | 3,573.77              | 30.06                   | 119.873           |                    |         |
| 900.00                                  | 895.62              | 870.62              | 870.62              | 4.97            | 28.84       | 124.49                | -3,427.00                         | -1,032.44  | 3,614.76             | 3,580.96              | 33.81                   | 106.925           |                    |         |
| 924.00                                  | 919.08              | 905.92              | 894.08              | 5.06            | 30.06       | 124.51                | -3,427.00                         | -1,032.44  | 3,617.69             | 3,582.57              | 35.12                   | 103.014           |                    |         |
| 1,000.00                                | 993.28              | 968.28              | 968.28              | 5.34            | 32.22       | 124.72                | -3,427.00                         | -1,032.44  | 3,627.17             | 3,589.61              | 37.56                   | 96.562            |                    |         |
| 1,100.00                                | 1,090.92            | 1,065.92            | 1,065.92            | 5.73            | 35.62       | 125.00                | -3,427.00                         | -1,032.44  | 3,639.72             | 3,598.38              | 41.34                   | 88.041            |                    |         |
| 1,200.00                                | 1,188.56            | 1,163.56            | 1,163.56            | 6.15            | 39.01       | 125.27                | -3,427.00                         | -1,032.44  | 3,652.35             | 3,607.22              | 45.14                   | 80.914            |                    |         |
| 1,300.00                                | 1,286.19            | 1,261.19            | 1,261.19            | 6.57            | 42.41       | 125.54                | -3,427.00                         | -1,032.44  | 3,665.07             | 3,616.12              | 48.95                   | 74.871            |                    |         |
| 1,400.00                                | 1,383.83            | 1,358.83            | 1,358.83            | 7.01            | 45.81       | 125.81                | -3,427.00                         | -1,032.44  | 3,677.87             | 3,625.10              | 52.78                   | 69.686            |                    |         |
| 1,500.00                                | 1,481.47            | 1,456.47            | 1,456.47            | 7.46            | 49.21       | 126.08                | -3,427.00                         | -1,032.44  | 3,690.76             | 3,634.14              | 56.61                   | 65.192            |                    |         |
| 1,600.00                                | 1,579.10            | 1,554.10            | 1,554.10            | 7.91            | 52.61       | 126.34                | -3,427.00                         | -1,032.44  | 3,703.72             | 3,643.26              | 60.46                   | 61.261            |                    |         |
| 1,700.00                                | 1,676.74            | 1,651.74            | 1,651.74            | 8.37            | 56.01       | 126.61                | -3,427.00                         | -1,032.44  | 3,716.77             | 3,652.46              | 64.31                   | 57.795            |                    |         |
| 1,800.00                                | 1,774.38            | 1,749.38            | 1,749.38            | 8.84            | 59.42       | 126.87                | -3,427.00                         | -1,032.44  | 3,729.89             | 3,661.73              | 68.17                   | 54.717            |                    |         |
| 1,900.00                                | 1,872.02            | 1,847.02            | 1,847.02            | 9.31            | 62.82       | 127.13                | -3,427.00                         | -1,032.44  | 3,743.10             | 3,671.07              | 72.03                   | 51.966            |                    |         |
| 2,000.00                                | 1,969.65            | 1,944.65            | 1,944.65            | 9.79            | 66.22       | 127.39                | -3,427.00                         | -1,032.44  | 3,756.38             | 3,680.48              | 75.90                   | 49.494            |                    |         |
| 2,100.00                                | 2,067.29            | 2,042.29            | 2,042.29            | 10.27           | 69.63       | 127.65                | -3,427.00                         | -1,032.44  | 3,769.74             | 3,689.97              | 79.77                   | 47.260            |                    |         |
| 2,200.00                                | 2,164.93            | 2,139.93            | 2,139.93            | 10.75           | 73.03       | 127.90                | -3,427.00                         | -1,032.44  | 3,783.17             | 3,699.53              | 83.64                   | 45.232            |                    |         |
| 2,300.00                                | 2,262.56            | 2,237.56            | 2,237.56            | 11.24           | 76.44       | 128.16                | -3,427.00                         | -1,032.44  | 3,796.68             | 3,709.17              | 87.51                   | 43.383            |                    |         |
| 2,400.00                                | 2,360.20            | 2,335.20            | 2,335.20            | 11.73           | 79.84       | 128.41                | -3,427.00                         | -1,032.44  | 3,810.27             | 3,718.87              | 91.39                   | 41.691            |                    |         |
| 2,500.00                                | 2,457.84            | 2,432.84            | 2,432.84            | 12.22           | 83.25       | 128.66                | -3,427.00                         | -1,032.44  | 3,823.92             | 3,728.65              | 95.27                   | 40.137            |                    |         |
| 2,600.00                                | 2,555.48            | 2,530.48            | 2,530.48            | 12.71           | 86.66       | 128.91                | -3,427.00                         | -1,032.44  | 3,837.66             | 3,738.50              | 99.15                   | 38.704            |                    |         |
| 2,700.00                                | 2,653.11            | 2,628.11            | 2,628.11            | 13.20           | 90.06       | 129.15                | -3,427.00                         | -1,032.44  | 3,851.46             | 3,748.42              | 103.04                  | 37.379            |                    |         |
| 2,800.00                                | 2,750.75            | 2,725.75            | 2,725.75            | 13.70           | 93.47       | 129.40                | -3,427.00                         | -1,032.44  | 3,865.34             | 3,758.41              | 106.92                  | 36.151            |                    |         |
| 2,900.00                                | 2,848.39            | 2,823.39            | 2,823.39            | 14.19           | 96.87       | 129.64                | -3,427.00                         | -1,032.44  | 3,879.28             | 3,768.48              | 110.81                  | 35.010            |                    |         |
| 3,000.00                                | 2,946.02            | 2,921.02            | 2,921.02            | 14.69           | 100.28      | 129.88                | -3,427.00                         | -1,032.44  | 3,893.30             | 3,778.61              | 114.69                  | 33.946            |                    |         |
| 3,100.00                                | 3,043.66            | 3,018.66            | 3,018.66            | 15.19           | 103.69      | 130.12                | -3,427.00                         | -1,032.44  | 3,907.38             | 3,788.80              | 118.58                  | 32.952            |                    |         |
| 3,200.00                                | 3,141.30            | 3,116.30            | 3,116.30            | 15.69           | 107.09      | 130.36                | -3,427.00                         | -1,032.44  | 3,921.54             | 3,799.07              | 122.47                  | 32.021            |                    |         |
| 3,300.00                                | 3,238.94            | 3,213.94            | 3,213.94            | 16.19           | 110.50      | 130.60                | -3,427.00                         | -1,032.44  | 3,935.76             | 3,809.40              | 126.36                  | 31.148            |                    |         |
| 3,400.00                                | 3,336.57            | 3,311.57            | 3,311.57            | 16.69           | 113.91      | 130.83                | -3,427.00                         | -1,032.44  | 3,950.05             | 3,819.81              | 130.24                  | 30.328            |                    |         |
| 3,500.00                                | 3,434.21            | 3,409.21            | 3,409.21            | 17.19           | 117.32      | 131.06                | -3,427.00                         | -1,032.44  | 3,964.40             | 3,830.27              | 134.13                  | 29.556            |                    |         |
| 3,600.00                                | 3,531.85            | 3,506.85            | 3,506.85            | 17.69           | 120.72      | 131.30                | -3,427.00                         | -1,032.44  | 3,978.83             | 3,840.80              | 138.02                  | 28.827            |                    |         |
| 3,700.00                                | 3,629.48            | 3,604.48            | 3,604.48            | 18.20           | 124.13      | 131.53                | -3,427.00                         | -1,032.44  | 3,993.31             | 3,851.40              | 141.91                  | 28.139            |                    |         |
| 3,800.00                                | 3,727.12            | 3,702.12            | 3,702.12            | 18.70           | 127.54      | 131.75                | -3,427.00                         | -1,032.44  | 4,007.86             | 3,862.06              | 145.80                  | 27.488            |                    |         |
| 3,900.00                                | 3,824.76            | 3,800.24            | 3,799.76            | 19.21           | 130.96      | 131.98                | -3,427.00                         | -1,032.44  | 4,022.47             | 3,872.76              | 149.71                  | 26.868            |                    |         |
| 4,000.00                                | 3,922.40            | 3,902.60            | 3,897.40            | 19.71           | 134.53      | 132.21                | -3,427.00                         | -1,032.44  | 4,037.15             | 3,883.38              | 153.77                  | 26.255            |                    |         |
| 4,100.00                                | 4,020.03            | 4,004.97            | 3,995.03            | 20.21           | 138.11      | 132.43                | -3,427.00                         | -1,032.44  | 4,051.89             | 3,894.07              | 157.82                  | 25.674            |                    |         |
| 4,200.00                                | 4,117.67            | 4,107.33            | 4,092.67            | 20.72           | 141.68      | 132.65                | -3,427.00                         | -1,032.44  | 4,066.69             | 3,904.81              | 161.88                  | 25.122            |                    |         |
| 4,300.00                                | 4,215.31            | 4,209.69            | 4,190.31            | 21.23           | 145.25      | 132.87                | -3,427.00                         | -1,032.44  | 4,081.55             | 3,915.61              | 165.93                  | 24.597            |                    |         |
| 4,400.00                                | 4,312.94            | 4,287.94            | 4,287.94            | 21.73           | 147.98      | 133.09                | -3,427.00                         | -1,032.44  | 4,096.47             | 3,927.32              | 169.15                  | 24.218            |                    |         |
| 4,500.00                                | 4,410.58            | 4,385.58            | 4,385.58            | 22.24           | 151.39      | 133.31                | -3,427.00                         | -1,032.44  | 4,111.45             | 3,938.41              | 173.04                  | 23.760            |                    |         |
| 4,600.00                                | 4,508.22            | 4,483.22            | 4,483.22            | 22.75           | 154.80      | 133.52                | -3,427.00                         | -1,032.44  | 4,126.49             | 3,949.56              | 176.93                  | 23.323            |                    |         |
| 4,700.00                                | 4,605.86            | 4,580.86            | 4,580.86            | 23.25           | 158.21      | 133.74                | -3,427.00                         | -1,032.44  | 4,141.58             | 3,960.76              | 180.82                  | 22.904            |                    |         |
| 4,800.00                                | 4,703.49            | 4,678.49            | 4,678.49            | 23.76           | 161.61      | 133.95                | -3,427.00                         | -1,032.44  | 4,156.74             | 3,972.02              | 184.71                  | 22.504            |                    |         |
| 4,900.00                                | 4,801.13            | 4,776.13            | 4,776.13            | 24.27           | 165.02      | 134.16                | -3,427.00                         | -1,032.44  | 4,171.95             | 3,983.34              | 188.60                  | 22.120            |                    |         |
| 5,000.00                                | 4,898.77            | 4,873.77            | 4,873.77            | 24.77           | 168.43      | 134.37                | -3,427.00                         | -1,032.44  | 4,187.22             | 3,994.72              | 192.50                  | 21.752            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 4,971.40            | 4,971.40            | 25.28           | 171.84      | 134.58                | -3,427.00                         | -1,032.44  | 4,202.54             | 4,006.15              | 196.39                  | 21.399            |                    |         |
| 5,200.00                                | 5,094.04            | 5,069.04            | 5,069.04            | 25.79           | 175.25      | 134.79                | -3,427.00                         | -1,032.44  | 4,217.92             | 4,017.64              | 200.28                  | 21.060            |                    |         |
| 5,300.00                                | 5,191.68            | 5,166.68            | 5,166.68            | 26.30           | 178.65      | 134.99                | -3,427.00                         | -1,032.44  | 4,233.35             | 4,029.18              | 204.17                  | 20.734            |                    |         |
| 5,400.00                                | 5,289.32            | 5,264.32            | 5,264.32            | 26.81           | 182.06      | 135.19                | -3,427.00                         | -1,032.44  | 4,248.84             | 4,040.78              | 208.06                  | 20.421            |                    |         |
| 5,500.00                                | 5,386.95            | 5,361.95            | 5,361.95            | 27.32           | 185.47      | 135.40                | -3,427.00                         | -1,032.44  | 4,264.38             | 4,052.42              | 211.95                  | 20.120            |                    |         |
| 5,600.00                                | 5,484.59            | 5,459.59            | 5,459.59            | 27.83           | 188.88      | 135.60                | -3,427.00                         | -1,032.44  | 4,279.97             | 4,064.13              | 215.84                  | 19.829            |                    |         |
| 5,700.00                                | 5,582.23            | 5,557.23            | 5,557.23            | 28.33           | 192.29      | 135.80                | -3,427.00                         | -1,032.44  | 4,295.61             | 4,075.88              | 219.73                  | 19.549            |                    |         |
| 5,800.00                                | 5,679.87            | 5,654.87            | 5,654.87            | 28.84           | 195.69      | 135.99                | -3,427.00                         | -1,032.44  | 4,311.31             | 4,087.68              | 223.62                  | 19.279            |                    |         |
| 5,900.00                                | 5,777.50            | 5,752.50            | 5,752.50            | 29.35           | 199.10      | 136.19                | -3,427.00                         | -1,032.44  | 4,327.06             | 4,099.54              | 227.51                  | 19.019            |                    |         |
| 6,000.00                                | 5,875.14            | 5,850.14            | 5,850.14            | 29.86           | 202.51      | 136.39                | -3,427.00                         | -1,032.44  | 4,342.85             | 4,111.45              | 231.40                  | 18.767            |                    |         |
| 6,100.00                                | 5,972.78            | 5,947.78            | 5,947.78            | 30.37           | 205.92      | 136.58                | -3,427.00                         | -1,032.44  | 4,358.70             | 4,123.41              | 235.30                  | 18.524            |                    |         |
| 6,200.00                                | 6,070.41            | 6,045.41            | 6,045.41            | 30.88           | 209.33      | 136.77                | -3,427.00                         | -1,032.44  | 4,374.60             | 4,135.41              | 239.19                  | 18.290            |                    |         |
| 6,300.00                                | 6,168.05            | 6,143.05            | 6,143.05            | 31.39           | 212.73      | 136.96                | -3,427.00                         | -1,032.44  | 4,390.54             | 4,147.47              | 243.08                  | 18.062            |                    |         |
| 6,400.00                                | 6,265.69            | 6,240.69            | 6,240.69            | 31.90           | 216.14      | 137.15                | -3,427.00                         | -1,032.44  | 4,406.54             | 4,159.57              | 246.97                  | 17.843            |                    |         |
| 6,439.09                                | 6,303.85            | 6,278.85            | 6,278.85            | 32.10           | 217.47      | 137.23                | -3,427.00                         | -1,032.44  | 4,412.80             | 4,164.31              | 248.49                  | 17.759            |                    |         |
| 6,450.00                                | 6,314.53            | 6,289.53            | 6,289.53            | 32.16           | 217.85      | 138.86                | -3,427.00                         | -1,032.44  | 4,414.51             | 4,165.60              | 248.91                  | 17.735            |                    |         |
| 6,500.00                                | 6,363.83            | 6,338.83            | 6,338.83            | 32.39           | 219.57      | 150.85                | -3,427.00                         | -1,032.44  | 4,421.15             | 4,170.29              | 250.86                  | 17.624            |                    |         |
| 6,550.00                                | 6,413.58            | 6,388.58            | 6,388.58            | 32.60           | 221.30      | -176.18               | -3,427.00                         | -1,032.44  | 4,425.84             | 4,173.04              | 252.80                  | 17.507            |                    |         |
| 6,600.00                                | 6,463.45            | 6,438.45            | 6,438.45            | 32.79           | 223.05      | -115.16               | -3,427.00                         | -1,032.44  | 4,428.55             | 4,173.81              | 254.74                  | 17.385            |                    |         |
| 6,650.00                                | 6,513.15            | 6,488.15            | 6,488.15            | 32.97           | 224.78      | -87.67                | -3,427.00                         | -1,032.44  | 4,429.26             | 4,172.60              | 256.66                  | 17.257            |                    |         |
| 6,700.00                                | 6,562.37            | 6,537.37            | 6,537.37            | 33.15           | 226.50      | -77.87                | -3,427.00                         | -1,032.44  | 4,427.98             | 4,169.42              | 258.56                  | 17.126            |                    |         |
| 6,750.00                                | 6,610.80            | 6,585.80            | 6,585.80            | 33.34           | 228.19      | -73.46                | -3,427.00                         | -1,032.44  | 4,424.74             | 4,164.31              | 260.43                  | 16.990            |                    |         |
| 6,800.00                                | 6,658.14            | 6,633.14            | 6,633.14            | 33.53           | 229.84      | -71.26                | -3,427.00                         | -1,032.44  | 4,419.58             | 4,157.31              | 262.28                  | 16.851            |                    |         |
| 6,850.00                                | 6,704.11            | 6,679.11            | 6,679.11            | 33.74           | 231.45      | -70.25                | -3,427.00                         | -1,032.44  | 4,412.58             | 4,148.50              | 264.08                  | 16.709            |                    |         |
| 6,900.00                                | 6,748.42            | 6,723.42            | 6,723.42            | 33.97           | 232.99      | -69.97                | -3,427.00                         | -1,032.44  | 4,403.80             | 4,137.97              | 265.83                  | 16.566            |                    |         |
| 6,950.00                                | 6,790.79            | 6,765.79            | 6,765.79            | 34.21           | 234.47      | -70.20                | -3,427.00                         | -1,032.44  | 4,393.35             | 4,125.83              | 267.53                  | 16.422            |                    |         |
| 7,000.00                                | 6,830.97            | 6,805.97            | 6,805.97            | 34.48           | 235.87      | -70.82                | -3,427.00                         | -1,032.44  | 4,381.35             | 4,112.19              | 269.16                  | 16.278            |                    |         |
| 7,050.00                                | 6,868.71            | 6,843.71            | 6,843.71            | 34.77           | 237.19      | -71.76                | -3,427.00                         | -1,032.44  | 4,367.91             | 4,097.17              | 270.74                  | 16.133            |                    |         |
| 7,100.00                                | 6,903.77            | 6,878.77            | 6,878.77            | 35.09           | 238.42      | -72.95                | -3,427.00                         | -1,032.44  | 4,353.18             | 4,080.93              | 272.24                  | 15.990            |                    |         |
| 7,150.00                                | 6,935.93            | 6,910.93            | 6,910.93            | 35.44           | 239.54      | -74.36                | -3,427.00                         | -1,032.44  | 4,337.29             | 4,063.61              | 273.68                  | 15.848            |                    |         |
| 7,200.00                                | 6,965.01            | 6,940.01            | 6,940.01            | 35.83           | 240.55      | -75.94                | -3,427.00                         | -1,032.44  | 4,320.41             | 4,045.37              | 275.04                  | 15.708            |                    |         |
| 7,250.00                                | 6,990.82            | 6,965.82            | 6,965.82            | 36.26           | 241.45      | -77.66                | -3,427.00                         | -1,032.44  | 4,302.68             | 4,026.36              | 276.32                  | 15.571            |                    |         |
| 7,300.00                                | 7,013.20            | 6,988.20            | 6,988.20            | 36.72           | 242.24      | -79.49                | -3,427.00                         | -1,032.44  | 4,284.27             | 4,006.74              | 277.53                  | 15.437            |                    |         |
| 7,350.00                                | 7,032.02            | 7,007.02            | 7,007.02            | 37.23           | 242.89      | -81.39                | -3,427.00                         | -1,032.44  | 4,265.34             | 3,986.69              | 278.65                  | 15.307            |                    |         |
| 7,400.00                                | 7,047.15            | 7,022.15            | 7,022.15            | 37.77           | 243.42      | -83.34                | -3,427.00                         | -1,032.44  | 4,246.05             | 3,966.36              | 279.69                  | 15.181            |                    |         |
| 7,450.00                                | 7,058.51            | 7,033.51            | 7,033.51            | 38.34           | 243.82      | -85.31                | -3,427.00                         | -1,032.44  | 4,226.55             | 3,945.92              | 280.63                  | 15.061            |                    |         |
| 7,500.00                                | 7,066.02            | 7,041.02            | 7,041.02            | 38.95           | 244.08      | -87.27                | -3,427.00                         | -1,032.44  | 4,207.00             | 3,925.52              | 281.48                  | 14.946            |                    |         |
| 7,550.00                                | 7,069.64            | 7,044.64            | 7,044.64            | 39.58           | 244.21      | -89.20                | -3,427.00                         | -1,032.44  | 4,187.52             | 3,905.30              | 282.22                  | 14.838            |                    |         |
| 7,571.20                                | 7,070.00            | 7,045.00            | 7,045.00            | 39.85           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 4,179.32             | 3,896.82              | 282.50                  | 14.794            |                    |         |
| 7,600.00                                | 7,070.00            | 7,045.00            | 7,045.00            | 40.23           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 4,168.30             | 3,885.42              | 282.88                  | 14.735            |                    |         |
| 7,700.00                                | 7,070.01            | 7,045.01            | 7,045.01            | 41.64           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 4,131.35             | 3,847.05              | 284.30                  | 14.532            |                    |         |
| 7,800.00                                | 7,070.02            | 7,045.02            | 7,045.02            | 43.20           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 4,096.51             | 3,810.63              | 285.88                  | 14.329            |                    |         |
| 7,900.00                                | 7,070.03            | 7,045.03            | 7,045.03            | 44.89           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 4,063.84             | 3,776.22              | 287.62                  | 14.129            |                    |         |
| 8,000.00                                | 7,070.04            | 7,045.04            | 7,045.04            | 46.69           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 4,033.38             | 3,743.88              | 289.50                  | 13.932            |                    |         |
| 8,100.00                                | 7,070.05            | 7,045.05            | 7,045.05            | 48.60           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 4,005.18             | 3,713.68              | 291.50                  | 13.740            |                    |         |
| 8,200.00                                | 7,070.05            | 7,045.05            | 7,045.05            | 50.59           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,979.30             | 3,685.69              | 293.61                  | 13.553            |                    |         |
| 8,300.00                                | 7,070.06            | 7,045.06            | 7,045.06            | 52.66           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,955.78             | 3,659.96              | 295.82                  | 13.372            |                    |         |
| 8,400.00                                | 7,070.07            | 7,045.07            | 7,045.07            | 54.81           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,934.66             | 3,636.55              | 298.11                  | 13.199            |                    |         |
| 8,500.00                                | 7,070.08            | 7,045.08            | 7,045.08            | 57.02           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,915.98             | 3,615.51              | 300.47                  | 13.033            |                    |         |
| 8,600.00                                | 7,070.09            | 7,045.09            | 7,045.09            | 59.28           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,899.78             | 3,596.89              | 302.89                  | 12.875            |                    |         |
| 8,700.00                                | 7,070.10            | 7,045.10            | 7,045.10            | 61.60           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,886.08             | 3,580.73              | 305.35                  | 12.726            |                    |         |
| 8,800.00                                | 7,070.11            | 7,045.11            | 7,045.11            | 63.95           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,874.92             | 3,567.06              | 307.85                  | 12.587            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,045.12            | 7,045.12            | 66.35           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,866.31             | 3,555.94              | 310.37                  | 12.457            |                    |         |
| 9,000.00                                | 7,070.13            | 7,045.13            | 7,045.13            | 68.79           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,860.27             | 3,547.37              | 312.90                  | 12.337            |                    |         |
| 9,100.00                                | 7,070.13            | 7,045.13            | 7,045.13            | 71.25           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,856.82             | 3,541.38              | 315.44                  | 12.227            |                    |         |
| 9,183.23                                | 7,070.14            | 7,045.14            | 7,045.14            | 73.32           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,855.92             | 3,538.38              | 317.54                  | 12.143            |                    |         |
