

SRC ENERGY

**WELD COUNTY (NAD83, TRUE NORTH)
5N-66W-29 SANFORD 21-29 PAD
SANFORD 40N-27B-XR**

**Wellbore #1
Design #1**

Anticollision Report

25 October, 2018

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|-----------------------|
| Reference | Design #1 | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | MD Interval 100.00usft | Error Model: | ISCWSA |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 1,200.00 usft | Error Surface: | Pedal Curve |
| Warning Levels Evaluated at: | 2.45 Sigma | Casing Method: | Added to Error Values |

| | | | | |
|----------------------------|------------------|--------------------------|---|--------------------|
| Survey Tool Program | Date | 10/25/2018 | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description |
| 0.00 | 1,800.00 | Design #1 (Wellbore #1) | SRC Energy_ISCWSA REV ; Fixed:v2:crustal field declination | |
| 1,800.00 | 20,320.42 | Design #1 (Wellbore #1) | SRC Energy_ISCWSA REV ; Fixed:v2:Rockies, crustal dec + 3-axis correction | |

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|---|--|-------------------------------------|--|---|--------------------------|---------------------|
| Summary | | | | | | |
| Site Name | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| 5N-66W-27 Offsets Incomplete (Need 1 Directional) | | | | | | |
| GRACIE J 27-19 - Patina D/A Well - No Surveys | | | | | | Out of range |
| GRACIE J 27-19X - Noble SI Well - Actual Multishot Surv | 16,957.90 | 7,350.80 | 1,170.94 | 971.69 | 5.877 | CC |
| GRACIE J 27-19X - Noble SI Well - Actual Multishot Surv | 17,000.00 | 7,354.31 | 1,171.69 | 971.43 | 5.851 | ES |
| GRACIE J 27-19X - Noble SI Well - Actual Multishot Surv | 17,100.00 | 7,362.57 | 1,179.49 | 977.62 | 5.843 | SF |
| SHAFTO J27-10 - Noble PR Well - No Surveys | 18,705.35 | 7,036.92 | 935.90 | 493.48 | 2.115 | CC, ES, SF |
| SHAFTO J27-9 - Noble P&A Well - Actual VES Surveys | 19,953.02 | 7,046.98 | 890.27 | 659.36 | 3.855 | CC, ES |
| SHAFTO J27-9 - Noble P&A Well - Actual VES Surveys | 20,000.00 | 7,046.53 | 891.51 | 659.63 | 3.845 | SF |
| UPRC 27-11C - Noble SI Well - No Surveys | 17,222.49 | 7,031.68 | 772.94 | 355.36 | 1.851 | CC, ES, SF |
| UPRC 27-12C - Noble SI Well - No Surveys | 16,035.73 | 7,053.08 | 853.06 | 454.43 | 2.140 | CC, ES |
| UPRC 27-12C - Noble SI Well - No Surveys | 16,100.00 | 7,053.01 | 855.48 | 455.52 | 2.139 | SF |
| UPRC 27-3C Directional Well No Surveys - Noble SI We | 15,909.41 | 7,010.23 | 543.80 | 148.78 | 1.377 | Level 3, CC, ES, SF |
| UPRC 27-4C - Noble SI Well - Actual BHI Tiff Surveys | | | | | | Out of range |
| UPRC 27-5C - Noble T/A Well - Actual VES Surveys | 16,133.68 | 7,256.63 | 324.41 | 152.87 | 1.891 | CC, ES, SF |
| UPRC 27-6C - Noble P&A Well - Actual VES Surveys | 17,344.92 | 7,467.37 | 263.03 | 74.08 | 1.392 | Level 3, CC, ES, SF |
| UPV 27-1H6 - Noble P&A Well - Actual Sperry Surveys | | | | | | Out of range |
| UPV 27-2H6 - Noble PR Well - Actual VES Surveys | | | | | | Out of range |
| UPV 27-7H6 - Noble PR Well - Actual VES Surveys | 18,724.74 | 7,354.65 | 550.58 | 338.34 | 2.594 | CC, ES, SF |
| UPV 27-8H6 - Noble P&A Well - Actual VES Surveys | 20,082.05 | 7,240.85 | 584.74 | 351.41 | 2.506 | CC, ES, SF |