| 9,200.00                                | 7,070.14            | 7,045.14            | 7,045.14            | 73.74           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,855.96             | 3,537.99              | 317.96                  | 12.127            |                    |         |
| 9,300.00                                | 7,070.15            | 7,045.15            | 7,045.15            | 76.26           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,857.69             | 3,537.21              | 320.47                  | 12.037 ES         |                    |         |
| 9,400.00                                | 7,070.16            | 7,045.16            | 7,045.16            | 78.80           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,862.01             | 3,539.05              | 322.96                  | 11.958            |                    |         |
| 9,500.00                                | 7,070.17            | 7,045.17            | 7,045.17            | 81.37           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,868.91             | 3,543.50              | 325.41                  | 11.889            |                    |         |
| 9,600.00                                | 7,070.18            | 7,045.18            | 7,045.18            | 83.95           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,878.38             | 3,550.55              | 327.83                  | 11.830            |                    |         |
| 9,700.00                                | 7,070.19            | 7,045.19            | 7,045.19            | 86.55           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,890.39             | 3,560.20              | 330.20                  | 11.782            |                    |         |
| 9,800.00                                | 7,070.20            | 7,045.20            | 7,045.20            | 89.17           | 244.22      | -90.00                | -3,427.00                         | -1,032.44  | 3,904.94             | 3,572.42              | 332.52                  | 11.744            |                    |         |
| 9,900.00                                | 7,070.21            | 7,045.21            | 7,045.21            | 91.80           | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 3,921.97             | 3,587.19              | 334.78                  | 11.715            |                    |         |
| 10,000.00                               | 7,070.21            | 7,045.21            | 7,045.21            | 94.44           | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 3,941.48             | 3,604.49              | 336.98                  | 11.696            |                    |         |
| 10,100.00                               | 7,070.22            | 7,045.22            | 7,045.22            | 97.10           | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 3,963.41             | 3,624.29              | 339.12                  | 11.687 SF         |                    |         |
| 10,200.00                               | 7,070.23            | 7,045.23            | 7,045.23            | 99.77           | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 3,987.72             | 3,646.53              | 341.19                  | 11.688            |                    |         |
| 10,300.00                               | 7,070.24            | 7,045.24            | 7,045.24            | 102.44          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,014.39             | 3,671.19              | 343.19                  | 11.697            |                    |         |
| 10,400.00                               | 7,070.25            | 7,045.25            | 7,045.25            | 105.13          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,043.35             | 3,698.22              | 345.12                  | 11.716            |                    |         |
| 10,500.00                               | 7,070.26            | 7,045.26            | 7,045.26            | 107.83          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,074.56             | 3,727.58              | 346.98                  | 11.743            |                    |         |
| 10,600.00                               | 7,070.27            | 7,045.27            | 7,045.27            | 110.53          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,107.96             | 3,759.20              | 348.76                  | 11.779            |                    |         |
| 10,700.00                               | 7,070.28            | 7,045.28            | 7,045.28            | 113.24          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,143.52             | 3,793.05              | 350.47                  | 11.823            |                    |         |
| 10,800.00                               | 7,070.28            | 7,045.28            | 7,045.28            | 115.96          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,181.16             | 3,829.05              | 352.10                  | 11.875            |                    |         |
| 10,900.00                               | 7,070.29            | 7,045.29            | 7,045.29            | 118.69          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,220.83             | 3,867.17              | 353.67                  | 11.935            |                    |         |
| 11,000.00                               | 7,070.30            | 7,045.30            | 7,045.30            | 121.42          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,262.49             | 3,907.33              | 355.15                  | 12.002            |                    |         |
| 11,100.00                               | 7,070.31            | 7,045.31            | 7,045.31            | 124.16          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,306.06             | 3,949.49              | 356.57                  | 12.076            |                    |         |
| 11,200.00                               | 7,070.32            | 7,045.32            | 7,045.32            | 126.90          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,351.49             | 3,993.58              | 357.91                  | 12.158            |                    |         |
| 11,300.00                               | 7,070.33            | 7,045.33            | 7,045.33            | 129.65          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,398.73             | 4,039.54              | 359.19                  | 12.246            |                    |         |
| 11,400.00                               | 7,070.34            | 7,045.34            | 7,045.34            | 132.40          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,447.72             | 4,087.32              | 360.40                  | 12.341            |                    |         |
| 11,500.00                               | 7,070.35            | 7,045.35            | 7,045.35            | 135.16          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,498.40             | 4,136.85              | 361.54                  | 12.442            |                    |         |
| 11,600.00                               | 7,070.36            | 7,045.36            | 7,045.36            | 137.92          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,550.70             | 4,188.08              | 362.63                  | 12.549            |                    |         |
| 11,700.00                               | 7,070.36            | 7,045.36            | 7,045.36            | 140.69          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,604.59             | 4,240.95              | 363.65                  | 12.662            |                    |         |
| 11,800.00                               | 7,070.37            | 7,045.37            | 7,045.37            | 143.46          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,660.00             | 4,295.39              | 364.61                  | 12.781            |                    |         |
| 11,900.00                               | 7,070.38            | 7,045.38            | 7,045.38            | 146.23          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,716.88             | 4,351.37              | 365.51                  | 12.905            |                    |         |
| 12,000.00                               | 7,070.39            | 7,045.39            | 7,045.39            | 149.01          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,775.18             | 4,408.81              | 366.37                  | 13.034            |                    |         |
| 12,100.00                               | 7,070.40            | 7,045.40            | 7,045.40            | 151.79          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,834.84             | 4,467.67              | 367.17                  | 13.168            |                    |         |
| 12,200.00                               | 7,070.41            | 7,045.41            | 7,045.41            | 154.57          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,895.82             | 4,527.90              | 367.92                  | 13.307            |                    |         |
| 12,300.00                               | 7,070.42            | 7,045.42            | 7,045.42            | 157.35          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 4,958.06             | 4,589.44              | 368.62                  | 13.450            |                    |         |
| 12,400.00                               | 7,070.43            | 7,045.43            | 7,045.43            | 160.14          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 5,021.53             | 4,652.25              | 369.28                  | 13.598            |                    |         |
| 12,500.00                               | 7,070.44            | 7,045.44            | 7,045.44            | 162.93          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 5,086.17             | 4,716.27              | 369.90                  | 13.750            |                    |         |
| 12,600.00                               | 7,070.44            | 7,045.44            | 7,045.44            | 165.72          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 5,151.94             | 4,781.46              | 370.48                  | 13.906            |                    |         |
| 12,700.00                               | 7,070.45            | 7,045.45            | 7,045.45            | 168.52          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 5,218.79             | 4,847.78              | 371.01                  | 14.066            |                    |         |
| 12,800.00                               | 7,070.46            | 7,045.46            | 7,045.46            | 171.32          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 5,286.70             | 4,915.18              | 371.52                  | 14.230            |                    |         |
| 12,900.00                               | 7,070.47            | 7,045.47            | 7,045.47            | 174.11          | 244.23      | -90.00                | -3,427.00                         | -1,032.44  | 5,355.61             | 4,983.62              | 371.99                  | 14.397            |                    |         |
| 13,000.00                               | 7,070.48            | 7,045.48            | 7,045.48            | 176.92          | 244.23      | -90.01                | -3,427.00                         | -1,032.44  | 5,425.48             | 5,053.06              | 372.42                  | 14.568            |                    |         |
| 13,100.00                               | 7,070.49            | 7,045.49            | 7,045.49            | 179.72          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 5,496.29             | 5,123.47              | 372.83                  | 14.742            |                    |         |
| 13,200.00                               | 7,070.50            | 7,045.50            | 7,045.50            | 182.52          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 5,568.00             | 5,194.79              | 373.20                  | 14.919            |                    |         |
| 13,300.00                               | 7,070.51            | 7,045.51            | 7,045.51            | 185.33          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 5,640.56             | 5,267.01              | 373.55                  | 15.100            |                    |         |
| 13,400.00                               | 7,070.52            | 7,045.52            | 7,045.52            | 188.14          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 5,713.96             | 5,340.08              | 373.88                  | 15.283            |                    |         |
| 13,500.00                               | 7,070.52            | 7,045.52            | 7,045.52            | 190.95          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 5,788.15             | 5,413.97              | 374.18                  | 15.469            |                    |         |
| 13,600.00                               | 7,070.53            | 7,045.53            | 7,045.53            | 193.76          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 5,863.11             | 5,488.65              | 374.45                  | 15.658            |                    |         |
| 13,700.00                               | 7,070.54            | 7,045.54            | 7,045.54            | 196.57          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 5,938.80             | 5,564.09              | 374.71                  | 15.849            |                    |         |
| 13,800.00                               | 7,070.55            | 7,045.55            | 7,045.55            | 199.38          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,015.21             | 5,640.26              | 374.95                  | 16.043            |                    |         |
| 13,900.00                               | 7,070.56            | 7,045.56            | 7,045.56            | 202.20          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,092.30             | 5,717.13              | 375.16                  | 16.239            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                               | 7,070.57            | 7,045.57            | 7,045.57            | 205.01          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,170.04             | 5,794.68              | 375.36                  | 16.438            |                    |         |
| 14,100.00                               | 7,070.58            | 7,045.58            | 7,045.58            | 207.83          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,248.42             | 5,872.88              | 375.54                  | 16.638            |                    |         |
| 14,200.00                               | 7,070.59            | 7,045.59            | 7,045.59            | 210.65          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,327.41             | 5,951.70              | 375.71                  | 16.841            |                    |         |
| 14,300.00                               | 7,070.60            | 7,045.60            | 7,045.60            | 213.47          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,406.99             | 6,031.12              | 375.86                  | 17.046            |                    |         |
| 14,400.00                               | 7,070.60            | 7,045.60            | 7,045.60            | 216.29          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,487.13             | 6,111.13              | 376.00                  | 17.253            |                    |         |
| 14,500.00                               | 7,070.61            | 7,045.61            | 7,045.61            | 219.11          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,567.82             | 6,191.69              | 376.13                  | 17.462            |                    |         |
| 14,600.00                               | 7,070.62            | 7,045.62            | 7,045.62            | 221.94          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,649.03             | 6,272.78              | 376.24                  | 17.672            |                    |         |
| 14,700.00                               | 7,070.63            | 7,045.63            | 7,045.63            | 224.76          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,730.74             | 6,354.40              | 376.35                  | 17.884            |                    |         |
| 14,800.00                               | 7,070.64            | 7,045.64            | 7,045.64            | 227.58          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,812.95             | 6,436.51              | 376.44                  | 18.098            |                    |         |
| 14,900.00                               | 7,070.65            | 7,045.65            | 7,045.65            | 230.41          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,895.62             | 6,519.10              | 376.52                  | 18.314            |                    |         |
| 15,000.00                               | 7,070.66            | 7,045.66            | 7,045.66            | 233.24          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 6,978.75             | 6,602.16              | 376.59                  | 18.531            |                    |         |
| 15,100.00                               | 7,070.67            | 7,045.67            | 7,045.67            | 236.06          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,062.32             | 6,685.66              | 376.66                  | 18.750            |                    |         |
| 15,200.00                               | 7,070.68            | 7,045.68            | 7,045.68            | 238.89          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,146.31             | 6,769.59              | 376.72                  | 18.970            |                    |         |
| 15,300.00                               | 7,070.68            | 7,045.68            | 7,045.68            | 241.72          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,230.70             | 6,853.94              | 376.77                  | 19.191            |                    |         |
| 15,400.00                               | 7,070.69            | 7,045.69            | 7,045.69            | 244.55          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,315.49             | 6,938.68              | 376.81                  | 19.414            |                    |         |
| 15,500.00                               | 7,070.70            | 7,045.70            | 7,045.70            | 247.38          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,400.66             | 7,023.82              | 376.84                  | 19.638            |                    |         |
| 15,600.00                               | 7,070.71            | 7,045.71            | 7,045.71            | 250.21          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,486.20             | 7,109.32              | 376.87                  | 19.864            |                    |         |
| 15,700.00                               | 7,070.72            | 7,045.72            | 7,045.72            | 253.04          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,572.09             | 7,195.19              | 376.90                  | 20.091            |                    |         |
| 15,800.00                               | 7,070.73            | 7,045.73            | 7,045.73            | 255.87          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,658.32             | 7,281.40              | 376.92                  | 20.318            |                    |         |
| 15,900.00                               | 7,070.74            | 7,045.74            | 7,045.74            | 258.71          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,744.88             | 7,367.95              | 376.93                  | 20.547            |                    |         |
| 16,000.00                               | 7,070.75            | 7,045.75            | 7,045.75            | 261.54          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,831.76             | 7,454.82              | 376.94                  | 20.777            |                    |         |
| 16,100.00                               | 7,070.76            | 7,045.76            | 7,045.76            | 264.37          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 7,918.96             | 7,542.01              | 376.95                  | 21.008            |                    |         |
| 16,200.00                               | 7,070.76            | 7,045.76            | 7,045.76            | 267.21          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 8,006.45             | 7,629.50              | 376.95                  | 21.240            |                    |         |
| 16,300.00                               | 7,070.77            | 7,045.77            | 7,045.77            | 270.04          | 244.24      | -90.01                | -3,427.00                         | -1,032.44  | 8,094.23             | 7,717.29              | 376.95                  | 21.473            |                    |         |
| 16,400.00                               | 7,070.78            | 7,045.78            | 7,045.78            | 272.88          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,182.30             | 7,805.36              | 376.94                  | 21.707            |                    |         |
| 16,500.00                               | 7,070.79            | 7,045.79            | 7,045.79            | 275.71          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,270.63             | 7,893.70              | 376.93                  | 21.942            |                    |         |
| 16,600.00                               | 7,070.80            | 7,045.80            | 7,045.80            | 278.55          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,359.23             | 7,982.31              | 376.92                  | 22.178            |                    |         |
| 16,700.00                               | 7,070.81            | 7,045.81            | 7,045.81            | 281.39          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,448.08             | 8,071.17              | 376.91                  | 22.414            |                    |         |
| 16,800.00                               | 7,070.82            | 7,045.82            | 7,045.82            | 284.22          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,537.18             | 8,160.29              | 376.89                  | 22.652            |                    |         |
| 16,900.00                               | 7,070.83            | 7,045.83            | 7,045.83            | 287.06          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,626.51             | 8,249.64              | 376.87                  | 22.890            |                    |         |
| 17,000.00                               | 7,070.84            | 7,045.84            | 7,045.84            | 289.90          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,716.08             | 8,339.23              | 376.85                  | 23.129            |                    |         |
| 17,100.00                               | 7,070.84            | 7,045.84            | 7,045.84            | 292.74          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,805.88             | 8,429.05              | 376.83                  | 23.368            |                    |         |
| 17,200.00                               | 7,070.85            | 7,045.85            | 7,045.85            | 295.58          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,895.89             | 8,519.08              | 376.80                  | 23.609            |                    |         |
| 17,300.00                               | 7,070.86            | 7,045.86            | 7,045.86            | 298.42          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 8,986.11             | 8,609.33              | 376.78                  | 23.850            |                    |         |
| 17,400.00                               | 7,070.87            | 7,045.87            | 7,045.87            | 301.26          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,076.54             | 8,699.79              | 376.75                  | 24.092            |                    |         |
| 17,500.00                               | 7,070.88            | 7,045.88            | 7,045.88            | 304.10          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,167.16             | 8,790.44              | 376.72                  | 24.334            |                    |         |
| 17,600.00                               | 7,070.89            | 7,045.89            | 7,045.89            | 306.94          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,257.98             | 8,881.29              | 376.69                  | 24.577            |                    |         |
| 17,700.00                               | 7,070.90            | 7,045.90            | 7,045.90            | 309.78          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,348.99             | 8,972.33              | 376.66                  | 24.821            |                    |         |
| 17,800.00                               | 7,070.91            | 7,045.91            | 7,045.91            | 312.62          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,440.18             | 9,063.55              | 376.63                  | 25.065            |                    |         |
| 17,900.00                               | 7,070.92            | 7,045.92            | 7,045.92            | 315.46          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,531.54             | 9,154.95              | 376.60                  | 25.310            |                    |         |
| 18,000.00                               | 7,070.92            | 7,045.92            | 7,045.92            | 318.31          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,623.08             | 9,246.52              | 376.56                  | 25.555            |                    |         |
| 18,100.00                               | 7,070.93            | 7,045.93            | 7,045.93            | 321.15          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,714.78             | 9,338.25              | 376.53                  | 25.801            |                    |         |
| 18,200.00                               | 7,070.94            | 7,045.94            | 7,045.94            | 323.99          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,806.65             | 9,430.15              | 376.49                  | 26.047            |                    |         |
| 18,300.00                               | 7,070.95            | 7,045.95            | 7,045.95            | 326.83          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,898.67             | 9,522.21              | 376.46                  | 26.294            |                    |         |
| 18,400.00                               | 7,070.96            | 7,045.96            | 7,045.96            | 329.68          | 244.25      | -90.01                | -3,427.00                         | -1,032.44  | 9,990.85             | 9,614.42              | 376.42                  | 26.541            |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                                    | 0.00                | 4.00                | -4.00               | 3.28            | 3.28        | -88.82                | 171.54                            | -8,361.48  | 8,363.24             |                       |                         |                   |                    |         |
| 100.00                                  | 100.00              | 104.00              | 96.00               | 3.28            | 3.78        | -88.82                | 171.54                            | -8,361.48  | 8,363.24             | 8,356.18              | 7.07                    | 1,183.282         |                    |         |
| 200.00                                  | 200.00              | 204.00              | 196.00              | 3.34            | 6.30        | -88.82                | 171.54                            | -8,361.48  | 8,363.24             | 8,353.61              | 9.63                    | 868.029           |                    |         |
| 300.00                                  | 300.00              | 304.00              | 296.00              | 3.44            | 9.45        | -88.82                | 171.54                            | -8,361.48  | 8,363.24             | 8,350.34              | 12.90                   | 648.351           |                    |         |
| 400.00                                  | 399.98              | 404.02              | 395.98              | 3.60            | 12.79       | -161.32               | 171.54                            | -8,361.48  | 8,364.90             | 8,348.51              | 16.39                   | 510.437           |                    |         |
| 500.00                                  | 499.84              | 504.16              | 495.84              | 3.80            | 16.19       | -161.30               | 171.54                            | -8,361.48  | 8,369.85             | 8,349.86              | 19.99                   | 418.658           |                    |         |
| 600.00                                  | 599.45              | 604.55              | 595.45              | 4.04            | 19.64       | -161.26               | 171.54                            | -8,361.48  | 8,378.11             | 8,354.44              | 23.68                   | 353.844           |                    |         |
| 700.00                                  | 698.70              | 705.30              | 694.70              | 4.32            | 23.11       | -161.22               | 171.54                            | -8,361.48  | 8,389.66             | 8,362.23              | 27.43                   | 305.886           |                    |         |
| 800.00                                  | 797.47              | 806.53              | 793.47              | 4.63            | 26.61       | -161.15               | 171.54                            | -8,361.48  | 8,404.49             | 8,373.25              | 31.23                   | 269.079           |                    |         |
| 900.00                                  | 895.62              | 908.38              | 891.62              | 4.97            | 30.14       | -161.08               | 171.54                            | -8,361.48  | 8,422.57             | 8,387.48              | 35.09                   | 239.997           |                    |         |
| 924.00                                  | 919.08              | 915.08              | 915.08              | 5.06            | 30.38       | -161.06               | 171.54                            | -8,361.48  | 8,427.40             | 8,391.98              | 35.41                   | 237.973           |                    |         |
| 1,000.00                                | 993.28              | 989.28              | 989.28              | 5.34            | 32.95       | -161.09               | 171.54                            | -8,361.48  | 8,442.97             | 8,404.72              | 38.25                   | 220.725           |                    |         |
| 1,100.00                                | 1,090.92            | 1,086.92            | 1,086.92            | 5.73            | 36.35       | -161.14               | 171.54                            | -8,361.48  | 8,463.47             | 8,421.47              | 42.00                   | 201.498           |                    |         |
| 1,200.00                                | 1,188.56            | 1,184.56            | 1,184.56            | 6.15            | 39.74       | -161.19               | 171.54                            | -8,361.48  | 8,483.97             | 8,438.20              | 45.77                   | 185.353           |                    |         |
| 1,300.00                                | 1,286.19            | 1,282.19            | 1,282.19            | 6.57            | 43.14       | -161.23               | 171.54                            | -8,361.48  | 8,504.48             | 8,454.92              | 49.56                   | 171.614           |                    |         |
| 1,400.00                                | 1,383.83            | 1,379.83            | 1,379.83            | 7.01            | 46.54       | -161.28               | 171.54                            | -8,361.48  | 8,524.99             | 8,471.64              | 53.35                   | 159.790           |                    |         |
| 1,500.00                                | 1,481.47            | 1,477.47            | 1,477.47            | 7.46            | 49.94       | -161.33               | 171.54                            | -8,361.48  | 8,545.51             | 8,488.35              | 57.16                   | 149.510           |                    |         |
| 1,600.00                                | 1,579.10            | 1,575.10            | 1,575.10            | 7.91            | 53.34       | -161.37               | 171.54                            | -8,361.48  | 8,566.04             | 8,505.06              | 60.97                   | 140.494           |                    |         |
| 1,700.00                                | 1,676.74            | 1,672.74            | 1,672.74            | 8.37            | 56.74       | -161.42               | 171.54                            | -8,361.48  | 8,586.56             | 8,521.77              | 64.79                   | 132.526           |                    |         |
| 1,800.00                                | 1,774.38            | 1,770.38            | 1,770.38            | 8.84            | 60.15       | -161.46               | 171.54                            | -8,361.48  | 8,607.10             | 8,538.48              | 68.62                   | 125.435           |                    |         |
| 1,900.00                                | 1,872.02            | 1,868.02            | 1,868.02            | 9.31            | 63.55       | -161.51               | 171.54                            | -8,361.48  | 8,627.64             | 8,555.19              | 72.45                   | 119.085           |                    |         |
| 2,000.00                                | 1,969.65            | 1,965.65            | 1,965.65            | 9.79            | 66.96       | -161.55               | 171.54                            | -8,361.48  | 8,648.18             | 8,571.90              | 76.29                   | 113.366           |                    |         |
| 2,100.00                                | 2,067.29            | 2,063.29            | 2,063.29            | 10.27           | 70.36       | -161.60               | 171.54                            | -8,361.48  | 8,668.73             | 8,588.61              | 80.13                   | 108.190           |                    |         |
| 2,200.00                                | 2,164.93            | 2,160.93            | 2,160.93            | 10.75           | 73.77       | -161.64               | 171.54                            | -8,361.48  | 8,689.29             | 8,605.32              | 83.97                   | 103.483           |                    |         |
| 2,300.00                                | 2,262.56            | 2,258.56            | 2,258.56            | 11.24           | 77.17       | -161.69               | 171.54                            | -8,361.48  | 8,709.85             | 8,622.04              | 87.81                   | 99.185            |                    |         |
| 2,400.00                                | 2,360.20            | 2,356.20            | 2,356.20            | 11.73           | 80.58       | -161.73               | 171.54                            | -8,361.48  | 8,730.42             | 8,638.75              | 91.66                   | 95.245            |                    |         |
| 2,500.00                                | 2,457.84            | 2,453.84            | 2,453.84            | 12.22           | 83.98       | -161.78               | 171.54                            | -8,361.48  | 8,750.99             | 8,655.47              | 95.51                   | 91.621            |                    |         |
| 2,600.00                                | 2,555.48            | 2,551.48            | 2,551.48            | 12.71           | 87.39       | -161.82               | 171.54                            | -8,361.48  | 8,771.56             | 8,672.20              | 99.37                   | 88.276            |                    |         |
| 2,700.00                                | 2,653.11            | 2,649.11            | 2,649.11            | 13.20           | 90.79       | -161.87               | 171.54                            | -8,361.48  | 8,792.14             | 8,688.92              | 103.22                  | 85.179            |                    |         |
| 2,800.00                                | 2,750.75            | 2,746.75            | 2,746.75            | 13.70           | 94.20       | -161.91               | 171.54                            | -8,361.48  | 8,812.73             | 8,705.65              | 107.08                  | 82.304            |                    |         |
| 2,900.00                                | 2,848.39            | 2,844.39            | 2,844.39            | 14.19           | 97.61       | -161.95               | 171.54                            | -8,361.48  | 8,833.32             | 8,722.39              | 110.93                  | 79.627            |                    |         |
| 3,000.00                                | 2,946.02            | 2,942.02            | 2,942.02            | 14.69           | 101.01      | -162.00               | 171.54                            | -8,361.48  | 8,853.91             | 8,739.12              | 114.79                  | 77.130            |                    |         |
| 3,100.00                                | 3,043.66            | 3,039.66            | 3,039.66            | 15.19           | 104.42      | -162.04               | 171.54                            | -8,361.48  | 8,874.51             | 8,755.86              | 118.65                  | 74.795            |                    |         |
| 3,200.00                                | 3,141.30            | 3,137.30            | 3,137.30            | 15.69           | 107.83      | -162.08               | 171.54                            | -8,361.48  | 8,895.12             | 8,772.61              | 122.51                  | 72.606            |                    |         |
| 3,300.00                                | 3,238.94            | 3,234.94            | 3,234.94            | 16.19           | 111.23      | -162.12               | 171.54                            | -8,361.48  | 8,915.73             | 8,789.36              | 126.37                  | 70.551            |                    |         |
| 3,400.00                                | 3,336.57            | 3,332.57            | 3,332.57            | 16.69           | 114.64      | -162.17               | 171.54                            | -8,361.48  | 8,936.34             | 8,806.11              | 130.24                  | 68.617            |                    |         |
| 3,500.00                                | 3,434.21            | 3,430.21            | 3,430.21            | 17.19           | 118.05      | -162.21               | 171.54                            | -8,361.48  | 8,956.96             | 8,822.86              | 134.10                  | 66.794            |                    |         |
| 3,600.00                                | 3,531.85            | 3,527.85            | 3,527.85            | 17.69           | 121.46      | -162.25               | 171.54                            | -8,361.48  | 8,977.59             | 8,839.62              | 137.96                  | 65.072            |                    |         |
| 3,700.00                                | 3,629.48            | 3,625.48            | 3,625.48            | 18.20           | 124.86      | -162.29               | 171.54                            | -8,361.48  | 8,998.21             | 8,856.39              | 141.83                  | 63.445            |                    |         |
| 3,800.00                                | 3,727.12            | 3,723.12            | 3,723.12            | 18.70           | 128.27      | -162.33               | 171.54                            | -8,361.48  | 9,018.85             | 8,873.16              | 145.69                  | 61.903            |                    |         |
| 3,900.00                                | 3,824.76            | 3,820.76            | 3,820.76            | 19.21           | 131.68      | -162.38               | 171.54                            | -8,361.48  | 9,039.49             | 8,889.93              | 149.56                  | 60.441            |                    |         |
| 4,000.00                                | 3,922.40            | 3,918.40            | 3,918.40            | 19.71           | 135.09      | -162.42               | 171.54                            | -8,361.48  | 9,060.13             | 8,906.70              | 153.42                  | 59.053            |                    |         |
| 4,100.00                                | 4,020.03            | 4,016.03            | 4,016.03            | 20.21           | 138.49      | -162.46               | 171.54                            | -8,361.48  | 9,080.77             | 8,923.48              | 157.29                  | 57.732            |                    |         |
| 4,200.00                                | 4,117.67            | 4,113.67            | 4,113.67            | 20.72           | 141.90      | -162.50               | 171.54                            | -8,361.48  | 9,101.43             | 8,940.27              | 161.16                  | 56.475            |                    |         |
| 4,300.00                                | 4,215.31            | 4,211.31            | 4,211.31            | 21.23           | 145.31      | -162.54               | 171.54                            | -8,361.48  | 9,122.08             | 8,957.05              | 165.03                  | 55.277            |                    |         |
| 4,400.00                                | 4,312.94            | 4,308.94            | 4,308.94            | 21.73           | 148.72      | -162.58               | 171.54                            | -8,361.48  | 9,142.74             | 8,973.85              | 168.89                  | 54.133            |                    |         |
| 4,500.00                                | 4,410.58            | 4,406.58            | 4,406.58            | 22.24           | 152.12      | -162.62               | 171.54                            | -8,361.48  | 9,163.40             | 8,990.64              | 172.76                  | 53.040            |                    |         |
| 4,600.00                                | 4,508.22            | 4,504.22            | 4,504.22            | 22.75           | 155.53      | -162.66               | 171.54                            | -8,361.48  | 9,184.07             | 9,007.44              | 176.63                  | 51.996            |                    |         |
| 4,700.00                                | 4,605.86            | 4,601.86            | 4,601.86            | 23.25           | 158.94      | -162.70               | 171.54                            | -8,361.48  | 9,204.75             | 9,024.25              | 180.50                  | 50.996            |                    |         |
| 4,800.00                                | 4,703.49            | 4,700.51            | 4,699.49            | 23.76           | 162.38      | -162.74               | 171.54                            | -8,361.48  | 9,225.42             | 9,041.02              | 184.40                  | 50.028            |                    |         |
| 4,900.00                                | 4,801.13            | 4,802.87            | 4,797.13            | 24.27           | 165.96      | -162.78               | 171.54                            | -8,361.48  | 9,246.11             | 9,057.67              | 188.44                  | 49.067            |                    |         |
| 5,000.00                                | 4,898.77            | 4,905.23            | 4,894.77            | 24.77           | 169.53      | -162.82               | 171.54                            | -8,361.48  | 9,266.79             | 9,074.32              | 192.47                  | 48.146            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                                | 4,996.40            | 5,007.60            | 4,992.40            | 25.28           | 173.10      | -162.86               | 171.54                            | -8,361.48  | 9,287.48             | 9,090.97              | 196.51                  | 47.262            |                    |         |
| 5,200.00                                | 5,094.04            | 5,109.96            | 5,090.04            | 25.79           | 176.67      | -162.90               | 171.54                            | -8,361.48  | 9,308.18             | 9,107.63              | 200.54                  | 46.415            |                    |         |
| 5,300.00                                | 5,191.68            | 5,187.68            | 5,187.68            | 26.30           | 179.39      | -162.94               | 171.54                            | -8,361.48  | 9,328.87             | 9,125.15              | 203.72                  | 45.793            |                    |         |
| 5,400.00                                | 5,289.32            | 5,285.32            | 5,285.32            | 26.81           | 182.79      | -162.98               | 171.54                            | -8,361.48  | 9,349.58             | 9,141.99              | 207.59                  | 45.039            |                    |         |
| 5,500.00                                | 5,386.95            | 5,382.95            | 5,382.95            | 27.32           | 186.20      | -163.01               | 171.54                            | -8,361.48  | 9,370.28             | 9,158.82              | 211.46                  | 44.312            |                    |         |
| 5,600.00                                | 5,484.59            | 5,480.59            | 5,480.59            | 27.83           | 189.61      | -163.05               | 171.54                            | -8,361.48  | 9,390.99             | 9,175.66              | 215.33                  | 43.612            |                    |         |
| 5,700.00                                | 5,582.23            | 5,578.23            | 5,578.23            | 28.33           | 193.02      | -163.09               | 171.54                            | -8,361.48  | 9,411.71             | 9,192.50              | 219.20                  | 42.936            |                    |         |
| 5,800.00                                | 5,679.87            | 5,675.87            | 5,675.87            | 28.84           | 196.43      | -163.13               | 171.54                            | -8,361.48  | 9,432.43             | 9,209.35              | 223.08                  | 42.284            |                    |         |
| 5,900.00                                | 5,777.50            | 5,773.50            | 5,773.50            | 29.35           | 199.83      | -163.17               | 171.54                            | -8,361.48  | 9,453.15             | 9,226.20              | 226.95                  | 41.654            |                    |         |
| 6,000.00                                | 5,875.14            | 5,871.14            | 5,871.14            | 29.86           | 203.24      | -163.21               | 171.54                            | -8,361.48  | 9,473.88             | 9,243.06              | 230.82                  | 41.045            |                    |         |
| 6,100.00                                | 5,972.78            | 5,968.78            | 5,968.78            | 30.37           | 206.65      | -163.24               | 171.54                            | -8,361.48  | 9,494.61             | 9,259.92              | 234.69                  | 40.456            |                    |         |
| 6,200.00                                | 6,070.41            | 6,066.41            | 6,066.41            | 30.88           | 210.06      | -163.28               | 171.54                            | -8,361.48  | 9,515.34             | 9,276.78              | 238.56                  | 39.886            |                    |         |
| 6,300.00                                | 6,168.05            | 6,164.05            | 6,164.05            | 31.39           | 213.47      | -163.32               | 171.54                            | -8,361.48  | 9,536.08             | 9,293.64              | 242.44                  | 39.335            |                    |         |
| 6,400.00                                | 6,265.69            | 6,261.69            | 6,261.69            | 31.90           | 216.88      | -163.35               | 171.54                            | -8,361.48  | 9,556.82             | 9,310.51              | 246.31                  | 38.800            |                    |         |
| 6,439.09                                | 6,303.85            | 6,300.15            | 6,299.85            | 32.10           | 218.22      | -163.37               | 171.54                            | -8,361.48  | 9,564.93             | 9,317.10              | 247.83                  | 38.594            |                    |         |
| 6,450.00                                | 6,314.53            | 6,310.53            | 6,310.53            | 32.16           | 218.58      | -161.90               | 171.54                            | -8,361.48  | 9,567.10             | 9,318.86              | 248.24                  | 38.539            |                    |         |
| 6,500.00                                | 6,363.83            | 6,359.83            | 6,359.83            | 32.39           | 220.30      | -150.49               | 171.54                            | -8,361.48  | 9,574.70             | 9,324.51              | 250.19                  | 38.270            |                    |         |
| 6,550.00                                | 6,413.58            | 6,409.58            | 6,409.58            | 32.60           | 222.04      | -117.92               | 171.54                            | -8,361.48  | 9,578.40             | 9,326.26              | 252.14                  | 37.989            |                    |         |
| 6,600.00                                | 6,463.45            | 6,459.45            | 6,459.45            | 32.79           | 223.78      | -57.11                | 171.54                            | -8,361.48  | 9,578.18             | 9,324.11              | 254.07                  | 37.699            |                    |         |
| 6,650.00                                | 6,513.15            | 6,509.15            | 6,509.15            | 32.97           | 225.51      | -29.63                | 171.54                            | -8,361.48  | 9,574.04             | 9,318.06              | 255.98                  | 37.402            |                    |         |
| 6,700.00                                | 6,562.37            | 6,558.37            | 6,558.37            | 33.15           | 227.23      | -19.66                | 171.54                            | -8,361.48  | 9,566.01             | 9,308.16              | 257.85                  | 37.100            |                    |         |
| 6,750.00                                | 6,610.80            | 6,606.80            | 6,606.80            | 33.34           | 228.92      | -14.89                | 171.54                            | -8,361.48  | 9,554.13             | 9,294.46              | 259.67                  | 36.793            |                    |         |
| 6,800.00                                | 6,658.14            | 6,654.14            | 6,654.14            | 33.53           | 230.57      | -12.16                | 171.54                            | -8,361.48  | 9,538.48             | 9,277.04              | 261.44                  | 36.484            |                    |         |
| 6,850.00                                | 6,704.11            | 6,700.11            | 6,700.11            | 33.74           | 232.18      | -10.44                | 171.54                            | -8,361.48  | 9,519.16             | 9,256.02              | 263.15                  | 36.175            |                    |         |
| 6,900.00                                | 6,748.42            | 6,744.42            | 6,744.42            | 33.97           | 233.73      | -9.28                 | 171.54                            | -8,361.48  | 9,496.28             | 9,231.51              | 264.77                  | 35.866            |                    |         |
| 6,950.00                                | 6,790.79            | 6,786.79            | 6,786.79            | 34.21           | 235.20      | -8.49                 | 171.54                            | -8,361.48  | 9,469.99             | 9,203.67              | 266.32                  | 35.559            |                    |         |
| 7,000.00                                | 6,830.97            | 6,826.97            | 6,826.97            | 34.48           | 236.61      | -7.93                 | 171.54                            | -8,361.48  | 9,440.45             | 9,172.68              | 267.77                  | 35.256            |                    |         |
| 7,050.00                                | 6,868.71            | 6,864.71            | 6,864.71            | 34.77           | 237.92      | -7.56                 | 171.54                            | -8,361.48  | 9,407.84             | 9,138.71              | 269.12                  | 34.957            |                    |         |
| 7,100.00                                | 6,903.77            | 6,900.24            | 6,899.77            | 35.09           | 239.16      | -7.35                 | 171.54                            | -8,361.48  | 9,372.36             | 9,101.97              | 270.39                  | 34.663            |                    |         |
| 7,150.00                                | 6,935.93            | 6,931.93            | 6,931.93            | 35.44           | 240.27      | -7.26                 | 171.54                            | -8,361.48  | 9,334.22             | 9,062.72              | 271.50                  | 34.380            |                    |         |
| 7,200.00                                | 6,965.01            | 6,961.01            | 6,961.01            | 35.83           | 241.29      | -7.31                 | 171.54                            | -8,361.48  | 9,293.68             | 9,021.16              | 272.52                  | 34.103            |                    |         |
| 7,250.00                                | 6,990.82            | 6,986.82            | 6,986.82            | 36.26           | 242.19      | -7.52                 | 171.54                            | -8,361.48  | 9,250.96             | 8,977.55              | 273.41                  | 33.835            |                    |         |
| 7,300.00                                | 7,013.20            | 7,009.20            | 7,009.20            | 36.72           | 242.97      | -7.93                 | 171.54                            | -8,361.48  | 9,206.35             | 8,932.17              | 274.18                  | 33.577            |                    |         |
| 7,350.00                                | 7,032.02            | 7,028.02            | 7,028.02            | 37.23           | 243.63      | -8.64                 | 171.54                            | -8,361.48  | 9,160.11             | 8,885.28              | 274.82                  | 33.331            |                    |         |
| 7,400.00                                | 7,047.15            | 7,043.15            | 7,043.15            | 37.77           | 244.15      | -9.87                 | 171.54                            | -8,361.48  | 9,112.52             | 8,837.19              | 275.34                  | 33.096            |                    |         |
| 7,450.00                                | 7,058.51            | 7,054.51            | 7,054.51            | 38.34           | 244.55      | -12.20                | 171.54                            | -8,361.48  | 9,063.89             | 8,788.17              | 275.72                  | 32.874            |                    |         |
| 7,500.00                                | 7,066.02            | 7,062.02            | 7,062.02            | 38.95           | 244.81      | -17.77                | 171.54                            | -8,361.48  | 9,014.51             | 8,738.54              | 275.97                  | 32.665            |                    |         |
| 7,550.00                                | 7,069.64            | 7,065.64            | 7,065.64            | 39.58           | 244.94      | -42.63                | 171.54                            | -8,361.48  | 8,964.68             | 8,688.59              | 276.09                  | 32.471            |                    |         |
| 7,571.20                                | 7,070.00            | 7,066.00            | 7,066.00            | 39.85           | 244.95      | -89.82                | 171.54                            | -8,361.48  | 8,943.49             | 8,667.40              | 276.10                  | 32.393            |                    |         |
| 7,600.00                                | 7,070.00            | 7,066.00            | 7,066.00            | 40.23           | 244.95      | -89.82                | 171.54                            | -8,361.48  | 8,914.70             | 8,638.61              | 276.10                  | 32.288            |                    |         |
| 7,700.00                                | 7,070.01            | 7,066.01            | 7,066.01            | 41.64           | 244.95      | -89.82                | 171.54                            | -8,361.48  | 8,814.74             | 8,538.65              | 276.10                  | 31.926            |                    |         |
| 7,800.00                                | 7,070.02            | 7,066.02            | 7,066.02            | 43.20           | 244.95      | -89.83                | 171.54                            | -8,361.48  | 8,714.79             | 8,438.69              | 276.10                  | 31.564            |                    |         |
| 7,900.00                                | 7,070.03            | 7,066.03            | 7,066.03            | 44.89           | 244.95      | -89.83                | 171.54                            | -8,361.48  | 8,614.83             | 8,338.73              | 276.10                  | 31.202            |                    |         |
| 8,000.00                                | 7,070.04            | 7,066.04            | 7,066.04            | 46.69           | 244.95      | -89.83                | 171.54                            | -8,361.48  | 8,514.87             | 8,238.77              | 276.11                  | 30.839            |                    |         |
| 8,100.00                                | 7,070.05            | 7,066.05            | 7,066.05            | 48.60           | 244.95      | -89.83                | 171.54                            | -8,361.48  | 8,414.92             | 8,138.81              | 276.11                  | 30.476            |                    |         |
| 8,200.00                                | 7,070.05            | 7,066.05            | 7,066.05            | 50.59           | 244.95      | -89.83                | 171.54                            | -8,361.48  | 8,314.97             | 8,038.85              | 276.12                  | 30.114            |                    |         |
| 8,300.00                                | 7,070.06            | 7,066.06            | 7,066.06            | 52.66           | 244.95      | -89.84                | 171.54                            | -8,361.48  | 8,215.01             | 7,938.88              | 276.13                  | 29.751            |                    |         |
| 8,400.00                                | 7,070.07            | 7,066.07            | 7,066.07            | 54.81           | 244.95      | -89.84                | 171.54                            | -8,361.48  | 8,115.06             | 7,838.92              | 276.14                  | 29.388            |                    |         |
| 8,500.00                                | 7,070.08            | 7,066.08            | 7,066.08            | 57.02           | 244.95      | -89.84                | 171.54                            | -8,361.48  | 8,015.11             | 7,738.96              | 276.15                  | 29.024            |                    |         |
| 8,600.00                                | 7,070.09            | 7,066.09            | 7,066.09            | 59.28           | 244.95      | -89.84                | 171.54                            | -8,361.48  | 7,915.16             | 7,639.00              | 276.16                  | 28.661            |                    |         |
| 8,700.00                                | 7,070.10            | 7,066.10            | 7,066.10            | 61.60           | 244.95      | -89.84                | 171.54                            | -8,361.48  | 7,815.22             | 7,539.04              | 276.18                  | 28.298            |                    |         |
| 8,800.00                                | 7,070.11            | 7,066.11            | 7,066.11            | 63.95           | 244.95      | -89.85                | 171.54                            | -8,361.48  | 7,715.27             | 7,439.07              | 276.20                  | 27.934            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-2° Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,900.00                                | 7,070.12            | 7,066.12            | 7,066.12            | 66.35           | 244.96      | -89.85                | 171.54                            | -8,361.48  | 7,615.32             | 7,339.11              | 276.22                  | 27.570            |                    |         |
| 9,000.00                                | 7,070.13            | 7,066.13            | 7,066.13            | 68.79           | 244.96      | -89.85                | 171.54                            | -8,361.48  | 7,515.38             | 7,239.15              | 276.24                  | 27.206            |                    |         |
| 9,100.00                                | 7,070.13            | 7,066.13            | 7,066.13            | 71.25           | 244.96      | -89.85                | 171.54                            | -8,361.48  | 7,415.44             | 7,139.18              | 276.26                  | 26.842            |                    |         |
| 9,200.00                                | 7,070.14            | 7,066.14            | 7,066.14            | 73.74           | 244.96      | -89.85                | 171.54                            | -8,361.48  | 7,315.50             | 7,039.22              | 276.28                  | 26.478            |                    |         |
| 9,300.00                                | 7,070.15            | 7,066.15            | 7,066.15            | 76.26           | 244.96      | -89.86                | 171.54                            | -8,361.48  | 7,215.56             | 6,939.25              | 276.31                  | 26.114            |                    |         |
| 9,400.00                                | 7,070.16            | 7,066.16            | 7,066.16            | 78.80           | 244.96      | -89.86                | 171.54                            | -8,361.48  | 7,115.62             | 6,839.29              | 276.34                  | 25.750            |                    |         |
| 9,500.00                                | 7,070.17            | 7,066.17            | 7,066.17            | 81.37           | 244.96      | -89.86                | 171.54                            | -8,361.48  | 7,015.69             | 6,739.32              | 276.37                  | 25.385            |                    |         |
| 9,600.00                                | 7,070.18            | 7,066.18            | 7,066.18            | 83.95           | 244.96      | -89.86                | 171.54                            | -8,361.48  | 6,915.76             | 6,639.36              | 276.40                  | 25.021            |                    |         |