Hewlett-Packard

Anticollision Report

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|---------------------------|---------------------------------|-------------------------------------|------------------------------|
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| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Summary | | | | | | |
|---|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|---------------------|
| Site Name | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| 5N-66W-28 Offsets | | | | | | |
| COLTRANE-IGO 1 - Noble SI Well - No Surveys | 12,100.00 | 7,100.25 | 379.41 | 44.00 | 1.131 | Level 2, ES, SF |
| COLTRANE-IGO 1 - Noble SI Well - No Surveys | 12,100.59 | 7,100.25 | 379.41 | 44.00 | 1.131 | Level 2, CC |
| COLTRANE-PM J 28-4 - Noble PR Well - No Surveys | | | | | | Out of range |
| COLTRANE-PM J28-5 - Noble SI Well - No Surveys | 10,758.24 | 7,124.35 | 655.01 | 340.46 | 2.082 | CC, ES, SF |
| IGO 28-3H6 - Noble SI Well - No Surveys | | | | | | Out of range |
| IGO FARMS J 28-19D - Noble SI Well - Actual Ensign Su | 11,484.43 | 7,152.97 | 932.57 | 837.52 | 9.811 | CC, ES |
| IGO FARMS J 28-19D - Noble SI Well - Actual Ensign Su | 11,500.00 | 7,152.89 | 932.70 | 837.55 | 9.802 | SF |
| IGO FARMS J 28-20D - Noble PR Well - Actual Ensign S | 11,466.46 | 7,286.08 | 215.82 | 118.77 | 2.224 | CC, ES |
| IGO FARMS J 28-20D - Noble PR Well - Actual Ensign S | 11,500.00 | 7,285.67 | 218.41 | 119.11 | 2.200 | SF |
| IGO FARMS J 28-31D - Noble PR Well - Actual Ensign S | | | | | | Out of range |
| IGO FARMS J 28-32D - Noble PR Well - Actual Ensign S | 10,215.49 | 7,357.62 | 238.95 | 154.51 | 2.830 | CC, ES, SF |
| MOSSBERG A-28 - Noble P&A Well - No Surveys | 13,515.04 | 7,062.08 | 906.46 | 549.21 | 2.537 | CC, ES |
| MOSSBERG A-28 - Noble P&A Well - No Surveys | 13,600.00 | 7,061.98 | 910.44 | 551.41 | 2.536 | SF |
| MOSSBERG PM J 28-9 - Noble SI Well - Actual VES Su | 14,845.94 | 7,057.64 | 786.39 | 640.30 | 5.383 | CC, ES |
| MOSSBERG PM J 28-9 - Noble SI Well - Actual VES Su | 14,900.00 | 7,058.46 | 788.25 | 640.94 | 5.351 | SF |
| WIEDEMAN 1 - Noble SI Well - No Surveys | 14,811.02 | 7,078.54 | 392.44 | 13.20 | 1.035 | Level 2, CC, ES, SF |
| WIEDEMAN 28-1H6 - Noble SI Well - No Surveys | | | | | | Out of range |
| WIEDEMAN J 28-17 - Noble SI Well - No Surveys | 14,137.04 | 7,089.34 | 955.82 | 587.35 | 2.594 | CC, ES, SF |
| WIEDEMAN J 28-18D - Noble SI Well - Actual Ensign Su | 12,869.14 | 7,323.67 | 1,058.14 | 922.90 | 7.824 | CC, ES |
| WIEDEMAN J 28-18D - Noble SI Well - Actual Ensign Su | 12,900.00 | 7,323.01 | 1,058.59 | 923.21 | 7.820 | SF |
| WIEDEMAN J 28-21D - Noble SI Well - Actual Ensign Su | 13,068.79 | 7,374.65 | 225.34 | 90.22 | 1.668 | CC, ES, SF |
| WIEDEMAN J 28-22D - Noble SI Well - Actual Ensign Su | 14,146.20 | 7,231.72 | 118.46 | -24.10 | 0.831 | Level 1, CC, ES, SF |
| WIEDEMAN-PM J28-2 - Noble SI Well - No Surveys | | | | | | Out of range |
| WIEDEMAN-PM J28-7 - Noble SI Well - No Surveys | 13,364.95 | 7,100.75 | 491.63 | 135.48 | 1.380 | Level 3, CC, ES, SF |
| WIEST 28-11H6 - Noble SI Well - No Surveys | 12,111.66 | 7,074.74 | 1,146.23 | 811.55 | 3.425 | CC, ES |
| WIEST 28-11H6 - Noble SI Well - No Surveys | 12,200.00 | 7,074.64 | 1,149.63 | 813.07 | 3.416 | SF |
| WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Su | 12,847.01 | 9,744.36 | 485.73 | 299.28 | 2.605 | CC |
| WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Su | 14,957.79 | 11,856.00 | 495.88 | 194.45 | 1.645 | ES, SF |
| ZION PM J 28-12 - Noble PR Well - Actual VES Surveys | 10,618.28 | 7,069.07 | 1,102.59 | 1,025.39 | 14.283 | CC, ES |
| ZION PM J 28-12 - Noble PR Well - Actual VES Surveys | 10,800.00 | 7,068.03 | 1,117.47 | 1,036.73 | 13.841 | SF |

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| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Summary | | | | | | |
|---|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|---------------------|
| Site Name | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| 5N-66W-29 Offsets Incomplete (Need 2 Directionals) | | | | | | |
| BENSLER J 29-17D - Noble PR Well - Actual Ensign Su | 9,024.48 | 7,253.61 | 833.01 | 768.95 | 13.004 | CC, ES, SF |
| BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv | 4,541.11 | 4,640.19 | 763.06 | 730.02 | 23.094 | CC, ES |
| BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv | 7,800.00 | 7,250.62 | 1,018.66 | 968.86 | 20.454 | SF |
| BENSLER J 29-21D (Need Directional Surveys) - Noble | 200.00 | 188.00 | 1,187.58 | 1,177.78 | 121.244 | CC |
| BENSLER J 29-21D (Need Directional Surveys) - Noble | 1,000.00 | 978.96 | 1,199.04 | 1,160.96 | 31.485 | ES, SF |
| BENSLER J 29-27D (Need Directional Surveys) - Noble | | | | | | Out of range |
| CARLSON 10-29 - Noble SI Well - Actual VES Surveys | 8,303.81 | 7,182.15 | 1,064.55 | 1,021.71 | 24.850 | CC, ES |
| CARLSON 10-29 - Noble SI Well - Actual VES Surveys | 8,700.00 | 7,175.52 | 1,135.86 | 1,086.59 | 23.053 | SF |
| HSR-MILLARD 9-29 - Noble SI Well - No Surveys | 9,677.58 | 7,131.63 | 995.35 | 697.51 | 3.342 | CC |
| HSR-MILLARD 9-29 - Noble SI Well - No Surveys | 9,700.00 | 7,131.60 | 995.61 | 697.25 | 3.337 | ES, SF |
| KAMMERZELL 1 - XOG P&A Well - No Surveys | | | | | | Out of range |
| KAMMERZELL 29-3H6 - Noble SI Well - No Surveys | 200.00 | 202.00 | 25.40 | 14.99 | 2.441 | CC |
| KAMMERZELL 29-3H6 - Noble SI Well - No Surveys | 400.00 | 402.16 | 26.39 | 9.29 | 1.544 | ES |
| KAMMERZELL 29-3H6 - Noble SI Well - No Surveys | 500.00 | 502.55 | 29.96 | 9.31 | 1.451 | Level 3, SF |
| KAMMERZELL 29-4H6 - XOG PR Well - No Surveys | | | | | | Out of range |
| KAMMERZELL 29-5 - XOG PR Well - No Surveys | | | | | | Out of range |
| KAMMERZELL 29-6H6 - Noble SI Well - No Surveys | 5,173.61 | 5,058.89 | 41.29 | -152.08 | 0.214 | Level 1, CC, SF |
| KAMMERZELL 29-6H6 - Noble SI Well - No Surveys | 5,200.00 | 5,084.67 | 41.68 | -152.64 | 0.215 | Level 1, ES |
| KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech | 2,764.36 | 2,719.37 | 818.76 | 801.66 | 47.871 | CC |
| KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech | 2,800.00 | 2,753.34 | 818.82 | 801.58 | 47.518 | ES |
| KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech | 6,600.00 | 6,488.66 | 1,121.55 | 1,084.45 | 30.233 | SF |
| UPRC 29-7C - Noble T/A Well - No Surveys | 8,174.85 | 7,149.41 | 348.42 | 70.87 | 1.255 | Level 3, CC, ES, SF |
| UPRC 29-8C - Noble SI Well - No Surveys | 9,300.00 | 7,237.08 | 165.86 | -130.30 | 0.560 | Level 1, ES |
| UPRC 29-8C - Noble SI Well - No Surveys | 9,306.58 | 7,237.07 | 165.73 | -130.24 | 0.560 | Level 1, CC, SF |
| UPV 29-1H6 - Noble PR Well - No Surveys | | | | | | Out of range |
| UPV 29-2H6 - Noble SI Well - No Surveys | | | | | | Out of range |

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Anticollision Report

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|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

Summary

| Site Name | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
|--|--|---------------------------------------|--|---|----------------------|---------------------|
| Offset Well - Wellbore - Design | | | | | | |
| 5N-66W-29 SANFORD 21-29 PAD | | | | | | |
| SANFORD 1C-27-XR - Wellbore #1 - Design #1 | 200.00 | 200.00 | 159.93 | 152.35 | 21.116 | CC, ES |
| SANFORD 1C-27-XR - Wellbore #1 - Design #1 | 300.00 | 301.37 | 160.94 | 153.29 | 21.033 | SF |
| SANFORD 1N-27A-XR - Wellbore #1 - Design #1 | 200.00 | 200.00 | 140.26 | 132.69 | 18.519 | CC, ES |
| SANFORD 1N-27A-XR - Wellbore #1 - Design #1 | 300.00 | 300.83 | 141.49 | 133.84 | 18.490 | SF |
| SANFORD 1N-27B-XR - Wellbore #1 - Design #1 | 200.00 | 200.00 | 179.97 | 172.39 | 23.761 | CC, ES, SF |
| SANFORD 1N-27C-XR - Wellbore #1 - Design #1 | 315.68 | 320.63 | 120.17 | 112.50 | 15.674 | CC, ES, SF |
| SANFORD 26C-27-XR - Wellbore #1 - Design #1 | 200.00 | 200.00 | 240.07 | 232.50 | 31.697 | CC, ES, SF |
| SANFORD 26N-27A-XR - Wellbore #1 - Design #1 | 200.00 | 200.00 | 220.03 | 212.46 | 29.052 | CC, ES, SF |
| SANFORD 26N-27C-XR - Wellbore #1 - Design #1 | 200.00 | 200.00 | 200.00 | 192.42 | 26.406 | CC, ES, SF |
| SANFORD 30C-30-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 266.51 | 258.94 | 35.190 | CC, ES |
| SANFORD 30C-30-M - Wellbore #1 - Design #1 | 300.00 | 292.06 | 269.28 | 261.63 | 35.189 | SF |
| SANFORD 30N-30A-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 250.14 | 242.57 | 33.029 | CC, ES, SF |
| SANFORD 30N-30B-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 283.22 | 275.64 | 37.395 | CC, ES |
| SANFORD 30N-30B-M - Wellbore #1 - Design #1 | 300.00 | 291.08 | 286.12 | 278.46 | 37.389 | SF |
| SANFORD 31N-30B-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 170.07 | 162.50 | 22.456 | CC, ES |
| SANFORD 31N-30B-M - Wellbore #1 - Design #1 | 7,100.00 | 7,818.67 | 837.95 | 799.21 | 21.626 | SF |
| SANFORD 31N-30C-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 180.46 | 172.89 | 23.828 | CC, ES |
| SANFORD 31N-30C-M - Wellbore #1 - Design #1 | 300.00 | 296.27 | 182.25 | 174.60 | 23.817 | SF |
| SANFORD 32N-30B-M - Wellbore #1 - Design #1 | 258.88 | 257.65 | 151.32 | 143.70 | 19.865 | CC, ES |
| SANFORD 32N-30B-M - Wellbore #1 - Design #1 | 7,700.00 | 7,456.20 | 225.10 | 181.92 | 5.213 | SF |
| SANFORD 32N-30C-M - Wellbore #1 - Design #1 | 7,691.84 | 7,483.32 | 1.96 | -40.06 | 0.047 | Level 1, CC, ES, SF |
| SANFORD 40N-27C-XR - Wellbore #1 - Design #1 | 804.83 | 800.66 | 19.64 | 11.08 | 2.295 | CC |
| SANFORD 40N-27C-XR - Wellbore #1 - Design #1 | 20,320.42 | 20,463.70 | 238.34 | -170.95 | 0.582 | Level 1, ES, SF |
| SANFORD 41N-27B-XR - Wellbore #1 - Design #1 | 394.58 | 401.37 | 100.00 | 92.25 | 12.903 | CC |
| SANFORD 41N-27B-XR - Wellbore #1 - Design #1 | 400.00 | 406.79 | 100.00 | 92.25 | 12.891 | ES |
| SANFORD 41N-27B-XR - Wellbore #1 - Design #1 | 20,320.42 | 20,173.81 | 1,107.48 | 665.05 | 2.503 | SF |
| SANFORD 41N-27C-XR - Wellbore #1 - Design #1 | 451.45 | 458.63 | 79.87 | 72.05 | 10.209 | CC, ES |
| SANFORD 41N-27C-XR - Wellbore #1 - Design #1 | 20,320.42 | 20,257.60 | 873.17 | 432.53 | 1.982 | SF |
| SANFORD 4C-30-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 205.37 | 197.80 | 27.117 | CC, ES |
| SANFORD 4C-30-M - Wellbore #1 - Design #1 | 300.00 | 295.69 | 207.42 | 199.76 | 27.104 | SF |
| SANFORD 4N-30A-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 192.17 | 184.60 | 25.374 | CC, ES, SF |
| SANFORD 4N-30B-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 219.42 | 211.85 | 28.972 | CC, ES, SF |
| SANFORD 4N-30C-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 234.51 | 226.94 | 30.965 | CC, ES, SF |
| SANFORD 5C-30-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 155.44 | 147.87 | 20.524 | CC, ES |
| SANFORD 5C-30-M - Wellbore #1 - Design #1 | 7,784.63 | 7,432.22 | 375.98 | 334.42 | 9.048 | SF |
| SANFORD 5N-30B-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 151.37 | 143.80 | 19.987 | CC, ES |
| SANFORD 5N-30B-M - Wellbore #1 - Design #1 | 7,446.34 | 7,631.11 | 199.82 | 159.57 | 4.965 | SF |
| SANFORD 5N-30C-M - Wellbore #1 - Design #1 | 200.00 | 199.00 | 161.65 | 154.07 | 21.344 | CC, ES |
| SANFORD 5N-30C-M - Wellbore #1 - Design #1 | 7,412.32 | 7,666.78 | 643.01 | 603.99 | 16.479 | SF |
| SANFORD 8C-27-XR - Wellbore #1 - Design #1 | 560.75 | 568.43 | 59.67 | 51.67 | 7.457 | CC, ES |
| SANFORD 8C-27-XR - Wellbore #1 - Design #1 | 20,320.42 | 20,416.74 | 717.98 | 289.80 | 1.677 | SF |
| SANFORD 8N-27B-XR - Wellbore #1 - Design #1 | 649.27 | 655.60 | 39.60 | 31.42 | 4.843 | CC |
| SANFORD 8N-27B-XR - Wellbore #1 - Design #1 | 20,319.29 | 20,246.47 | 446.53 | 4.87 | 1.011 | Level 2, ES, SF |
| SANFORD 8N-27C-XR - Wellbore #1 - Design #1 | 734.66 | 738.40 | 19.70 | 11.32 | 2.352 | CC |
| SANFORD 8N-27C-XR - Wellbore #1 - Design #1 | 20,320.42 | 20,344.12 | 253.19 | -155.94 | 0.619 | Level 1, ES, SF |