| 9,700.00                                | 7,070.19            | 7,066.19            | 7,066.19            | 86.55           | 244.96      | -89.86                | 171.54                            | -8,361.48  | 6,815.83             | 6,539.39              | 276.43                  | 24.656            |                    |         |
| 9,800.00                                | 7,070.20            | 7,066.20            | 7,066.20            | 89.17           | 244.96      | -89.87                | 171.54                            | -8,361.48  | 6,715.90             | 6,439.43              | 276.47                  | 24.292            |                    |         |
| 9,900.00                                | 7,070.21            | 7,066.21            | 7,066.21            | 91.80           | 244.96      | -89.87                | 171.54                            | -8,361.48  | 6,615.97             | 6,339.46              | 276.51                  | 23.927            |                    |         |
| 10,000.00                               | 7,070.21            | 7,066.21            | 7,066.21            | 94.44           | 244.96      | -89.87                | 171.54                            | -8,361.48  | 6,516.05             | 6,239.50              | 276.55                  | 23.562            |                    |         |
| 10,100.00                               | 7,070.22            | 7,066.22            | 7,066.22            | 97.10           | 244.96      | -89.87                | 171.54                            | -8,361.48  | 6,416.12             | 6,139.53              | 276.59                  | 23.197            |                    |         |
| 10,200.00                               | 7,070.23            | 7,066.23            | 7,066.23            | 99.77           | 244.96      | -89.87                | 171.54                            | -8,361.48  | 6,316.20             | 6,039.57              | 276.64                  | 22.832            |                    |         |
| 10,300.00                               | 7,070.24            | 7,066.24            | 7,066.24            | 102.44          | 244.96      | -89.88                | 171.54                            | -8,361.48  | 6,216.29             | 5,939.60              | 276.69                  | 22.467            |                    |         |
| 10,400.00                               | 7,070.25            | 7,066.25            | 7,066.25            | 105.13          | 244.96      | -89.88                | 171.54                            | -8,361.48  | 6,116.37             | 5,839.63              | 276.74                  | 22.102            |                    |         |
| 10,500.00                               | 7,070.26            | 7,066.26            | 7,066.26            | 107.83          | 244.96      | -89.88                | 171.54                            | -8,361.48  | 6,016.46             | 5,739.67              | 276.79                  | 21.736            |                    |         |
| 10,600.00                               | 7,070.27            | 7,066.27            | 7,066.27            | 110.53          | 244.96      | -89.88                | 171.54                            | -8,361.48  | 5,916.55             | 5,639.70              | 276.85                  | 21.371            |                    |         |
| 10,700.00                               | 7,070.28            | 7,066.28            | 7,066.28            | 113.24          | 244.96      | -89.88                | 171.54                            | -8,361.48  | 5,816.65             | 5,539.74              | 276.91                  | 21.006            |                    |         |
| 10,800.00                               | 7,070.28            | 7,066.28            | 7,066.28            | 115.96          | 244.96      | -89.89                | 171.54                            | -8,361.48  | 5,716.74             | 5,439.77              | 276.97                  | 20.640            |                    |         |
| 10,900.00                               | 7,070.29            | 7,066.29            | 7,066.29            | 118.69          | 244.96      | -89.89                | 171.54                            | -8,361.48  | 5,616.84             | 5,339.81              | 277.04                  | 20.275            |                    |         |
| 11,000.00                               | 7,070.30            | 7,066.30            | 7,066.30            | 121.42          | 244.96      | -89.89                | 171.54                            | -8,361.48  | 5,516.95             | 5,239.84              | 277.11                  | 19.909            |                    |         |
| 11,100.00                               | 7,070.31            | 7,066.31            | 7,066.31            | 124.16          | 244.96      | -89.89                | 171.54                            | -8,361.48  | 5,417.06             | 5,139.87              | 277.18                  | 19.543            |                    |         |
| 11,200.00                               | 7,070.32            | 7,066.32            | 7,066.32            | 126.90          | 244.96      | -89.89                | 171.54                            | -8,361.48  | 5,317.17             | 5,039.91              | 277.26                  | 19.177            |                    |         |
| 11,300.00                               | 7,070.33            | 7,066.33            | 7,066.33            | 129.65          | 244.96      | -89.90                | 171.54                            | -8,361.48  | 5,217.29             | 4,939.94              | 277.34                  | 18.812            |                    |         |
| 11,400.00                               | 7,070.34            | 7,066.34            | 7,066.34            | 132.40          | 244.96      | -89.90                | 171.54                            | -8,361.48  | 5,117.41             | 4,839.98              | 277.43                  | 18.446            |                    |         |
| 11,500.00                               | 7,070.35            | 7,066.35            | 7,066.35            | 135.16          | 244.96      | -89.90                | 171.54                            | -8,361.48  | 5,017.54             | 4,740.01              | 277.52                  | 18.080            |                    |         |
| 11,600.00                               | 7,070.36            | 7,066.36            | 7,066.36            | 137.92          | 244.96      | -89.90                | 171.54                            | -8,361.48  | 4,917.67             | 4,640.05              | 277.62                  | 17.713            |                    |         |
| 11,700.00                               | 7,070.36            | 7,066.36            | 7,066.36            | 140.69          | 244.96      | -89.90                | 171.54                            | -8,361.48  | 4,817.81             | 4,540.08              | 277.73                  | 17.347            |                    |         |
| 11,800.00                               | 7,070.37            | 7,066.37            | 7,066.37            | 143.46          | 244.96      | -89.91                | 171.54                            | -8,361.48  | 4,717.95             | 4,440.11              | 277.84                  | 16.981            |                    |         |
| 11,900.00                               | 7,070.38            | 7,066.38            | 7,066.38            | 146.23          | 244.96      | -89.91                | 171.54                            | -8,361.48  | 4,618.10             | 4,340.15              | 277.95                  | 16.615            |                    |         |
| 12,000.00                               | 7,070.39            | 7,066.39            | 7,066.39            | 149.01          | 244.96      | -89.91                | 171.54                            | -8,361.48  | 4,518.25             | 4,240.18              | 278.08                  | 16.248            |                    |         |
| 12,100.00                               | 7,070.40            | 7,066.40            | 7,066.40            | 151.79          | 244.96      | -89.91                | 171.54                            | -8,361.48  | 4,418.42             | 4,140.21              | 278.21                  | 15.882            |                    |         |
| 12,200.00                               | 7,070.41            | 7,066.41            | 7,066.41            | 154.57          | 244.97      | -89.91                | 171.54                            | -8,361.48  | 4,318.59             | 4,040.24              | 278.35                  | 15.515            |                    |         |
| 12,300.00                               | 7,070.42            | 7,066.42            | 7,066.42            | 157.35          | 244.97      | -89.92                | 171.54                            | -8,361.48  | 4,218.77             | 3,940.27              | 278.49                  | 15.149            |                    |         |
| 12,400.00                               | 7,070.43            | 7,066.43            | 7,066.43            | 160.14          | 244.97      | -89.92                | 171.54                            | -8,361.48  | 4,118.95             | 3,840.30              | 278.65                  | 14.782            |                    |         |
| 12,500.00                               | 7,070.44            | 7,066.44            | 7,066.44            | 162.93          | 244.97      | -89.92                | 171.54                            | -8,361.48  | 4,019.15             | 3,740.33              | 278.82                  | 14.415            |                    |         |
| 12,600.00                               | 7,070.44            | 7,066.44            | 7,066.44            | 165.72          | 244.97      | -89.92                | 171.54                            | -8,361.48  | 3,919.36             | 3,640.35              | 279.00                  | 14.048            |                    |         |
| 12,700.00                               | 7,070.45            | 7,066.45            | 7,066.45            | 168.52          | 244.97      | -89.92                | 171.54                            | -8,361.48  | 3,819.57             | 3,540.38              | 279.19                  | 13.681            |                    |         |
| 12,800.00                               | 7,070.46            | 7,066.46            | 7,066.46            | 171.32          | 244.97      | -89.93                | 171.54                            | -8,361.48  | 3,719.80             | 3,440.40              | 279.40                  | 13.313            |                    |         |
| 12,900.00                               | 7,070.47            | 7,066.47            | 7,066.47            | 174.11          | 244.97      | -89.93                | 171.54                            | -8,361.48  | 3,620.04             | 3,340.42              | 279.63                  | 12.946            |                    |         |
| 13,000.00                               | 7,070.48            | 7,066.48            | 7,066.48            | 176.92          | 244.97      | -89.93                | 171.54                            | -8,361.48  | 3,520.30             | 3,240.43              | 279.87                  | 12.578            |                    |         |
| 13,100.00                               | 7,070.49            | 7,066.49            | 7,066.49            | 179.72          | 244.97      | -89.93                | 171.54                            | -8,361.48  | 3,420.57             | 3,140.44              | 280.13                  | 12.211            |                    |         |
| 13,200.00                               | 7,070.50            | 7,066.50            | 7,066.50            | 182.52          | 244.97      | -89.93                | 171.54                            | -8,361.48  | 3,320.85             | 3,040.44              | 280.41                  | 11.843            |                    |         |
| 13,300.00                               | 7,070.51            | 7,066.51            | 7,066.51            | 185.33          | 244.97      | -89.94                | 171.54                            | -8,361.48  | 3,221.16             | 2,940.44              | 280.72                  | 11.475            |                    |         |
| 13,400.00                               | 7,070.52            | 7,066.52            | 7,066.52            | 188.14          | 244.97      | -89.94                | 171.54                            | -8,361.48  | 3,121.48             | 2,840.43              | 281.05                  | 11.107            |                    |         |
| 13,500.00                               | 7,070.52            | 7,066.52            | 7,066.52            | 190.95          | 244.97      | -89.94                | 171.54                            | -8,361.48  | 3,021.83             | 2,740.41              | 281.41                  | 10.738            |                    |         |
| 13,600.00                               | 7,070.53            | 7,066.53            | 7,066.53            | 193.76          | 244.97      | -89.94                | 171.54                            | -8,361.48  | 2,922.20             | 2,640.38              | 281.81                  | 10.369            |                    |         |
| 13,700.00                               | 7,070.54            | 7,066.54            | 7,066.54            | 196.57          | 244.97      | -89.94                | 171.54                            | -8,361.48  | 2,822.59             | 2,540.34              | 282.25                  | 10.000            |                    |         |
| 13,800.00                               | 7,070.55            | 7,066.55            | 7,066.55            | 199.38          | 244.97      | -89.95                | 171.54                            | -8,361.48  | 2,723.01             | 2,440.29              | 282.73                  | 9.631             |                    |         |
| 13,900.00                               | 7,070.56            | 7,066.56            | 7,066.56            | 202.20          | 244.97      | -89.95                | 171.54                            | -8,361.48  | 2,623.47             | 2,340.21              | 283.26                  | 9.262             |                    |         |
| 14,000.00                               | 7,070.57            | 7,066.57            | 7,066.57            | 205.01          | 244.97      | -89.95                | 171.54                            | -8,361.48  | 2,523.96             | 2,240.11              | 283.85                  | 8.892             |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design                           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                           | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|---------------------------|--------------------|---------|
| Survey Program: 100-2" Cone@2.448 Sigma |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                           | Offset Well Error: | 3.28 ft |
| Reference                               |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                           | Warning            |         |
| Measured Depth (ft)                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor         |                    |         |
| 14,100.00                               | 7,070.58            | 7,066.58            | 7,066.58            | 207.83          | 244.97      | -89.95                | 171.54                            | -8,361.48  | 2,424.49             | 2,139.99              | 284.50                  | 8.522                     |                    |         |
| 14,200.00                               | 7,070.59            | 7,066.59            | 7,066.59            | 210.65          | 244.97      | -89.95                | 171.54                            | -8,361.48  | 2,325.07             | 2,039.84              | 285.23                  | 8.151                     |                    |         |
| 14,300.00                               | 7,070.60            | 7,066.60            | 7,066.60            | 213.47          | 244.97      | -89.96                | 171.54                            | -8,361.48  | 2,225.70             | 1,939.65              | 286.05                  | 7.781                     |                    |         |
| 14,400.00                               | 7,070.60            | 7,066.60            | 7,066.60            | 216.29          | 244.97      | -89.96                | 171.54                            | -8,361.48  | 2,126.39             | 1,839.42              | 286.97                  | 7.410                     |                    |         |
| 14,500.00                               | 7,070.61            | 7,066.61            | 7,066.61            | 219.11          | 244.97      | -89.96                | 171.54                            | -8,361.48  | 2,027.15             | 1,739.13              | 288.02                  | 7.038                     |                    |         |
| 14,600.00                               | 7,070.62            | 7,066.62            | 7,066.62            | 221.94          | 244.97      | -89.96                | 171.54                            | -8,361.48  | 1,927.98             | 1,638.78              | 289.20                  | 6.667                     |                    |         |
| 14,700.00                               | 7,070.63            | 7,066.63            | 7,066.63            | 224.76          | 244.97      | -89.96                | 171.54                            | -8,361.48  | 1,828.91             | 1,538.36              | 290.55                  | 6.295                     |                    |         |
| 14,800.00                               | 7,070.64            | 7,066.64            | 7,066.64            | 227.58          | 244.97      | -89.97                | 171.54                            | -8,361.48  | 1,729.94             | 1,437.84              | 292.10                  | 5.922                     |                    |         |
| 14,900.00                               | 7,070.65            | 7,066.65            | 7,066.65            | 230.41          | 244.97      | -89.97                | 171.54                            | -8,361.48  | 1,631.10             | 1,337.21              | 293.89                  | 5.550                     |                    |         |
| 15,000.00                               | 7,070.66            | 7,066.66            | 7,066.66            | 233.24          | 244.97      | -89.97                | 171.54                            | -8,361.48  | 1,532.41             | 1,236.44              | 295.97                  | 5.178                     |                    |         |
| 15,100.00                               | 7,070.67            | 7,066.67            | 7,066.67            | 236.06          | 244.97      | -89.97                | 171.54                            | -8,361.48  | 1,433.90             | 1,135.50              | 298.40                  | 4.805                     |                    |         |
| 15,200.00                               | 7,070.68            | 7,066.68            | 7,066.68            | 238.89          | 244.97      | -89.97                | 171.54                            | -8,361.48  | 1,335.61             | 1,034.35              | 301.26                  | 4.433                     |                    |         |
| 15,300.00                               | 7,070.68            | 7,066.68            | 7,066.68            | 241.72          | 244.97      | -89.98                | 171.54                            | -8,361.48  | 1,237.59             | 932.93                | 304.66                  | 4.062                     |                    |         |
| 15,400.00                               | 7,070.69            | 7,066.69            | 7,066.69            | 244.55          | 244.98      | -89.98                | 171.54                            | -8,361.48  | 1,139.92             | 831.18                | 308.74                  | 3.692                     |                    |         |
| 15,500.00                               | 7,070.70            | 7,066.70            | 7,066.70            | 247.38          | 244.98      | -89.98                | 171.54                            | -8,361.48  | 1,042.70             | 729.00                | 313.69                  | 3.324                     |                    |         |
| 15,600.00                               | 7,070.71            | 7,066.71            | 7,066.71            | 250.21          | 244.98      | -89.98                | 171.54                            | -8,361.48  | 946.05               | 626.28                | 319.77                  | 2.959                     |                    |         |
| 15,700.00                               | 7,070.72            | 7,066.72            | 7,066.72            | 253.04          | 244.98      | -89.98                | 171.54                            | -8,361.48  | 850.17               | 522.84                | 327.33                  | 2.597                     |                    |         |
| 15,800.00                               | 7,070.73            | 7,066.73            | 7,066.73            | 255.87          | 244.98      | -89.99                | 171.54                            | -8,361.48  | 755.37               | 418.46                | 336.90                  | 2.242                     |                    |         |
| 15,900.00                               | 7,070.74            | 7,066.74            | 7,066.74            | 258.71          | 244.98      | -89.99                | 171.54                            | -8,361.48  | 662.09               | 312.86                | 349.23                  | 1.896                     |                    |         |
| 16,000.00                               | 7,070.75            | 7,066.75            | 7,066.75            | 261.54          | 244.98      | -89.99                | 171.54                            | -8,361.48  | 571.10               | 205.68                | 365.42                  | 1.563                     |                    |         |
| 16,100.00                               | 7,070.76            | 7,066.76            | 7,066.76            | 264.37          | 244.98      | -89.99                | 171.54                            | -8,361.48  | 483.68               | 96.61                 | 387.06                  | 1.250 Level 2             |                    |         |
| 16,200.00                               | 7,070.76            | 7,066.76            | 7,066.76            | 267.21          | 244.98      | -89.99                | 171.54                            | -8,361.48  | 402.16               | -13.99                | 416.16                  | 0.966 Level 1             |                    |         |
| 16,300.00                               | 7,070.77            | 7,066.77            | 7,066.77            | 270.04          | 244.98      | -90.00                | 171.54                            | -8,361.48  | 330.94               | -122.95               | 453.89                  | 0.729 Level 1             |                    |         |
| 16,400.00                               | 7,070.78            | 7,066.78            | 7,066.78            | 272.88          | 244.98      | -90.00                | 171.54                            | -8,361.48  | 278.05               | -217.31               | 495.36                  | 0.561 Level 1             |                    |         |
| 16,500.00                               | 7,070.79            | 7,066.79            | 7,066.79            | 275.71          | 244.98      | -90.00                | 171.54                            | -8,361.48  | 255.15               | -265.27               | 520.42                  | 0.490 Level 1             |                    |         |
| 16,511.06                               | 7,070.79            | 7,066.79            | 7,066.79            | 276.03          | 244.98      | -90.00                | 171.54                            | -8,361.48  | 254.91               | -266.10               | 521.01                  | 0.489 Level 1, CC, ES, SF |                    |         |
| 16,600.00                               | 7,070.80            | 7,066.80            | 7,066.80            | 278.55          | 244.98      | -90.00                | 171.54                            | -8,361.48  | 269.98               | -238.41               | 508.39                  | 0.531 Level 1             |                    |         |
| 16,700.00                               | 7,070.81            | 7,066.81            | 7,066.81            | 281.39          | 244.98      | -90.00                | 171.54                            | -8,361.48  | 317.30               | -155.00               | 472.29                  | 0.672 Level 1             |                    |         |
| 16,800.00                               | 7,070.82            | 7,066.82            | 7,066.82            | 284.22          | 244.98      | -90.01                | 171.54                            | -8,361.48  | 385.31               | -49.92                | 435.24                  | 0.885 Level 1             |                    |         |
| 16,900.00                               | 7,070.83            | 7,066.83            | 7,066.83            | 287.06          | 244.98      | -90.01                | 171.54                            | -8,361.48  | 465.03               | 59.52                 | 405.52                  | 1.147 Level 2             |                    |         |
| 17,000.00                               | 7,070.84            | 7,066.84            | 7,066.84            | 289.90          | 244.98      | -90.01                | 171.54                            | -8,361.48  | 551.40               | 168.30                | 383.10                  | 1.439 Level 3             |                    |         |
| 17,100.00                               | 7,070.84            | 7,066.84            | 7,066.84            | 292.74          | 244.98      | -90.01                | 171.54                            | -8,361.48  | 641.74               | 275.50                | 366.24                  | 1.752                     |                    |         |
| 17,200.00                               | 7,070.85            | 7,066.85            | 7,066.85            | 295.58          | 244.98      | -90.01                | 171.54                            | -8,361.48  | 734.59               | 381.22                | 353.36                  | 2.079                     |                    |         |
| 17,300.00                               | 7,070.86            | 7,066.86            | 7,066.86            | 298.42          | 244.98      | -90.02                | 171.54                            | -8,361.48  | 829.10               | 485.75                | 343.35                  | 2.415                     |                    |         |
| 17,400.00                               | 7,070.87            | 7,066.87            | 7,066.87            | 301.26          | 244.98      | -90.02                | 171.54                            | -8,361.48  | 924.77               | 589.36                | 335.41                  | 2.757                     |                    |         |
| 17,500.00                               | 7,070.88            | 7,066.88            | 7,066.88            | 304.10          | 244.98      | -90.02                | 171.54                            | -8,361.48  | 1,021.27             | 692.25                | 329.02                  | 3.104                     |                    |         |
| 17,600.00                               | 7,070.89            | 7,066.89            | 7,066.89            | 306.94          | 244.98      | -90.02                | 171.54                            | -8,361.48  | 1,118.38             | 794.59                | 323.79                  | 3.454                     |                    |         |
| 17,700.00                               | 7,070.90            | 7,066.90            | 7,066.90            | 309.78          | 244.98      | -90.02                | 171.54                            | -8,361.48  | 1,215.96             | 896.50                | 319.46                  | 3.806                     |                    |         |
| 17,800.00                               | 7,070.91            | 7,066.91            | 7,066.91            | 312.62          | 244.98      | -90.03                | 171.54                            | -8,361.48  | 1,313.91             | 998.07                | 315.83                  | 4.160                     |                    |         |
| 17,900.00                               | 7,070.92            | 7,066.92            | 7,066.92            | 315.46          | 244.98      | -90.03                | 171.54                            | -8,361.48  | 1,412.14             | 1,099.37              | 312.77                  | 4.515                     |                    |         |
| 18,000.00                               | 7,070.92            | 7,066.92            | 7,066.92            | 318.31          | 244.98      | -90.03                | 171.54                            | -8,361.48  | 1,510.61             | 1,200.45              | 310.15                  | 4.871                     |                    |         |
| 18,100.00                               | 7,070.93            | 7,066.93            | 7,066.93            | 321.15          | 244.98      | -90.03                | 171.54                            | -8,361.48  | 1,609.26             | 1,301.36              | 307.90                  | 5.226                     |                    |         |
| 18,200.00                               | 7,070.94            | 7,066.94            | 7,066.94            | 323.99          | 244.98      | -90.03                | 171.54                            | -8,361.48  | 1,708.07             | 1,402.11              | 305.96                  | 5.583                     |                    |         |
| 18,300.00                               | 7,070.95            | 7,066.95            | 7,066.95            | 326.83          | 244.98      | -90.04                | 171.54                            | -8,361.48  | 1,807.01             | 1,502.74              | 304.27                  | 5.939                     |                    |         |
| 18,400.00                               | 7,070.96            | 7,066.96            | 7,066.96            | 329.68          | 244.98      | -90.04                | 171.54                            | -8,361.48  | 1,906.06             | 1,603.27              | 302.79                  | 6.295                     |                    |         |
| 18,500.00                               | 7,070.97            | 7,066.97            | 7,066.97            | 332.52          | 244.98      | -90.04                | 171.54                            | -8,361.48  | 2,005.21             | 1,703.72              | 301.49                  | 6.651                     |                    |         |
| 18,600.00                               | 7,070.98            | 7,066.98            | 7,066.98            | 335.36          | 244.99      | -90.04                | 171.54                            | -8,361.48  | 2,104.44             | 1,804.10              | 300.34                  | 7.007                     |                    |         |
| 18,700.00                               | 7,070.99            | 7,066.99            | 7,066.99            | 338.21          | 244.99      | -90.04                | 171.54                            | -8,361.48  | 2,203.74             | 1,904.41              | 299.33                  | 7.362                     |                    |         |
| 18,800.00                               | 7,070.99            | 7,066.99            | 7,066.99            | 341.05          | 244.99      | -90.05                | 171.54                            | -8,361.48  | 2,303.09             | 2,004.67              | 298.42                  | 7.718                     |                    |         |
| 18,858.54                               | 7,071.00            | 7,067.00            | 7,067.00            | 342.72          | 244.99      | -90.05                | 171.54                            | -8,361.48  | 2,361.28             | 2,063.34              | 297.94                  | 7.925                     |                    |         |