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| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
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| | | | | | | | | | | | | | |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
| 5N-66W-27 Offsets Incomplete (Need 1 Directional) - GRACIE J 27-19X - Noble SI Well - Actual Multish | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Survey Program: 100-SRC Energy_2° CONE_2.448, 478-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | | |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 16,700.00 | 7,148.30 | 7,328.70 | 6,990.48 | 161.18 | 48.00 | -86.35 | -320.06 | 9,850.80 | 1,198.88 | 1,009.58 | 189.30 | 6.333 | |
| 16,800.00 | 7,148.18 | 7,337.38 | 6,999.14 | 162.83 | 48.02 | -86.78 | -319.62 | 9,851.27 | 1,181.49 | 987.66 | 193.83 | 6.096 | |
| 16,900.00 | 7,148.06 | 7,345.92 | 7,007.65 | 164.49 | 48.04 | -87.19 | -319.22 | 9,851.73 | 1,172.36 | 974.82 | 197.54 | 5.935 | |
| 16,957.90 | 7,147.99 | 7,350.80 | 7,012.52 | 165.45 | 48.05 | -87.43 | -319.00 | 9,851.99 | 1,170.94 | 971.69 | 199.24 | 5.877 CC | |
| 17,000.00 | 7,147.94 | 7,354.31 | 7,016.03 | 166.15 | 48.06 | -87.60 | -318.84 | 9,852.18 | 1,171.69 | 971.43 | 200.25 | 5.851 ES | |
| 17,100.00 | 7,147.82 | 7,362.57 | 7,024.27 | 167.81 | 48.08 | -88.01 | -318.49 | 9,852.61 | 1,179.49 | 977.62 | 201.86 | 5.843 SF | |
| 17,200.00 | 7,147.70 | 7,370.70 | 7,032.38 | 169.47 | 48.10 | -88.40 | -318.17 | 9,853.04 | 1,195.60 | 993.26 | 202.34 | 5.909 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - SHAFTO J27-10 - Noble PR Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|------------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 18,000.00 | 7,146.75 | 7,037.75 | 7,037.75 | 182.75 | 247.61 | 90.05 | -2,429.31 | 11,593.88 | 1,171.94 | 782.33 | 389.60 | 3.008 | |
| 18,100.00 | 7,146.64 | 7,037.64 | 7,037.64 | 184.41 | 247.61 | 90.04 | -2,429.31 | 11,593.88 | 1,114.62 | 715.84 | 398.77 | 2.795 | |
| 18,200.00 | 7,146.52 | 7,037.52 | 7,037.52 | 186.08 | 247.61 | 90.04 | -2,429.31 | 11,593.88 | 1,063.62 | 655.60 | 408.03 | 2.607 | |
| 18,300.00 | 7,146.40 | 7,037.40 | 7,037.40 | 187.74 | 247.60 | 90.03 | -2,429.31 | 11,593.88 | 1,019.91 | 602.86 | 417.05 | 2.446 | |
| 18,400.00 | 7,146.28 | 7,037.28 | 7,037.28 | 189.40 | 247.60 | 90.02 | -2,429.31 | 11,593.88 | 984.46 | 559.01 | 425.45 | 2.314 | |
| 18,500.00 | 7,146.16 | 7,037.16 | 7,037.16 | 191.06 | 247.59 | 90.01 | -2,429.31 | 11,593.88 | 958.17 | 525.42 | 432.75 | 2.214 | |
| 18,600.00 | 7,146.04 | 7,037.04 | 7,037.04 | 192.72 | 247.59 | 90.01 | -2,429.31 | 11,593.88 | 941.81 | 503.33 | 438.48 | 2.148 | |
| 18,700.00 | 7,145.92 | 7,036.92 | 7,036.92 | 194.39 | 247.59 | 90.00 | -2,429.31 | 11,593.88 | 935.92 | 493.64 | 442.28 | 2.116 | |
| 18,705.35 | 7,145.92 | 7,036.92 | 7,036.92 | 194.48 | 247.58 | 90.00 | -2,429.31 | 11,593.88 | 935.90 | 493.48 | 442.42 | 2.115 | CC, ES, SF |
| 18,800.00 | 7,145.80 | 7,036.80 | 7,036.80 | 196.05 | 247.58 | 89.99 | -2,429.31 | 11,593.88 | 940.68 | 496.73 | 443.94 | 2.119 | |
| 18,900.00 | 7,145.69 | 7,036.69 | 7,036.69 | 197.71 | 247.58 | 89.99 | -2,429.31 | 11,593.88 | 955.93 | 512.46 | 443.47 | 2.156 | |
| 19,000.00 | 7,145.57 | 7,036.57 | 7,036.57 | 199.37 | 247.57 | 89.98 | -2,429.31 | 11,593.88 | 981.19 | 540.11 | 441.08 | 2.225 | |
| 19,100.00 | 7,145.45 | 7,036.45 | 7,036.45 | 201.04 | 247.57 | 89.97 | -2,429.31 | 11,593.88 | 1,015.71 | 578.59 | 437.12 | 2.324 | |