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 0.00                        | 0.00                | 0.00                | 0.00                | 3.28            | 3.28        | 33.85                 | 1,427.00                          | 957.15     | 1,718.51             |                       |                         |                   |                    |         |
| 100.00                      | 100.00              | 67.27               | 67.27               | 3.28            | 3.28        | 33.85                 | 1,427.18                          | 957.06     | 1,718.38             | 1,711.81              | 6.57                    | 261.630           |                    |         |
| 200.00                      | 200.00              | 172.06              | 172.05              | 3.34            | 3.32        | 33.82                 | 1,427.83                          | 956.56     | 1,718.63             | 1,711.97              | 6.66                    | 258.092           |                    |         |
| 300.00                      | 300.00              | 274.17              | 274.16              | 3.44            | 3.42        | 33.80                 | 1,428.06                          | 955.98     | 1,718.50             | 1,711.64              | 6.86                    | 250.398           |                    |         |
| 400.00                      | 399.98              | 370.64              | 370.63              | 3.60            | 3.56        | -38.76                | 1,428.13                          | 955.80     | 1,717.10             | 1,709.94              | 7.16                    | 239.921           |                    |         |
| 500.00                      | 499.84              | 469.14              | 469.13              | 3.80            | 3.74        | -38.93                | 1,428.41                          | 955.64     | 1,713.16             | 1,705.62              | 7.54                    | 227.210           |                    |         |
| 600.00                      | 599.45              | 571.87              | 571.86              | 4.04            | 3.97        | -39.21                | 1,428.56                          | 955.58     | 1,706.48             | 1,698.47              | 8.01                    | 213.017           |                    |         |
| 700.00                      | 698.70              | 670.98              | 670.97              | 4.32            | 4.22        | -39.58                | 1,428.50                          | 955.57     | 1,696.98             | 1,688.44              | 8.54                    | 198.681           |                    |         |
| 800.00                      | 797.47              | 765.57              | 765.56              | 4.63            | 4.49        | -40.07                | 1,428.63                          | 955.52     | 1,684.99             | 1,675.87              | 9.12                    | 184.845           |                    |         |
| 900.00                      | 895.62              | 863.21              | 863.21              | 4.97            | 4.78        | -40.67                | 1,428.91                          | 955.61     | 1,670.64             | 1,660.89              | 9.75                    | 171.375           |                    |         |
| 924.00                      | 919.08              | 887.19              | 887.19              | 5.06            | 4.86        | -40.84                | 1,428.95                          | 955.68     | 1,666.80             | 1,656.89              | 9.91                    | 168.175           |                    |         |
| 1,000.00                    | 993.28              | 965.27              | 965.26              | 5.34            | 5.11        | -41.22                | 1,428.95                          | 955.86     | 1,654.39             | 1,643.95              | 10.44                   | 158.521           |                    |         |
| 1,100.00                    | 1,090.92            | 1,067.50            | 1,067.49            | 5.73            | 5.45        | -41.73                | 1,428.75                          | 955.90     | 1,637.88             | 1,626.72              | 11.16                   | 146.820           |                    |         |
| 1,200.00                    | 1,188.56            | 1,164.67            | 1,164.66            | 6.15            | 5.78        | -42.23                | 1,428.40                          | 955.90     | 1,621.33             | 1,609.45              | 11.89                   | 136.393           |                    |         |
| 1,300.00                    | 1,286.19            | 1,263.43            | 1,263.42            | 6.57            | 6.14        | -42.74                | 1,428.09                          | 955.93     | 1,604.98             | 1,592.33              | 12.65                   | 126.896           |                    |         |
| 1,400.00                    | 1,383.83            | 1,360.48            | 1,360.47            | 7.01            | 6.49        | -43.25                | 1,427.63                          | 956.04     | 1,588.65             | 1,575.22              | 13.42                   | 118.350           |                    |         |
| 1,500.00                    | 1,481.47            | 1,455.38            | 1,455.36            | 7.46            | 6.84        | -43.75                | 1,427.30                          | 956.22     | 1,572.59             | 1,558.38              | 14.21                   | 110.684           |                    |         |
| 1,600.00                    | 1,579.10            | 1,553.06            | 1,553.04            | 7.91            | 7.21        | -44.29                | 1,427.14                          | 956.35     | 1,556.79             | 1,541.77              | 15.02                   | 103.673           |                    |         |
| 1,700.00                    | 1,676.74            | 1,650.89            | 1,650.88            | 8.37            | 7.59        | -44.84                | 1,426.96                          | 956.35     | 1,541.05             | 1,525.21              | 15.84                   | 97.302            |                    |         |
| 1,800.00                    | 1,774.38            | 1,749.78            | 1,749.76            | 8.84            | 7.97        | -45.41                | 1,426.75                          | 956.45     | 1,525.49             | 1,508.81              | 16.67                   | 91.491            |                    |         |
| 1,900.00                    | 1,872.02            | 1,851.58            | 1,851.57            | 9.31            | 8.37        | -46.00                | 1,426.24                          | 956.63     | 1,509.85             | 1,492.32              | 17.53                   | 86.137            |                    |         |
| 2,000.00                    | 1,969.65            | 1,951.37            | 1,951.36            | 9.79            | 8.76        | -46.59                | 1,425.57                          | 956.63     | 1,494.13             | 1,475.74              | 18.38                   | 81.270            |                    |         |
| 2,100.00                    | 2,067.29            | 2,049.68            | 2,049.66            | 10.27           | 9.16        | -47.18                | 1,424.86                          | 956.57     | 1,478.50             | 1,459.25              | 19.24                   | 76.831            |                    |         |
| 2,200.00                    | 2,164.93            | 2,148.78            | 2,148.76            | 10.75           | 9.55        | -47.80                | 1,424.15                          | 956.35     | 1,462.96             | 1,442.85              | 20.11                   | 72.743            |                    |         |
| 2,300.00                    | 2,262.56            | 2,248.83            | 2,248.81            | 11.24           | 9.96        | -48.45                | 1,423.46                          | 955.72     | 1,447.45             | 1,426.47              | 20.99                   | 68.965            |                    |         |
| 2,400.00                    | 2,360.20            | 2,347.02            | 2,346.99            | 11.73           | 10.35       | -49.11                | 1,422.72                          | 954.88     | 1,431.98             | 1,410.11              | 21.86                   | 65.494            |                    |         |
| 2,500.00                    | 2,457.84            | 2,441.75            | 2,441.71            | 12.22           | 10.74       | -49.77                | 1,422.09                          | 954.03     | 1,416.77             | 1,394.03              | 22.73                   | 62.318            |                    |         |
| 2,600.00                    | 2,555.48            | 2,534.85            | 2,534.81            | 12.71           | 11.12       | -50.43                | 1,421.76                          | 953.20     | 1,402.03             | 1,378.42              | 23.60                   | 59.398            |                    |         |
| 2,700.00                    | 2,653.11            | 2,628.26            | 2,628.21            | 13.20           | 11.50       | -51.11                | 1,421.73                          | 952.37     | 1,387.80             | 1,363.32              | 24.48                   | 56.695            |                    |         |
| 2,800.00                    | 2,750.75            | 2,723.69            | 2,723.65            | 13.70           | 11.89       | -51.81                | 1,421.90                          | 951.65     | 1,374.02             | 1,348.66              | 25.36                   | 54.175            |                    |         |
| 2,900.00                    | 2,848.39            | 2,822.38            | 2,822.32            | 14.19           | 12.30       | -52.56                | 1,422.07                          | 950.92     | 1,360.47             | 1,334.21              | 26.26                   | 51.807            |                    |         |
| 3,000.00                    | 2,946.02            | 2,921.89            | 2,921.84            | 14.69           | 12.71       | -53.32                | 1,422.13                          | 950.25     | 1,347.07             | 1,319.91              | 27.16                   | 49.590            |                    |         |
| 3,100.00                    | 3,043.66            | 3,025.09            | 3,025.04            | 15.19           | 13.14       | -54.11                | 1,421.77                          | 949.61     | 1,333.54             | 1,305.46              | 28.08                   | 47.487            |                    |         |
| 3,200.00                    | 3,141.30            | 3,121.89            | 3,121.83            | 15.69           | 13.54       | -54.88                | 1,421.27                          | 948.97     | 1,320.08             | 1,291.10              | 28.98                   | 45.545            |                    |         |
| 3,300.00                    | 3,238.94            | 3,214.32            | 3,214.25            | 16.19           | 13.93       | -55.62                | 1,421.01                          | 948.27     | 1,307.07             | 1,277.19              | 29.88                   | 43.750            |                    |         |
| 3,400.00                    | 3,336.57            | 3,299.33            | 3,299.27            | 16.69           | 14.28       | -56.33                | 1,421.41                          | 947.63     | 1,295.01             | 1,264.26              | 30.75                   | 42.120            |                    |         |
| 3,500.00                    | 3,434.21            | 3,391.55            | 3,391.48            | 17.19           | 14.66       | -57.11                | 1,422.46                          | 947.14     | 1,283.90             | 1,252.26              | 31.64                   | 40.579            |                    |         |
| 3,600.00                    | 3,531.85            | 3,486.79            | 3,486.70            | 17.69           | 15.06       | -57.92                | 1,423.78                          | 946.83     | 1,273.36             | 1,240.82              | 32.54                   | 39.127            |                    |         |
| 3,700.00                    | 3,629.48            | 3,578.80            | 3,578.71            | 18.20           | 15.44       | -58.71                | 1,425.31                          | 946.63     | 1,263.39             | 1,229.95              | 33.44                   | 37.781            |                    |         |
| 3,800.00                    | 3,727.12            | 3,674.48            | 3,674.37            | 18.70           | 15.84       | -59.54                | 1,427.20                          | 946.67     | 1,254.05             | 1,219.70              | 34.35                   | 36.508            |                    |         |
| 3,900.00                    | 3,824.76            | 3,772.33            | 3,772.19            | 19.21           | 16.25       | -60.41                | 1,429.22                          | 946.57     | 1,245.06             | 1,209.79              | 35.27                   | 35.301            |                    |         |
| 4,000.00                    | 3,922.40            | 3,877.75            | 3,877.60            | 19.71           | 16.69       | -61.36                | 1,431.14                          | 946.36     | 1,236.12             | 1,199.90              | 36.22                   | 34.132            |                    |         |
| 4,100.00                    | 4,020.03            | 3,980.59            | 3,980.43            | 20.21           | 17.12       | -62.32                | 1,432.43                          | 945.71     | 1,226.85             | 1,189.70              | 37.16                   | 33.019            |                    |         |
| 4,200.00                    | 4,117.67            | 4,081.21            | 4,081.04            | 20.72           | 17.55       | -63.27                | 1,433.42                          | 944.89     | 1,217.62             | 1,179.53              | 38.09                   | 31.968            |                    |         |
| 4,300.00                    | 4,215.31            | 4,179.38            | 4,179.21            | 21.23           | 17.96       | -64.21                | 1,434.20                          | 944.19     | 1,208.56             | 1,169.54              | 39.02                   | 30.975            |                    |         |
| 4,400.00                    | 4,312.94            | 4,278.95            | 4,278.77            | 21.73           | 18.38       | -65.17                | 1,434.89                          | 943.62     | 1,199.76             | 1,159.81              | 39.95                   | 30.032            |                    |         |
| 4,500.00                    | 4,410.58            | 4,377.38            | 4,377.19            | 22.24           | 18.79       | -66.14                | 1,435.44                          | 942.98     | 1,191.15             | 1,150.27              | 40.88                   | 29.138            |                    |         |
| 4,600.00                    | 4,508.22            | 4,475.69            | 4,475.50            | 22.75           | 19.21       | -67.11                | 1,435.93                          | 942.46     | 1,182.84             | 1,141.03              | 41.81                   | 28.290            |                    |         |
| 4,700.00                    | 4,605.86            | 4,571.61            | 4,571.42            | 23.25           | 19.61       | -68.06                | 1,436.39                          | 942.11     | 1,174.89             | 1,132.15              | 42.74                   | 27.492            |                    |         |
| 4,800.00                    | 4,703.49            | 4,671.04            | 4,670.85            | 23.76           | 20.03       | -69.07                | 1,436.95                          | 941.69     | 1,167.36             | 1,123.69              | 43.67                   | 26.731            |                    |         |
| 4,900.00                    | 4,801.13            | 4,774.04            | 4,773.85            | 24.27           | 20.47       | -70.12                | 1,437.16                          | 941.31     | 1,159.86             | 1,115.24              | 44.62                   | 25.995            |                    |         |
| 5,000.00                    | 4,898.77            | 4,875.35            | 4,875.16            | 24.77           | 20.89       | -71.17                | 1,436.94                          | 940.78     | 1,152.29             | 1,106.73              | 45.56                   | 25.292            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 5,100.00                    | 4,996.40            | 4,976.58            | 4,976.38            | 25.28           | 21.32       | -72.23                | 1,436.41                          | 940.32     | 1,144.82             | 1,098.31              | 46.50                   | 24.619            |                    |         |
| 5,200.00                    | 5,094.04            | 5,079.23            | 5,079.03            | 25.79           | 21.76       | -73.32                | 1,435.48                          | 939.91     | 1,137.35             | 1,089.90              | 47.45                   | 23.971            |                    |         |
| 5,300.00                    | 5,191.68            | 5,173.42            | 5,173.21            | 26.30           | 22.15       | -74.32                | 1,434.47                          | 939.67     | 1,130.11             | 1,081.74              | 48.37                   | 23.364            |                    |         |
| 5,400.00                    | 5,289.32            | 5,276.50            | 5,276.29            | 26.81           | 22.59       | -75.41                | 1,433.49                          | 939.87     | 1,123.36             | 1,074.05              | 49.31                   | 22.779            |                    |         |
| 5,500.00                    | 5,386.95            | 5,372.32            | 5,372.10            | 27.32           | 22.99       | -76.44                | 1,432.17                          | 939.83     | 1,116.60             | 1,066.35              | 50.24                   | 22.225            |                    |         |
| 5,600.00                    | 5,484.59            | 5,470.05            | 5,469.82            | 27.83           | 23.41       | -77.51                | 1,431.07                          | 939.71     | 1,110.47             | 1,059.30              | 51.17                   | 21.700            |                    |         |
| 5,700.00                    | 5,582.23            | 5,566.62            | 5,566.38            | 28.33           | 23.82       | -78.60                | 1,429.87                          | 939.28     | 1,104.68             | 1,052.58              | 52.10                   | 21.203            |                    |         |
| 5,800.00                    | 5,679.87            | 5,664.28            | 5,664.03            | 28.84           | 24.23       | -79.71                | 1,428.78                          | 938.85     | 1,099.43             | 1,046.40              | 53.03                   | 20.732            |                    |         |
| 5,900.00                    | 5,777.50            | 5,761.14            | 5,760.89            | 29.35           | 24.64       | -80.81                | 1,427.65                          | 938.45     | 1,094.56             | 1,040.60              | 53.96                   | 20.286            |                    |         |
| 6,000.00                    | 5,875.14            | 5,857.81            | 5,857.55            | 29.86           | 25.05       | -81.92                | 1,426.64                          | 938.15     | 1,090.23             | 1,035.35              | 54.88                   | 19.865            |                    |         |
| 6,100.00                    | 5,972.78            | 5,953.87            | 5,953.61            | 30.37           | 25.46       | -83.03                | 1,425.68                          | 937.71     | 1,086.41             | 1,030.61              | 55.80                   | 19.469            |                    |         |
| 6,200.00                    | 6,070.41            | 6,047.40            | 6,047.13            | 30.88           | 25.86       | -84.13                | 1,424.94                          | 937.13     | 1,083.26             | 1,026.55              | 56.71                   | 19.101            |                    |         |
| 6,300.00                    | 6,168.05            | 6,142.67            | 6,142.39            | 31.39           | 26.26       | -85.26                | 1,424.54                          | 936.34     | 1,080.97             | 1,023.34              | 57.63                   | 18.758            |                    |         |
| 6,400.00                    | 6,265.69            | 6,240.62            | 6,240.35            | 31.90           | 26.68       | -86.42                | 1,424.10                          | 935.63     | 1,079.08             | 1,020.53              | 58.55                   | 18.431            |                    |         |
| 6,439.09                    | 6,303.85            | 6,278.01            | 6,277.73            | 32.10           | 26.84       | -86.87                | 1,423.95                          | 935.36     | 1,078.49             | 1,019.59              | 58.90                   | 18.309            |                    |         |
| 6,450.00                    | 6,314.53            | 6,288.47            | 6,288.19            | 32.16           | 26.88       | -85.50                | 1,423.91                          | 935.28     | 1,078.32             | 1,019.32              | 59.00                   | 18.276            |                    |         |
| 6,500.00                    | 6,363.83            | 6,336.40            | 6,336.12            | 32.39           | 27.08       | -74.41                | 1,423.77                          | 934.92     | 1,077.00             | 1,017.56              | 59.44                   | 18.119            |                    |         |
| 6,550.00                    | 6,413.58            | 6,384.67            | 6,384.39            | 32.60           | 27.29       | -41.88                | 1,423.70                          | 934.57     | 1,074.76             | 1,014.91              | 59.85                   | 17.957            |                    |         |
| 6,600.00                    | 6,463.45            | 6,434.47            | 6,434.18            | 32.79           | 27.50       | 19.19                 | 1,423.68                          | 934.25     | 1,071.55             | 1,011.30              | 60.25                   | 17.784            |                    |         |
| 6,650.00                    | 6,513.15            | 6,484.74            | 6,484.45            | 32.97           | 27.72       | 47.23                 | 1,423.65                          | 933.96     | 1,067.31             | 1,006.67              | 60.64                   | 17.599            |                    |         |
| 6,700.00                    | 6,562.37            | 6,533.59            | 6,533.30            | 33.15           | 27.92       | 58.05                 | 1,423.62                          | 933.71     | 1,062.11             | 1,001.08              | 61.03                   | 17.402            |                    |         |
| 6,750.00                    | 6,610.80            | 6,581.25            | 6,580.96            | 33.34           | 28.13       | 63.95                 | 1,423.64                          | 933.52     | 1,056.10             | 994.67                | 61.43                   | 17.193            |                    |         |
| 6,800.00                    | 6,658.14            | 6,628.38            | 6,628.10            | 33.53           | 28.33       | 68.08                 | 1,423.69                          | 933.36     | 1,049.42             | 987.60                | 61.82                   | 16.974            |                    |         |
| 6,850.00                    | 6,704.11            | 6,674.54            | 6,674.25            | 33.74           | 28.52       | 71.45                 | 1,423.74                          | 933.17     | 1,042.25             | 980.01                | 62.23                   | 16.747            |                    |         |
| 6,900.00                    | 6,748.42            | 6,718.70            | 6,718.42            | 33.97           | 28.71       | 74.44                 | 1,423.77                          | 932.94     | 1,034.80             | 972.15                | 62.65                   | 16.517            |                    |         |
| 6,950.00                    | 6,790.79            | 6,760.48            | 6,760.20            | 34.21           | 28.89       | 77.22                 | 1,423.82                          | 932.72     | 1,027.38             | 964.31                | 63.07                   | 16.289            |                    |         |
| 7,000.00                    | 6,830.97            | 6,800.13            | 6,799.85            | 34.48           | 29.06       | 79.83                 | 1,423.90                          | 932.50     | 1,020.29             | 956.78                | 63.51                   | 16.065            |                    |         |
| 7,050.00                    | 6,868.71            | 6,838.82            | 6,838.53            | 34.77           | 29.22       | 82.36                 | 1,423.98                          | 932.34     | 1,013.83             | 949.87                | 63.96                   | 15.851            |                    |         |
| 7,100.00                    | 6,903.77            | 6,874.63            | 6,874.34            | 35.09           | 29.37       | 84.72                 | 1,424.04                          | 932.27     | 1,008.31             | 943.88                | 64.42                   | 15.651            |                    |         |
| 7,150.00                    | 6,935.93            | 6,907.34            | 6,907.05            | 35.44           | 29.51       | 86.85                 | 1,424.08                          | 932.27     | 1,004.08             | 939.19                | 64.90                   | 15.472            |                    |         |
| 7,200.00                    | 6,965.01            | 6,935.73            | 6,935.45            | 35.83           | 29.63       | 88.67                 | 1,424.12                          | 932.26     | 1,001.52             | 936.15                | 65.38                   | 15.319            |                    |         |
| 7,239.13                    | 6,985.50            | 6,955.95            | 6,955.66            | 36.16           | 29.72       | 89.88                 | 1,424.15                          | 932.24     | 1,000.88             | 935.11                | 65.76                   | 15.219 CC         |                    |         |
| 7,250.00                    | 6,990.82            | 6,961.21            | 6,960.93            | 36.26           | 29.74       | 90.18                 | 1,424.16                          | 932.23     | 1,000.93             | 935.06                | 65.87                   | 15.196 ES         |                    |         |
| 7,300.00                    | 7,013.20            | 6,983.39            | 6,983.10            | 36.72           | 29.83       | 91.33                 | 1,424.21                          | 932.19     | 1,002.56             | 936.21                | 66.35                   | 15.109            |                    |         |
| 7,350.00                    | 7,032.02            | 7,002.12            | 7,001.84            | 37.23           | 29.91       | 92.09                 | 1,424.25                          | 932.14     | 1,006.63             | 939.79                | 66.84                   | 15.061            |                    |         |
| 7,400.00                    | 7,047.15            | 7,017.36            | 7,017.07            | 37.77           | 29.98       | 92.42                 | 1,424.29                          | 932.11     | 1,013.27             | 945.96                | 67.31                   | 15.055 SF         |                    |         |
| 7,450.00                    | 7,058.51            | 7,028.78            | 7,028.49            | 38.34           | 30.03       | 92.28                 | 1,424.32                          | 932.08     | 1,022.56             | 954.81                | 67.75                   | 15.093            |                    |         |
| 7,500.00                    | 7,066.02            | 7,036.34            | 7,036.05            | 38.95           | 30.06       | 91.65                 | 1,424.34                          | 932.07     | 1,034.51             | 966.34                | 68.16                   | 15.177            |                    |         |
| 7,550.00                    | 7,069.64            | 7,040.01            | 7,039.72            | 39.58           | 30.07       | 90.52                 | 1,424.35                          | 932.07     | 1,049.02             | 980.49                | 68.54                   | 15.306            |                    |         |
| 7,571.20                    | 7,070.00            | 7,040.39            | 7,040.10            | 39.85           | 30.08       | 89.89                 | 1,424.35                          | 932.07     | 1,055.92             | 987.24                | 68.68                   | 15.374            |                    |         |
| 7,600.00                    | 7,070.00            | 7,040.43            | 7,040.14            | 40.23           | 30.08       | 89.89                 | 1,424.35                          | 932.07     | 1,065.92             | 997.06                | 68.87                   | 15.478            |                    |         |
| 7,700.00                    | 7,070.01            | 7,040.57            | 7,040.28            | 41.64           | 30.08       | 89.90                 | 1,424.35                          | 932.07     | 1,105.79             | 1,036.30              | 69.50                   | 15.911            |                    |         |
| 7,800.00                    | 7,070.02            | 7,040.71            | 7,040.42            | 43.20           | 30.08       | 89.91                 | 1,424.35                          | 932.07     | 1,152.98             | 1,082.91              | 70.07                   | 16.456            |                    |         |
| 7,900.00                    | 7,070.03            | 7,040.84            | 7,040.56            | 44.89           | 30.08       | 89.92                 | 1,424.35                          | 932.07     | 1,206.63             | 1,136.06              | 70.56                   | 17.100            |                    |         |
| 8,000.00                    | 7,070.04            | 7,040.98            | 7,040.69            | 46.69           | 30.08       | 89.93                 | 1,424.35                          | 932.06     | 1,265.91             | 1,194.92              | 70.99                   | 17.831            |                    |         |
| 8,100.00                    | 7,070.05            | 7,041.12            | 7,040.83            | 48.60           | 30.08       | 89.93                 | 1,424.35                          | 932.06     | 1,330.08             | 1,258.72              | 71.36                   | 18.640            |                    |         |
| 8,200.00                    | 7,070.05            | 7,041.25            | 7,040.96            | 50.59           | 30.08       | 89.94                 | 1,424.35                          | 932.06     | 1,398.46             | 1,326.80              | 71.66                   | 19.515            |                    |         |
| 8,300.00                    | 7,070.06            | 7,041.38            | 7,041.10            | 52.66           | 30.08       | 89.95                 | 1,424.35                          | 932.06     | 1,470.47             | 1,398.56              | 71.91                   | 20.449            |                    |         |
| 8,400.00                    | 7,070.07            | 7,041.52            | 7,041.23            | 54.81           | 30.08       | 89.96                 | 1,424.35                          | 932.06     | 1,545.59             | 1,473.48              | 72.12                   | 21.432            |                    |         |
| 8,500.00                    | 7,070.08            | 7,041.65            | 7,041.36            | 57.02           | 30.08       | 89.97                 | 1,424.35                          | 932.06     | 1,623.40             | 1,551.12              | 72.29                   | 22.457            |                    |         |
| 8,600.00                    | 7,070.09            | 7,041.78            | 7,041.49            | 59.28           | 30.08       | 89.97                 | 1,424.35                          | 932.06     | 1,703.53             | 1,631.10              | 72.43                   | 23.520            |                    |         |
| 8,700.00                    | 7,070.10            | 7,041.91            | 7,041.62            | 61.60           | 30.08       | 89.98                 | 1,424.35                          | 932.06     | 1,785.67             | 1,713.12              | 72.54                   | 24.615            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 8,800.00                    | 7,070.11            | 7,042.04            | 7,041.75            | 63.95           | 30.08       | 89.99                 | 1,424.35                          | 932.06     | 1,869.54             | 1,796.90              | 72.64                   | 25.738            |                    |         |
| 8,900.00                    | 7,070.12            | 7,042.17            | 7,041.88            | 66.35           | 30.08       | 89.99                 | 1,424.35                          | 932.06     | 1,954.93             | 1,882.22              | 72.72                   | 26.884            |                    |         |
| 9,000.00                    | 7,070.13            | 7,042.29            | 7,042.01            | 68.79           | 30.08       | 90.00                 | 1,424.35                          | 932.06     | 2,041.65             | 1,968.87              | 72.78                   | 28.052            |                    |         |
| 9,100.00                    | 7,070.13            | 7,042.42            | 7,042.13            | 71.25           | 30.08       | 90.01                 | 1,424.35                          | 932.06     | 2,129.54             | 2,056.70              | 72.84                   | 29.237            |                    |         |
| 9,200.00                    | 7,070.14            | 7,042.54            | 7,042.26            | 73.74           | 30.08       | 90.02                 | 1,424.35                          | 932.06     | 2,218.45             | 2,145.57              | 72.88                   | 30.439            |                    |         |
| 9,300.00                    | 7,070.15            | 7,042.67            | 7,042.38            | 76.26           | 30.09       | 90.02                 | 1,424.35                          | 932.06     | 2,308.27             | 2,235.35              | 72.92                   | 31.655            |                    |         |
| 9,400.00                    | 7,070.16            | 7,042.79            | 7,042.51            | 78.80           | 30.09       | 90.03                 | 1,424.35                          | 932.06     | 2,398.89             | 2,325.94              | 72.95                   | 32.883            |                    |         |
| 9,500.00                    | 7,070.17            | 7,042.92            | 7,042.63            | 81.37           | 30.09       | 90.04                 | 1,424.36                          | 932.06     | 2,490.23             | 2,417.25              | 72.98                   | 34.121            |                    |         |
| 9,600.00                    | 7,070.18            | 7,043.04            | 7,042.75            | 83.95           | 30.09       | 90.05                 | 1,424.36                          | 932.06     | 2,582.22             | 2,509.21              | 73.01                   | 35.370            |                    |         |
| 9,700.00                    | 7,070.19            | 7,043.16            | 7,042.87            | 86.55           | 30.09       | 90.05                 | 1,424.36                          | 932.06     | 2,674.78             | 2,601.75              | 73.03                   | 36.626            |                    |         |
| 9,800.00                    | 7,070.20            | 7,043.28            | 7,042.99            | 89.17           | 30.09       | 90.06                 | 1,424.36                          | 932.06     | 2,767.85             | 2,694.80              | 73.05                   | 37.890            |                    |         |
| 9,900.00                    | 7,070.21            | 7,043.40            | 7,043.11            | 91.80           | 30.09       | 90.07                 | 1,424.36                          | 932.06     | 2,861.40             | 2,788.33              | 73.07                   | 39.161            |                    |         |
| 10,000.00                   | 7,070.21            | 7,043.52            | 7,043.23            | 94.44           | 30.09       | 90.07                 | 1,424.36                          | 932.06     | 2,955.36             | 2,882.28              | 73.09                   | 40.437            |                    |         |
| 10,100.00                   | 7,070.22            | 7,043.64            | 7,043.35            | 97.10           | 30.09       | 90.08                 | 1,424.36                          | 932.06     | 3,049.71             | 2,976.61              | 73.10                   | 41.719            |                    |         |
| 10,200.00                   | 7,070.23            | 7,043.76            | 7,043.47            | 99.77           | 30.09       | 90.09                 | 1,424.36                          | 932.06     | 3,144.41             | 3,071.30              | 73.12                   | 43.004            |                    |         |
| 10,300.00                   | 7,070.24            | 7,043.87            | 7,043.58            | 102.44          | 30.09       | 90.09                 | 1,424.36                          | 932.06     | 3,239.43             | 3,166.30              | 73.13                   | 44.294            |                    |         |
| 10,400.00                   | 7,070.25            | 7,043.99            | 7,043.70            | 105.13          | 30.09       | 90.10                 | 1,424.36                          | 932.06     | 3,334.74             | 3,261.59              | 73.15                   | 45.588            |                    |         |
| 10,500.00                   | 7,070.26            | 7,044.10            | 7,043.82            | 107.83          | 30.09       | 90.11                 | 1,424.36                          | 932.06     | 3,430.32             | 3,357.15              | 73.17                   | 46.884            |                    |         |
| 10,600.00                   | 7,070.27            | 7,044.22            | 7,043.93            | 110.53          | 30.09       | 90.11                 | 1,424.36                          | 932.06     | 3,526.14             | 3,452.96              | 73.18                   | 48.183            |                    |         |
| 10,700.00                   | 7,070.28            | 7,044.33            | 7,044.04            | 113.24          | 30.09       | 90.12                 | 1,424.36                          | 932.06     | 3,622.19             | 3,548.99              | 73.20                   | 49.484            |                    |         |
| 10,800.00                   | 7,070.28            | 7,044.44            | 7,044.16            | 115.96          | 30.09       | 90.13                 | 1,424.36                          | 932.06     | 3,718.44             | 3,645.23              | 73.22                   | 50.787            |                    |         |
| 10,900.00                   | 7,070.29            | 7,044.56            | 7,044.27            | 118.69          | 30.09       | 90.13                 | 1,424.36                          | 932.06     | 3,814.89             | 3,741.66              | 73.23                   | 52.091            |                    |         |
| 11,000.00                   | 7,070.30            | 7,044.67            | 7,044.38            | 121.42          | 30.09       | 90.14                 | 1,424.36                          | 932.06     | 3,911.52             | 3,838.27              | 73.25                   | 53.397            |                    |         |
| 11,100.00                   | 7,070.31            | 7,044.78            | 7,044.49            | 124.16          | 30.09       | 90.15                 | 1,424.36                          | 932.06     | 4,008.31             | 3,935.04              | 73.27                   | 54.704            |                    |         |
| 11,200.00                   | 7,070.32            | 7,044.89            | 7,044.60            | 126.90          | 30.09       | 90.15                 | 1,424.36                          | 932.06     | 4,105.26             | 4,031.97              | 73.29                   | 56.012            |                    |         |
| 11,300.00                   | 7,070.33            | 7,045.00            | 7,044.71            | 129.65          | 30.10       | 90.16                 | 1,424.36                          | 932.06     | 4,202.35             | 4,129.04              | 73.31                   | 57.320            |                    |         |
| 11,400.00                   | 7,070.34            | 7,045.11            | 7,044.82            | 132.40          | 30.10       | 90.16                 | 1,424.36                          | 932.06     | 4,299.57             | 4,226.24              | 73.33                   | 58.629            |                    |         |
| 11,500.00                   | 7,070.35            | 7,045.22            | 7,044.93            | 135.16          | 30.10       | 90.17                 | 1,424.36                          | 932.06     | 4,396.92             | 4,323.56              | 73.36                   | 59.938            |                    |         |
| 11,600.00                   | 7,070.36            | 7,045.32            | 7,045.04            | 137.92          | 30.10       | 90.18                 | 1,424.36                          | 932.06     | 4,494.38             | 4,421.00              | 73.38                   | 61.248            |                    |         |
| 11,700.00                   | 7,070.36            | 7,045.43            | 7,045.14            | 140.69          | 30.10       | 90.18                 | 1,424.36                          | 932.06     | 4,591.96             | 4,518.55              | 73.40                   | 62.557            |                    |         |
| 11,800.00                   | 7,070.37            | 7,045.54            | 7,045.25            | 143.46          | 30.10       | 90.19                 | 1,424.36                          | 932.06     | 4,689.63             | 4,616.20              | 73.43                   | 63.865            |                    |         |
| 11,900.00                   | 7,070.38            | 7,045.64            | 7,045.35            | 146.23          | 30.10       | 90.20                 | 1,424.36                          | 932.06     | 4,787.40             | 4,713.95              | 73.46                   | 65.174            |                    |         |
| 12,000.00                   | 7,070.39            | 7,045.75            | 7,045.46            | 149.01          | 30.10       | 90.20                 | 1,424.36                          | 932.06     | 4,885.26             | 4,811.78              | 73.48                   | 66.482            |                    |         |
| 12,100.00                   | 7,070.40            | 7,045.85            | 7,045.56            | 151.79          | 30.10       | 90.21                 | 1,424.36                          | 932.06     | 4,983.21             | 4,909.70              | 73.51                   | 67.789            |                    |         |
| 12,200.00                   | 7,070.41            | 7,045.95            | 7,045.67            | 154.57          | 30.10       | 90.21                 | 1,424.36                          | 932.06     | 5,081.24             | 5,007.70              | 73.54                   | 69.095            |                    |         |
| 12,300.00                   | 7,070.42            | 7,046.06            | 7,045.77            | 157.35          | 30.10       | 90.22                 | 1,424.36                          | 932.06     | 5,179.34             | 5,105.77              | 73.57                   | 70.401            |                    |         |
| 12,400.00                   | 7,070.43            | 7,046.16            | 7,045.87            | 160.14          | 30.10       | 90.22                 | 1,424.36                          | 932.06     | 5,277.51             | 5,203.91              | 73.60                   | 71.705            |                    |         |
| 12,500.00                   | 7,070.44            | 7,046.26            | 7,045.97            | 162.93          | 30.10       | 90.23                 | 1,424.36                          | 932.06     | 5,375.75             | 5,302.12              | 73.63                   | 73.008            |                    |         |
| 12,600.00                   | 7,070.44            | 7,046.36            | 7,046.07            | 165.72          | 30.10       | 90.24                 | 1,424.36                          | 932.06     | 5,474.06             | 5,400.39              | 73.66                   | 74.311            |                    |         |
| 12,700.00                   | 7,070.45            | 7,046.46            | 7,046.17            | 168.52          | 30.10       | 90.24                 | 1,424.36                          | 932.06     | 5,572.42             | 5,498.72              | 73.70                   | 75.611            |                    |         |
| 12,800.00                   | 7,070.46            | 7,046.56            | 7,046.27            | 171.32          | 30.10       | 90.25                 | 1,424.36                          | 932.06     | 5,670.84             | 5,597.11              | 73.73                   | 76.911            |                    |         |
| 12,900.00                   | 7,070.47            | 7,046.66            | 7,046.37            | 174.11          | 30.10       | 90.25                 | 1,424.36                          | 932.06     | 5,769.32             | 5,695.55              | 73.77                   | 78.209            |                    |         |
| 13,000.00                   | 7,070.48            | 7,046.76            | 7,046.47            | 176.92          | 30.10       | 90.26                 | 1,424.36                          | 932.06     | 5,867.85             | 5,794.04              | 73.80                   | 79.505            |                    |         |
| 13,100.00                   | 7,070.49            | 7,046.86            | 7,046.57            | 179.72          | 30.10       | 90.27                 | 1,424.36                          | 932.06     | 5,966.42             | 5,892.58              | 73.84                   | 80.800            |                    |         |
| 13,200.00                   | 7,070.50            | 7,046.95            | 7,046.67            | 182.52          | 30.10       | 90.27                 | 1,424.36                          | 932.06     | 6,065.05             | 5,991.17              | 73.88                   | 82.093            |                    |         |
| 13,300.00                   | 7,070.51            | 7,047.05            | 7,046.76            | 185.33          | 30.10       | 90.28                 | 1,424.36                          | 932.06     | 6,163.71             | 6,089.79              | 73.92                   | 83.385            |                    |         |
| 13,400.00                   | 7,070.52            | 7,047.15            | 7,046.86            | 188.14          | 30.10       | 90.28                 | 1,424.37                          | 932.06     | 6,262.42             | 6,188.46              | 73.96                   | 84.674            |                    |         |
| 13,500.00                   | 7,070.52            | 7,047.24            | 7,046.96            | 190.95          | 30.10       | 90.29                 | 1,424.37                          | 932.06     | 6,361.17             | 6,287.17              | 74.00                   | 85.962            |                    |         |
| 13,600.00                   | 7,070.53            | 7,047.34            | 7,047.05            | 193.76          | 30.11       | 90.29                 | 1,424.37                          | 932.06     | 6,459.96             | 6,385.92              | 74.04                   | 87.247            |                    |         |
| 13,700.00                   | 7,070.54            | 7,047.43            | 7,047.14            | 196.57          | 30.11       | 90.30                 | 1,424.37                          | 932.06     | 6,558.79             | 6,484.70              | 74.08                   | 88.531            |                    |         |
| 13,800.00                   | 7,070.55            | 7,047.53            | 7,047.24            | 199.38          | 30.11       | 90.30                 | 1,424.37                          | 932.06     | 6,657.65             | 6,583.52              | 74.13                   | 89.812            |                    |         |
| 13,900.00                   | 7,070.56            | 7,047.62            | 7,047.33            | 202.20          | 30.11       | 90.31                 | 1,424.37                          | 932.06     | 6,756.54             | 6,682.37              | 74.17                   | 91.092            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