| 19,200.00 | 7,145.33 | 7,036.33 | 7,036.33 | 202.70 | 247.56 | 89.96 | -2,429.31 | 11,593.88 | 1,058.58 | 626.57 | 432.01 | 2.450 | |
| 19,300.00 | 7,145.21 | 7,036.21 | 7,036.21 | 204.36 | 247.56 | 89.96 | -2,429.31 | 11,593.88 | 1,108.84 | 682.70 | 426.14 | 2.602 | |
| 19,400.00 | 7,145.09 | 7,036.09 | 7,036.09 | 206.03 | 247.56 | 89.95 | -2,429.31 | 11,593.88 | 1,165.53 | 745.66 | 419.87 | 2.776 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| 5N-66W-27 Offsets Incomplete (Need 1 Directional) - SHAFTO J27-9 - Noble P&A Well - Actual VES Su | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7200-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 19,200.00 | 7,145.33 | 7,053.88 | 7,052.71 | 202.70 | 15.47 | 90.85 | -2,386.94 | 12,841.61 | 1,166.01 | 999.95 | 166.06 | 7.022 | |
| 19,300.00 | 7,145.21 | 7,053.00 | 7,051.83 | 204.36 | 15.46 | 90.80 | -2,386.94 | 12,841.62 | 1,104.07 | 927.80 | 176.28 | 6.263 | |
| 19,400.00 | 7,145.09 | 7,052.11 | 7,050.94 | 206.03 | 15.46 | 90.74 | -2,386.95 | 12,841.62 | 1,048.04 | 861.24 | 186.80 | 5.611 | |
| 19,500.00 | 7,144.97 | 7,051.21 | 7,050.04 | 207.69 | 15.46 | 90.68 | -2,386.96 | 12,841.63 | 998.90 | 801.59 | 197.31 | 5.063 | |
| 19,600.00 | 7,144.86 | 7,050.30 | 7,049.13 | 209.35 | 15.46 | 90.62 | -2,386.96 | 12,841.64 | 957.70 | 750.35 | 207.36 | 4.619 | |
| 19,700.00 | 7,144.74 | 7,049.38 | 7,048.21 | 211.02 | 15.46 | 90.56 | -2,386.97 | 12,841.65 | 925.53 | 709.12 | 216.40 | 4.277 | |
| 19,800.00 | 7,144.62 | 7,048.44 | 7,047.27 | 212.68 | 15.45 | 90.50 | -2,386.98 | 12,841.66 | 903.33 | 679.48 | 223.84 | 4.036 | |
| 19,900.00 | 7,144.50 | 7,047.49 | 7,046.32 | 214.35 | 15.45 | 90.44 | -2,386.98 | 12,841.66 | 891.85 | 662.72 | 229.13 | 3.892 | |
| 19,953.02 | 7,144.44 | 7,046.98 | 7,045.81 | 215.23 | 15.45 | 90.41 | -2,386.99 | 12,841.67 | 890.27 | 659.36 | 230.92 | 3.855 CC, ES | |
| 20,000.00 | 7,144.38 | 7,046.53 | 7,045.36 | 216.01 | 15.45 | 90.38 | -2,386.99 | 12,841.67 | 891.51 | 659.63 | 231.88 | 3.845 SF | |
| 20,100.00 | 7,144.26 | 7,045.56 | 7,044.39 | 217.67 | 15.45 | 90.32 | -2,387.00 | 12,841.68 | 902.33 | 670.33 | 232.00 | 3.889 | |
| 20,200.00 | 7,144.14 | 7,044.58 | 7,043.41 | 219.34 | 15.45 | 90.26 | -2,387.00 | 12,841.69 | 923.90 | 694.24 | 229.66 | 4.023 | |
| 20,300.00 | 7,144.02 | 7,043.58 | 7,042.41 | 221.00 | 15.44 | 90.19 | -2,387.01 | 12,841.70 | 955.50 | 730.24 | 225.26 | 4.242 | |
| 20,320.42 | 7,144.00 | 7,043.37 | 7,042.20 | 221.34 | 15.44 | 90.18 | -2,387.01 | 12,841.70 | 963.10 | 738.95 | 224.15 | 4.297 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-11C - Noble SI Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 16,400.00 | 7,148.65 | 7,032.65 | 7,032.65 | 156.20 | 247.43 | 90.07 | -2,262.39 | 10,111.45 | 1,128.68 | 778.50 | 350.17 | 3.223 | |
| 16,500.00 | 7,148.53 | 7,032.53 | 7,032.53 | 157.86 | 247.43 | 90.06 | -2,262.39 | 10,111.45 | 1,058.02 | 699.46 | 358.57 | 2.951 | |
| 16,600.00 | 7,148.42 | 7,032.42 | 7,032.42 | 159.52 | 247.43 | 90.05 | -2,262.39 | 10,111.45 | 992.43 | 624.81 | 367.62 | 2.700 | |
| 16,700.00 | 7,148.30 | 7,032.30 | 7,032.30 | 161.18 | 247.42 | 90.05 | -2,262.39 | 10,111.45 | 932.96 | 555.78 | 377.18 | 2.474 | |
| 16,800.00 | 7,148.18 | 7,032.18 | 7,032.18 | 162.83 | 247.42 | 90.04 | -2,262.39 | 10,111.45 | 880.87 | 493.91 | 386.95 | 2.276 | |
| 16,900.00 | 7,148.06 | 7,032.06 | 7,032.06 | 164.49 | 247.41 | 90.03 | -2,262.39 | 10,111.45 | 837.51 | 441.04 | 396.47 | 2.112 | |
| 17,000.00 | 7,147.94 | 7,031.94 | 7,031.94 | 166.15 | 247.41 | 90.02 | -2,262.39 | 10,111.45 | 804.32 | 399.22 | 405.10 | 1.985 | |
| 17,100.00 | 7,147.82 | 7,031.82 | 7,031.82 | 167.81 | 247.40 | 90.01 | -2,262.39 | 10,111.45 | 782.58 | 370.46 | 412.12 | 1.899 | |
| 17,200.00 | 7,147.70 | 7,031.70 | 7,031.70 | 169.47 | 247.40 | 90.00 | -2,262.39 | 10,111.45 | 773.26 | 356.39 | 416.87 | 1.855 | |
| 17,222.49 | 7,147.68 | 7,031.68 | 7,031.68 | 169.84 | 247.40 | 90.00 | -2,262.39 | 10,111.45 | 772.94 | 355.36 | 417.58 | 1.851 CC, ES, SF | |
| 17,300.00 | 7,147.58 | 7,031.58 | 7,031.58 | 171.13 | 247.40 | 89.99 | -2,262.39 | 10,111.45 | 776.81 | 357.88 | 418.94 | 1.854 | |
| 17,400.00 | 7,147.47 | 7,031.47 | 7,031.47 | 172.79 | 247.39 | 89.98 | -2,262.39 | 10,111.45 | 793.06 | 374.77 | 418.29 | 1.896 | |
| 17,500.00 | 7,147.35 | 7,031.35 | 7,031.35 | 174.45 | 247.39 | 89.98 | -2,262.39 | 10,111.45 | 821.25 | 405.97 | 415.28 | 1.978 | |
| 17,600.00 | 7,147.23 | 7,031.23 | 7,031.23 | 176.11 | 247.38 | 89.97 | -2,262.39 | 10,111.45 | 860.20 | 449.73 | 410.48 | 2.096 | |
| 17,700.00 | 7,147.11 | 7,031.11 | 7,031.11 | 177.77 | 247.38 | 89.96 | -2,262.39 | 10,111.45 | 908.54 | 504.03 | 404.52 | 2.246 | |
| 17,800.00 | 7,146.99 | 7,030.99 | 7,030.99 | 179.43 | 247.37 | 89.95 | -2,262.39 | 10,111.45 | 964.86 | 566.89 | 397.97 | 2.424 | |
| 17,900.00 | 7,146.87 | 7,030.87 | 7,030.87 | 181.09 | 247.37 | 89.94 | -2,262.39 | 10,111.45 | 1,027.84 | 636.58 | 391.26 | 2.627 | |
| 18,000.00 | 7,146.75 | 7,030.75 | 7,030.75 | 182.75 | 247.37 | 89.93 | -2,262.39 | 10,111.45 | 1,096.34 | 711.66 | 384.68 | 2.850 | |
| 18,100.00 | 7,146.64 | 7,030.64 | 7,030.64 | 184.41 | 247.36 | 89.92 | -2,262.39 | 10,111.45 | 1,169.39 | 790.97 | 378.42 | 3.090 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-12C - Noble SI Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 15,200.00 | 7,150.08 | 7,054.08 | 7,054.08 | 136.34 | 248.19 | 90.07 | -2,339.35 | 8,924.49 | 1,194.22 | 852.78 | 341.44 | 3.498 | |
| 15,300.00 | 7,149.96 | 7,053.96 | 7,053.96 | 138.00 | 248.19 | 90.06 | -2,339.35 | 8,924.49 | 1,126.50 | 777.89 | 348.61 | 3.231 | |
| 15,400.00 | 7,149.84 | 7,053.84 | 7,053.84 | 139.65 | 248.18 | 90.05 | -2,339.35 | 8,924.49 | 1,063.89 | 707.64 | 356.25 | 2.986 | |
| 15,500.00 | 7,149.72 | 7,053.72 | 7,053.72 | 141.30 | 248.18 | 90.04 | -2,339.35 | 8,924.49 | 1,007.33 | 643.11 | 364.22 | 2.766 | |
| 15,600.00 | 7,149.60 | 7,053.60 | 7,053.60 | 142.96 | 248.18 | 90.03 | -2,339.35 | 8,924.49 | 957.90 | 585.62 | 372.28 | 2.573 | |
| 15,700.00 | 7,149.48 | 7,053.48 | 7,053.48 | 144.61 | 248.17 | 90.03 | -2,339.35 | 8,924.49 | 916.75 | 536.65 | 380.10 | 2.412 | |
| 15,800.00 | 7,149.36 | 7,053.36 | 7,053.36 | 146.27 | 248.17 | 90.02 | -2,339.35 | 8,924.49 | 885.03 | 497.80 | 387.23 | 2.286 | |
| 15,900.00 | 7,149.25 | 7,053.25 | 7,053.25 | 147.92 | 248.16 | 90.01 | -2,339.35 | 8,924.49 | 863.79 | 470.60 | 393.19 | 2.197 | |
| 16,000.00 | 7,149.13 | 7,053.13 | 7,053.13 | 149.58 | 248.16 | 90.00 | -2,339.35 | 8,924.49 | 853.81 | 456.28 | 397.53 | 2.148 | |
| 16,035.73 | 7,149.08 | 7,053.08 | 7,053.08 | 150.17 | 248.16 | 90.00 | -2,339.35 | 8,924.49 | 853.06 | 454.43 | 398.63 | 2.140 CC, ES | |
| 16,100.00 | 7,149.01 | 7,053.01 | 7,053.01 | 151.23 | 248.16 | 89.99 | -2,339.35 | 8,924.49 | 855.48 | 455.52 | 399.96 | 2.139 SF | |
| 16,200.00 | 7,148.89 | 7,052.89 | 7,052.89 | 152.89 | 248.15 | 89.99 | -2,339.35 | 8,924.49 | 868.73 | 468.34 | 400.39 | 2.170 | |