|                           |                               |                                     |  |
|---------------------------|-------------------------------|-------------------------------------|--|
| <b>Company:</b>           | Synergy Resources Corporation | <b>Local Co-ordinate Reference:</b> | Well Falken 32N-9B-L                   |
| <b>Project:</b>           | SEC 12-13 T6N R66W            | <b>TVD Reference:</b>               | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Reference Site:</b>    | Falken 9-11 PAD               | <b>MD Reference:</b>                | GL 4810 & KB 20 @ 4830.00ft ( ASSUMED) |
| <b>Site Error:</b>        | 3.28 ft                       | <b>North Reference:</b>             | True                                   |
| <b>Reference Well:</b>    | Falken 32N-9B-L               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Well Error:</b>        | 3.28 ft                       | <b>Output errors are at</b>         | 2.45 sigma                             |
| <b>Reference Wellbore</b> | OH                            | <b>Database:</b>                    | EDM 5000.14 Single User Db             |
| <b>Reference Design:</b>  | Plan #1                       | <b>Offset TVD Reference:</b>        | Offset Datum                           |

| Offset Design               |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|-----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                         |                   | Offset Well Error: | 3.28 ft |
| Reference                   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                         |                   |                    | Warning |
| Measured Depth (ft)         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 14,000.00                   | 7,070.57            | 7,047.71            | 7,047.43            | 205.01          | 30.11       | 90.31                 | 1,424.37                          | 932.06     | 6,855.47             | 6,781.25              | 74.22                   | 92.369            |                    |         |
| 14,100.00                   | 7,070.58            | 7,047.81            | 7,047.52            | 207.83          | 30.11       | 90.32                 | 1,424.37                          | 932.06     | 6,954.42             | 6,880.16              | 74.26                   | 93.644            |                    |         |
| 14,200.00                   | 7,070.59            | 7,047.90            | 7,047.61            | 210.65          | 30.11       | 90.32                 | 1,424.37                          | 932.06     | 7,053.41             | 6,979.10              | 74.31                   | 94.916            |                    |         |
| 14,300.00                   | 7,070.60            | 7,047.99            | 7,047.70            | 213.47          | 30.11       | 90.33                 | 1,424.37                          | 932.06     | 7,152.42             | 7,078.06              | 74.36                   | 96.186            |                    |         |
| 14,400.00                   | 7,070.60            | 7,048.08            | 7,047.79            | 216.29          | 30.11       | 90.34                 | 1,424.37                          | 932.06     | 7,251.47             | 7,177.06              | 74.41                   | 97.454            |                    |         |
| 14,500.00                   | 7,070.61            | 7,048.17            | 7,047.88            | 219.11          | 30.11       | 90.34                 | 1,424.37                          | 932.06     | 7,350.53             | 7,276.07              | 74.46                   | 98.719            |                    |         |
| 14,600.00                   | 7,070.62            | 7,048.26            | 7,047.97            | 221.94          | 30.11       | 90.35                 | 1,424.37                          | 932.06     | 7,449.63             | 7,375.12              | 74.51                   | 99.982            |                    |         |
| 14,700.00                   | 7,070.63            | 7,048.35            | 7,048.06            | 224.76          | 30.11       | 90.35                 | 1,424.37                          | 932.06     | 7,548.74             | 7,474.18              | 74.56                   | 101.242           |                    |         |
| 14,800.00                   | 7,070.64            | 7,048.44            | 7,048.15            | 227.58          | 30.11       | 90.36                 | 1,424.37                          | 932.06     | 7,647.88             | 7,573.27              | 74.61                   | 102.500           |                    |         |
| 14,900.00                   | 7,070.65            | 7,048.53            | 7,048.24            | 230.41          | 30.11       | 90.36                 | 1,424.37                          | 932.06     | 7,747.04             | 7,672.38              | 74.67                   | 103.755           |                    |         |
| 15,000.00                   | 7,070.66            | 7,048.61            | 7,048.33            | 233.24          | 30.11       | 90.37                 | 1,424.37                          | 932.06     | 7,846.22             | 7,771.50              | 74.72                   | 105.007           |                    |         |
| 15,100.00                   | 7,070.67            | 7,048.70            | 7,048.41            | 236.06          | 30.11       | 90.37                 | 1,424.37                          | 932.06     | 7,945.43             | 7,870.65              | 74.78                   | 106.257           |                    |         |
| 15,200.00                   | 7,070.68            | 7,048.79            | 7,048.50            | 238.89          | 30.11       | 90.38                 | 1,424.37                          | 932.06     | 8,044.65             | 7,969.82              | 74.83                   | 107.504           |                    |         |
| 15,300.00                   | 7,070.68            | 7,048.87            | 7,048.59            | 241.72          | 30.11       | 90.38                 | 1,424.37                          | 932.06     | 8,143.89             | 8,069.00              | 74.89                   | 108.748           |                    |         |
| 15,400.00                   | 7,070.69            | 7,048.96            | 7,048.67            | 244.55          | 30.11       | 90.39                 | 1,424.37                          | 932.06     | 8,243.15             | 8,168.21              | 74.95                   | 109.989           |                    |         |
| 15,500.00                   | 7,070.70            | 7,049.04            | 7,048.76            | 247.38          | 30.11       | 90.39                 | 1,424.37                          | 932.06     | 8,342.43             | 8,267.43              | 75.00                   | 111.227           |                    |         |
| 15,600.00                   | 7,070.71            | 7,049.13            | 7,048.84            | 250.21          | 30.11       | 90.40                 | 1,424.37                          | 932.06     | 8,441.73             | 8,366.66              | 75.06                   | 112.463           |                    |         |
| 15,700.00                   | 7,070.72            | 7,049.21            | 7,048.93            | 253.04          | 30.11       | 90.40                 | 1,424.37                          | 932.06     | 8,541.04             | 8,465.91              | 75.12                   | 113.695           |                    |         |
| 15,800.00                   | 7,070.73            | 7,049.30            | 7,049.01            | 255.87          | 30.11       | 90.41                 | 1,424.37                          | 932.06     | 8,640.36             | 8,565.18              | 75.18                   | 114.925           |                    |         |
| 15,900.00                   | 7,070.74            | 7,049.38            | 7,049.09            | 258.71          | 30.11       | 90.41                 | 1,424.37                          | 932.06     | 8,739.71             | 8,664.46              | 75.24                   | 116.152           |                    |         |
| 16,000.00                   | 7,070.75            | 7,049.46            | 7,049.18            | 261.54          | 30.11       | 90.42                 | 1,424.37                          | 932.06     | 8,839.06             | 8,763.76              | 75.31                   | 117.375           |                    |         |
| 16,100.00                   | 7,070.76            | 7,049.55            | 7,049.26            | 264.37          | 30.11       | 90.42                 | 1,424.37                          | 932.06     | 8,938.44             | 8,863.07              | 75.37                   | 118.596           |                    |         |
| 16,200.00                   | 7,070.76            | 7,049.63            | 7,049.34            | 267.21          | 30.12       | 90.42                 | 1,424.37                          | 932.06     | 9,037.82             | 8,962.39              | 75.43                   | 119.813           |                    |         |
| 16,300.00                   | 7,070.77            | 7,049.71            | 7,049.42            | 270.04          | 30.12       | 90.43                 | 1,424.37                          | 932.05     | 9,137.22             | 9,061.72              | 75.50                   | 121.027           |                    |         |
| 16,400.00                   | 7,070.78            | 7,049.79            | 7,049.50            | 272.88          | 30.12       | 90.43                 | 1,424.37                          | 932.05     | 9,236.63             | 9,161.07              | 75.56                   | 122.238           |                    |         |
| 16,500.00                   | 7,070.79            | 7,049.87            | 7,049.58            | 275.71          | 30.12       | 90.44                 | 1,424.37                          | 932.05     | 9,336.06             | 9,260.43              | 75.63                   | 123.446           |                    |         |
| 16,600.00                   | 7,070.80            | 7,049.95            | 7,049.66            | 278.55          | 30.12       | 90.44                 | 1,424.37                          | 932.05     | 9,435.49             | 9,359.80              | 75.70                   | 124.651           |                    |         |
| 16,700.00                   | 7,070.81            | 7,050.03            | 7,049.74            | 281.39          | 30.12       | 90.45                 | 1,424.37                          | 932.05     | 9,534.94             | 9,459.18              | 75.76                   | 125.853           |                    |         |
| 16,800.00                   | 7,070.82            | 7,050.11            | 7,049.82            | 284.22          | 30.12       | 90.45                 | 1,424.37                          | 932.05     | 9,634.40             | 9,558.57              | 75.83                   | 127.051           |                    |         |
| 16,900.00                   | 7,070.83            | 7,050.19            | 7,049.90            | 287.06          | 30.12       | 90.46                 | 1,424.37                          | 932.05     | 9,733.87             | 9,657.97              | 75.90                   | 128.246           |                    |         |
| 17,000.00                   | 7,070.84            | 7,050.27            | 7,049.98            | 289.90          | 30.12       | 90.46                 | 1,424.37                          | 932.05     | 9,833.35             | 9,757.38              | 75.97                   | 129.438           |                    |         |
| 17,100.00                   | 7,070.84            | 7,050.35            | 7,050.06            | 292.74          | 30.12       | 90.47                 | 1,424.37                          | 932.05     | 9,932.85             | 9,856.81              | 76.04                   | 130.626           |                    |         |