| 16,300.00 | 7,148.77 | 7,052.77 | 7,052.77 | 154.55 | 248.15 | 89.98 | -2,339.35 | 8,924.49 | 893.06 | 494.07 | 398.99 | 2.238 | |
| 16,400.00 | 7,148.65 | 7,052.65 | 7,052.65 | 156.20 | 248.14 | 89.97 | -2,339.35 | 8,924.49 | 927.58 | 531.50 | 396.08 | 2.342 | |
| 16,500.00 | 7,148.53 | 7,052.53 | 7,052.53 | 157.86 | 248.14 | 89.96 | -2,339.35 | 8,924.49 | 971.22 | 579.14 | 392.08 | 2.477 | |
| 16,600.00 | 7,148.42 | 7,052.42 | 7,052.42 | 159.52 | 248.13 | 89.96 | -2,339.35 | 8,924.49 | 1,022.80 | 635.42 | 387.38 | 2.640 | |
| 16,700.00 | 7,148.30 | 7,052.30 | 7,052.30 | 161.18 | 248.13 | 89.95 | -2,339.35 | 8,924.49 | 1,081.19 | 698.85 | 382.34 | 2.828 | |
| 16,800.00 | 7,148.18 | 7,052.18 | 7,052.18 | 162.83 | 248.13 | 89.94 | -2,339.35 | 8,924.49 | 1,145.35 | 768.15 | 377.20 | 3.036 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-3C Directional Well No Surveys - Noble | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|---------------------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 14,900.00 | 7,150.43 | 7,011.43 | 7,011.43 | 131.39 | 246.68 | 90.13 | -2,029.75 | 8,798.99 | 1,146.57 | 840.56 | 306.00 | 3.747 | |
| 15,000.00 | 7,150.31 | 7,011.31 | 7,011.31 | 133.04 | 246.68 | 90.11 | -2,029.75 | 8,798.99 | 1,059.59 | 748.04 | 311.55 | 3.401 | |
| 15,100.00 | 7,150.20 | 7,011.20 | 7,011.20 | 134.69 | 246.67 | 90.10 | -2,029.75 | 8,798.99 | 975.12 | 657.07 | 318.04 | 3.066 | |
| 15,200.00 | 7,150.08 | 7,011.08 | 7,011.08 | 136.34 | 246.67 | 90.09 | -2,029.75 | 8,798.99 | 893.85 | 568.24 | 325.61 | 2.745 | |
| 15,300.00 | 7,149.96 | 7,010.96 | 7,010.96 | 138.00 | 246.67 | 90.08 | -2,029.75 | 8,798.99 | 816.76 | 482.36 | 334.39 | 2.443 | |
| 15,400.00 | 7,149.84 | 7,010.84 | 7,010.84 | 139.65 | 246.66 | 90.06 | -2,029.75 | 8,798.99 | 745.12 | 400.69 | 344.43 | 2.163 | |
| 15,500.00 | 7,149.72 | 7,010.72 | 7,010.72 | 141.30 | 246.66 | 90.05 | -2,029.75 | 8,798.99 | 680.68 | 325.06 | 355.62 | 1.914 | |
| 15,600.00 | 7,149.60 | 7,010.60 | 7,010.60 | 142.96 | 246.65 | 90.04 | -2,029.75 | 8,798.99 | 625.66 | 258.18 | 367.48 | 1.703 | |
| 15,700.00 | 7,149.48 | 7,010.48 | 7,010.48 | 144.61 | 246.65 | 90.03 | -2,029.75 | 8,798.99 | 582.72 | 203.71 | 379.01 | 1.537 | |
| 15,800.00 | 7,149.36 | 7,010.36 | 7,010.36 | 146.27 | 246.64 | 90.01 | -2,029.75 | 8,798.99 | 554.69 | 166.04 | 388.65 | 1.427 | Level 3 |
| 15,900.00 | 7,149.25 | 7,010.25 | 7,010.25 | 147.92 | 246.64 | 90.00 | -2,029.75 | 8,798.99 | 543.88 | 149.20 | 394.68 | 1.378 | Level 3 |
| 15,909.41 | 7,149.23 | 7,010.23 | 7,010.23 | 148.08 | 246.64 | 90.00 | -2,029.75 | 8,798.99 | 543.80 | 148.78 | 395.01 | 1.377 | Level 3, CC, ES, SF |
| 16,000.00 | 7,149.13 | 7,010.13 | 7,010.13 | 149.58 | 246.64 | 89.99 | -2,029.75 | 8,798.99 | 551.29 | 155.26 | 396.04 | 1.392 | Level 3 |
| 16,100.00 | 7,149.01 | 7,010.01 | 7,010.01 | 151.23 | 246.63 | 89.98 | -2,029.75 | 8,798.99 | 576.23 | 183.29 | 392.94 | 1.466 | Level 3 |
| 16,200.00 | 7,148.89 | 7,009.89 | 7,009.89 | 152.89 | 246.63 | 89.96 | -2,029.75 | 8,798.99 | 616.57 | 229.91 | 386.66 | 1.595 | |
| 16,300.00 | 7,148.77 | 7,009.77 | 7,009.77 | 154.55 | 246.62 | 89.95 | -2,029.75 | 8,798.99 | 669.54 | 290.78 | 378.75 | 1.768 | |
| 16,400.00 | 7,148.65 | 7,009.65 | 7,009.65 | 156.20 | 246.62 | 89.94 | -2,029.75 | 8,798.99 | 732.39 | 361.97 | 370.42 | 1.977 | |