**Company:** Synergy Resources Corporation  
**Project:** SEC 12-13 T6N R66W  
**Reference Site:** Falken 9-11 PAD  
**Site Error:** 3.28 ft  
**Reference Well:** Falken 32N-9B-L  
**Well Error:** 3.28 ft  
**Reference Wellbore:** OH  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Falken 32N-9B-L  
**TVD Reference:** GL 4810 & KB 20 @ 4830.00ft ( ASSUMED)  
**MD Reference:** GL 4810 & KB 20 @ 4830.00ft ( ASSUMED)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.45 sigma  
**Database:** EDM 5000.14 Single User Db  
**Offset TVD Reference:** Offset Datum

Reference Depths are relative to GL 4810 & KB 20 @ 4830.00ft ( ASSU

Offset Depths are relative to Offset Datum

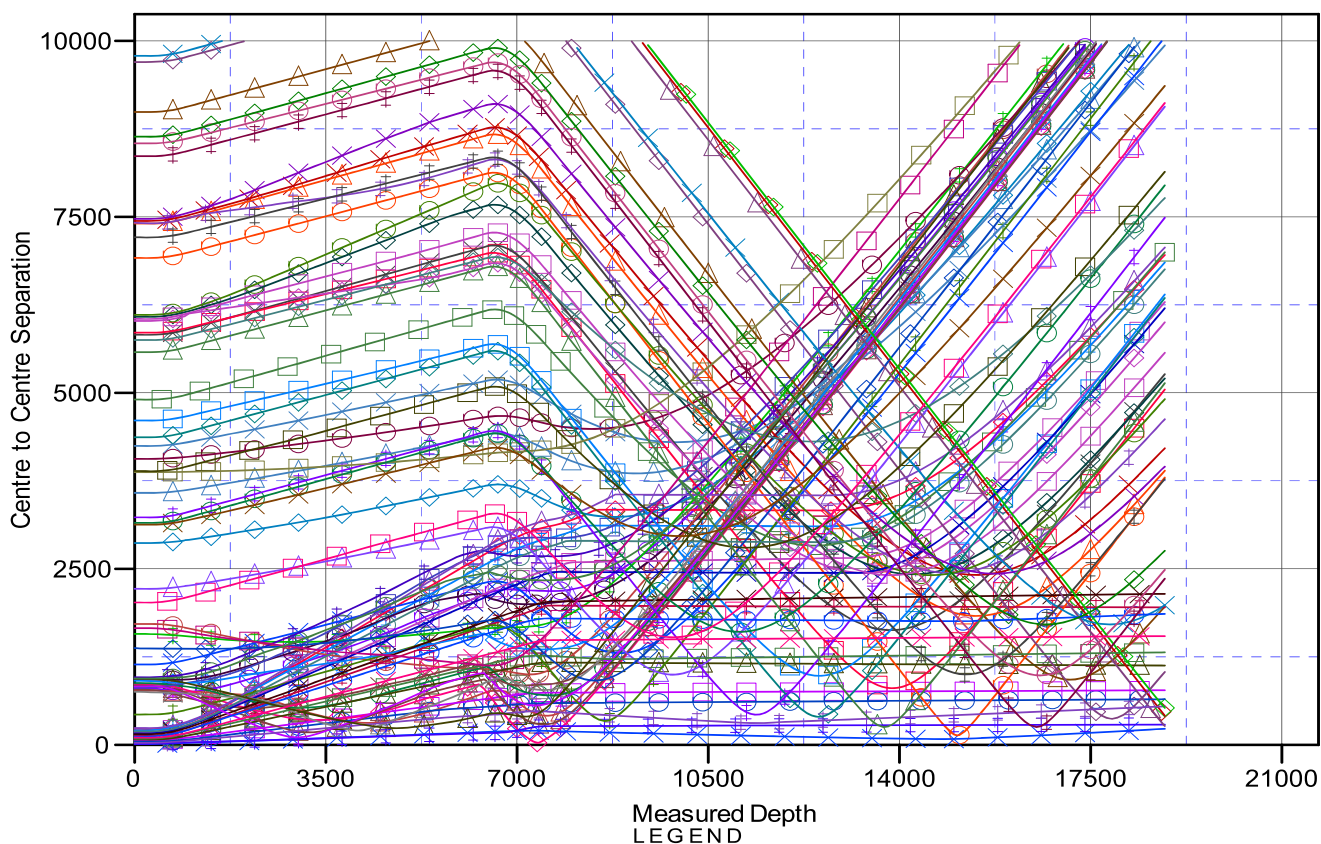
Central Meridian is -105.5000000

Coordinates are relative to: Falken 32N-9B-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.49°

## Ladder Plot



Fagerberg 15N-7A-M, OH, OH V0  
 CARLSON #14-2(S), OH, OH V0  
 Falken 31N-14B-S, OH, Plan#1 V0  
 Fagerberg 6C-7-M, OH, OH V0  
 Falken 4N-14C-S, OH, Plan #1 V0  
 ANDERSON #1-10-6-66(PA), OH, OH V0  
 Harvesters Resources #15R-323(PR), OH, OH V0  
 CARLSON #14-1(PR), OH, OH V0  
 OTTOSON #3(PR), OH, OH V0  
 Falken 33N-9A-L, OH, Plan#1 V0  
 Montera #10-34(PR), OH, OH V0  
 Fagerberg 36N-7B-M, OH, OH V0  
 ANDERSON #42-10(PR), OH, OH V0  
 SOUTHARD #2(PR), OH, OH V0  
 MONTERA #14-8, OH, OH V0  
 Harvesters Resources #15M-423(PR), OH, OH V0  
 POP #14-17, OH, OH V0  
 Fagerberg 23N(S)-7B-M, OH, OH V0  
 JOHNSTON #11-16G(TA), OH, OH V0  
 Fagerberg 28N-18B-M, OH, OH V0  
 Fagerberg 11C-7-M, OH, OH V0  
 BLACKGOLD #5(PR), OH, OH V0  
 Falken 33C-9-L, OH, Plan #1 V0  
 Merrit#6-66-9-0857BH(PR), OH, OH V0  
 Falken 30C-14-S, OH, Plan#1 V0  
 Falken 33N-9B-L, OH, Plan#1 V0  
 Harvesters Resources #15U-203(PR), OH, OH V0  
 JOHNSTON #2(PA), OH, OH V0  
 OPAL #1(PA), OH, OH V0  
 Fagerberg 11N-7A-M, OH, OH V0  
 Montera #10-33(PR), OH, OH V0  
 Falken 30N-14B-S, OH, Plan#1 V0  
 BLACKGOLD PETROLEUM #2(S), OH, OH V0  
 Fagerberg 25N-7C-M, OH, OH V0  
 Falken 9N-9C-L, OH, Plan #1 V0  
 Falken 32C-9-L, OH, Plan #1 V0  
 Falken 31C-14-S, Plan #1, Plan #1 V0  
 KRISTY #1(PA), OH, OH V0  
 Harvesters Resources #15R-243(PR), OH, OH V0  
 Harvesters Resources #15R-403(PR), OH, OH V0  
 Fagerberg 23N-7C-M, OH, OH V0  
 Harvesters Resources #15U-443(PR), OH, OH V0  
 Falken 4N-14A-S, OH, Plan#1 V0  
 BLACKGOLD PETROLEUM #1(PR), OH, OH V0  
 GLEESPEE #11-1(PA), OH, OH V0  
 ANDERSON JANUARY #1(PR), OH, OH V0  
 Fagerberg 6N-7C-M, OH, OH V0  
 MONTERA #11-11(PR), OH, OH V0  
 OTTOSON #2(PA), OH, OH V0  
 MONTERA #11-14(PR), OH, OH V0  
 Falken 33N-9C-L, OH, Plan #1 V0  
 J.R. #1(PA), OH, OH V0  
 146 COMPANY #14-1, OH, OH V0  
 Merrit#6-66-9-0857CH(PR), OH, OH V0  
 Falken 16N-9B-L, OH, Plan#1 V0  
 Falken 9C-9-L, OH, Plan #1 V0  
 BLACKGOLD #3(PA), OH, OH V0  
 Harvesters Resources #15M-303(PR), OH, OH V0  
 Jeff #1, OH, OH V0  
 CARLSON #10-1(PA), OH, OH V0  
 Montera #10-43(S), OH, OH V0  
 ANDERSON #32-10(PR), OH, OH V0  
 JOHNSTON #1(PA), OH, OH V0  
 MICHAEL #14-2, OH, OH V0  
 OTTOSON #12-12(PR), OH, OH V0  
 OTTOSON #12-25(PR), OH, OH V0  
 Merrit#6-66-9-0758CDH(PR), OH, OH V0  
 SOUTH WOODS #10-3(PA), OH, OH V0  
 Fagerberg 36C-7-M, OH, OH V0



**Company:** Synergy Resources Corporation  
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**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.45 sigma  
**Database:** EDM 5000.14 Single User Db  
**Offset TVD Reference:** Offset Datum

Reference Depths are relative to GL 4810 & KB 20 @ 4830.00ft ( ASSU

Offset Depths are relative to Offset Datum

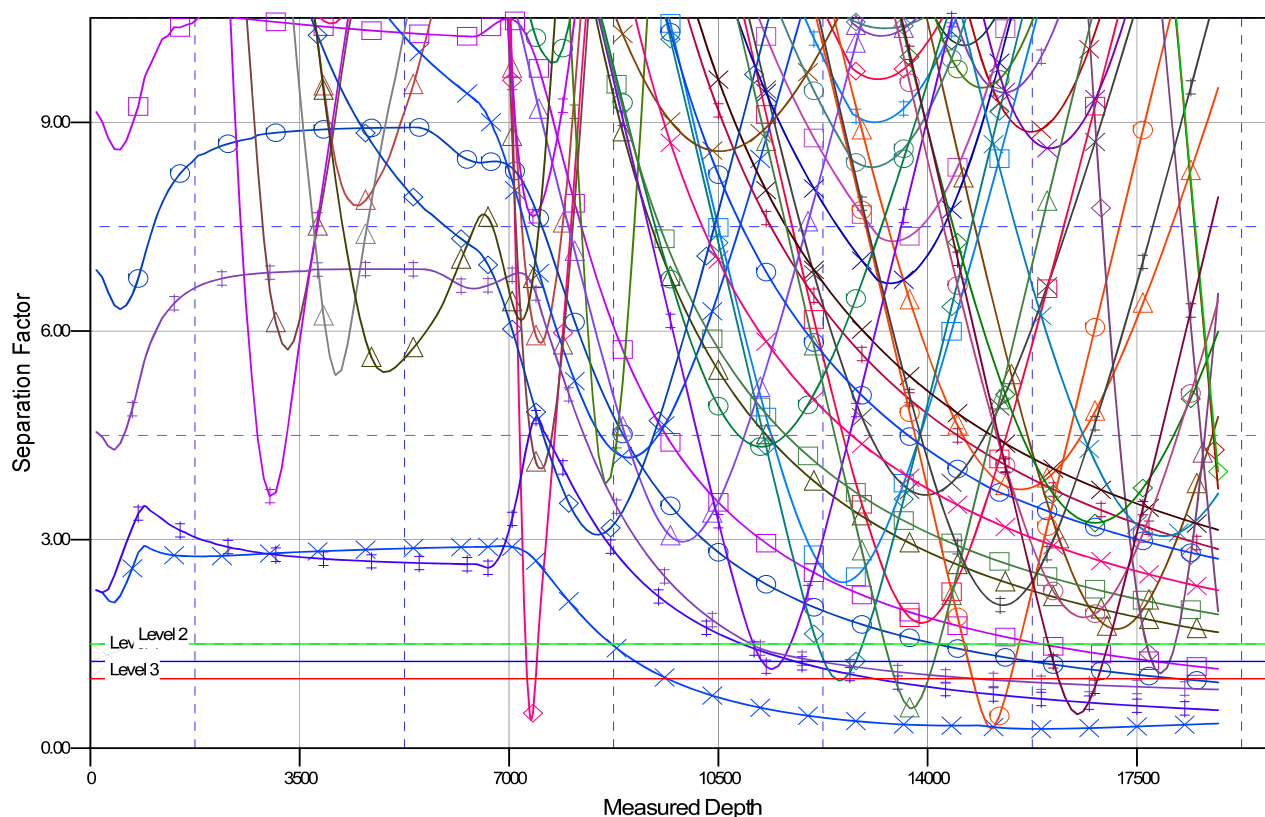
Central Meridian is -105.5000000

Coordinates are relative to: Falken 32N-9B-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.49°

## Separation Factor Plot



### LEGEND

|  |  |  |
|--|--|--|
| Fagerberg 15N-7A-M, OH, OH V0                | Merrit#6-66-9-0857BH(PR), OH, OH V0          | Fagerberg 6N-7C-M, OH, OH V0                 |
| CARLSON #14-2(S), OH, OH V0                  | Falken 30C-14-S, OH, Plan#1 V0               | MONTERA #11-11(PR), OH, OH V0                |
| Falken 31N-14B-S, OH, Plan#1 V0              | Falken 33N-9B-L, OH, Plan#1 V0               | OTTOSON #2(PA), OH, OH V0                    |
| Fagerberg 6C-7-M, OH, OH V0                  | Harvesters Resources #15U-203(PR), OH, OH V0 | MONTERA #11-14(PR), OH, OH V0                |
| Falken 4N-14C-S, OH, Plan#1 V0               | JOHNSON #2(PA), OH, OH V0                    | Falken 33N-9C-L, OH, Plan#1 V0               |
| ANDERSON #1-10-6-66(PA), OH, OH V0           | OPAL #1(PA), OH, OH V0                       | J.R. #1(PA), OH, OH V0                       |
| Harvesters Resources #15R-323(PR), OH, OH V0 | Fagerberg 11N-7A-M, OH, OH V0                | 146 COMPANY #14-1, OH, OH V0                 |
| CARLSON #14-1(PR), OH, OH V0                 | Montera #10-33(PR), OH, OH V0                | Merrit#6-66-9-0857CH(PR), OH, OH V0          |
| OTTOSON #3(PR), OH, OH V0                    | Falken 30N-14B-S, OH, Plan#1 V0              | Falken 16N-9B-L, OH, Plan#1 V0               |
| Falken 33N-9A-L, OH, Plan#1 V0               | BLACK GOLD PETROLEUM #2(S), OH, OH V0        | Falken 9C-9-L, OH, Plan#1 V0                 |
| Montera #10-34(PR), OH, OH V0                | Fagerberg 25N-7C-M, OH, OH V0                | BLACKGOLD #3(PA), OH, OH V0                  |
| Fagerberg 36N-7B-M, OH, OH V0                | Falken 9N-9C-L, OH, Plan#1 V0                | Harvesters Resources #15M-303(PR), OH, OH V0 |
| ANDERSON #42-10(PR), OH, OH V0               | Falken 32C-9-L, OH, Plan#1 V0                | Jeff #1, OH, OH V0                           |
| SOUTHWARD #2(PR), OH, OH V0                  | Falken 31C-14-S, Plan#1 V0                   | CARLSON #10-1(PA), OH, OH V0                 |
| MONTERA #14-8, OH, OH V0                     | KRISTY #1(PA), OH, OH V0                     | Montera #10-43(S), OH, OH V0                 |
| Harvesters Resources #15M-423(PR), OH, OH V0 | Harvesters Resources #15R-243(PR), OH, OH V0 | ANDERSON #32-10(PR), OH, OH V0               |
| POP #14-17, OH, OH V0                        | Fagerberg 23N-7C-M, OH, OH V0                | JOHNSON #1(PA), OH, OH V0                    |
| Fagerberg 25N(S)-7B-M, OH, OH V0             | Harvesters Resources #15U-443(PR), OH, OH V0 | MICHAEL #14-2, OH, OH V0                     |
| JOHNSON #11-16G(TA), OH, OH V0               | Falken 4N-14A-S, OH, Plan#1 V0               | OTTOSON #12-12(PR), OH, OH V0                |
| Fagerberg 28N-18B-M, OH, OH V0               | BLACK GOLD PETROLEUM #1(PR), OH, OH V0       | OTTOSON #12-25(PR), OH, OH V0                |
| Fagerberg 11C-7-M, OH, OH V0                 | GLEESPIE #11-1(PA), OH, OH V0                | Merrit#6-66-9-0758CDH(PR), OH, OH V0         |
| BLACKGOLD #5(PR), OH, OH V0                  | ANDERSON JANUARY #1(PR), OH, OH V0           | SOUTH WOODS #10-3(PA), OH, OH V0             |
| Falken 33C-9-L, OH, Plan#1 V0                |  | Fagerberg 36C-7-M, OH, OH V0                 |