| 16,500.00 | 7,148.53 | 7,009.53 | 7,009.53 | 157.86 | 246.61 | 89.93 | -2,029.75 | 8,798.99 | 802.82 | 440.42 | 362.40 | 2.215 | |
| 16,600.00 | 7,148.42 | 7,009.42 | 7,009.42 | 159.52 | 246.61 | 89.91 | -2,029.75 | 8,798.99 | 879.00 | 523.95 | 355.04 | 2.476 | |
| 16,700.00 | 7,148.30 | 7,009.30 | 7,009.30 | 161.18 | 246.61 | 89.90 | -2,029.75 | 8,798.99 | 959.56 | 611.09 | 348.47 | 2.754 | |
| 16,800.00 | 7,148.18 | 7,009.18 | 7,009.18 | 162.83 | 246.60 | 89.89 | -2,029.75 | 8,798.99 | 1,043.49 | 700.83 | 342.66 | 3.045 | |
| 16,900.00 | 7,148.06 | 7,009.06 | 7,009.06 | 164.49 | 246.60 | 89.88 | -2,029.75 | 8,798.99 | 1,130.04 | 792.48 | 337.56 | 3.348 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-5C - Noble T/A Well - Actual VES Survey | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 6950-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 15,000.00 | 7,150.31 | 7,264.92 | 7,027.79 | 133.04 | 20.54 | -93.15 | -1,162.53 | 9,025.54 | 1,179.15 | 1,106.82 | 72.34 | 16.301 | |
| 15,100.00 | 7,150.20 | 7,264.19 | 7,027.06 | 134.69 | 20.52 | -93.02 | -1,162.51 | 9,025.55 | 1,083.37 | 1,007.86 | 75.50 | 14.349 | |
| 15,200.00 | 7,150.08 | 7,263.46 | 7,026.33 | 136.34 | 20.50 | -92.89 | -1,162.49 | 9,025.55 | 988.41 | 909.12 | 79.29 | 12.465 | |
| 15,300.00 | 7,149.96 | 7,262.73 | 7,025.59 | 138.00 | 20.49 | -92.76 | -1,162.47 | 9,025.56 | 894.55 | 810.66 | 83.89 | 10.663 | |
| 15,400.00 | 7,149.84 | 7,262.00 | 7,024.86 | 139.65 | 20.47 | -92.63 | -1,162.45 | 9,025.56 | 802.18 | 712.65 | 89.54 | 8.959 | |
| 15,500.00 | 7,149.72 | 7,261.27 | 7,024.13 | 141.30 | 20.45 | -92.50 | -1,162.42 | 9,025.56 | 711.88 | 615.33 | 96.55 | 7.373 | |
| 15,600.00 | 7,149.60 | 7,260.53 | 7,023.40 | 142.96 | 20.43 | -92.37 | -1,162.40 | 9,025.57 | 624.53 | 519.18 | 105.35 | 5.928 | |
| 15,700.00 | 7,149.48 | 7,259.80 | 7,022.67 | 144.61 | 20.38 | -92.24 | -1,162.38 | 9,025.57 | 541.58 | 425.20 | 116.38 | 4.653 | |
| 15,800.00 | 7,149.36 | 7,259.07 | 7,021.94 | 146.27 | 20.40 | -92.11 | -1,162.36 | 9,025.58 | 465.38 | 335.24 | 130.13 | 3.576 | |
| 15,900.00 | 7,149.25 | 7,258.34 | 7,021.21 | 147.92 | 20.35 | -91.99 | -1,162.34 | 9,025.58 | 399.80 | 253.71 | 146.09 | 2.737 | |
| 16,000.00 | 7,149.13 | 7,257.61 | 7,020.48 | 149.58 | 20.37 | -91.86 | -1,162.32 | 9,025.59 | 350.87 | 189.06 | 161.81 | 2.168 | |
| 16,100.00 | 7,149.01 | 7,256.88 | 7,019.75 | 151.23 | 20.35 | -91.73 | -1,162.30 | 9,025.59 | 326.15 | 155.07 | 171.08 | 1.906 | |
| 16,133.68 | 7,148.97 | 7,256.63 | 7,019.50 | 151.79 | 20.34 | -91.68 | -1,162.29 | 9,025.59 | 324.41 | 152.87 | 171.53 | 1.891 CC, ES, SF | |
| 16,200.00 | 7,148.89 | 7,256.15 | 7,019.02 | 152.89 | 20.33 | -91.60 | -1,162.27 | 9,025.60 | 331.11 | 163.14 | 167.97 | 1.971 | |
| 16,300.00 | 7,148.77 | 7,255.42 | 7,018.29 | 154.55 | 20.29 | -91.47 | -1,162.25 | 9,025.60 | 364.55 | 210.43 | 154.13 | 2.365 | |
| 16,400.00 | 7,148.65 | 7,254.68 | 7,017.55 | 156.20 | 20.30 | -91.34 | -1,162.23 | 9,025.61 | 419.71 | 283.02 | 136.70 | 3.070 | |
| 16,500.00 | 7,148.53 | 7,253.95 | 7,016.82 | 157.86 | 20.26 | -91.21 | -1,162.21 | 9,025.61 | 489.31 | 368.74 | 120.56 | 4.058 | |
| 16,600.00 | 7,148.42 | 7,253.22 | 7,016.09 | 159.52 | 20.25 | -91.08 | -1,162.19 | 9,025.61 | 568.05 | 460.74 | 107.31 | 5.293 | |
| 16,700.00 | 7,148.30 | 7,252.49 | 7,015.36 | 161.18 | 20.24 | -90.95 | -1,162.17 | 9,025.62 | 652.64 | 555.80 | 96.84 | 6.739 | |
| 16,800.00 | 7,148.18 | 7,251.76 | 7,014.63 | 162.83 | 20.22 | -90.82 | -1,162.15 | 9,025.62 | 741.08 | 652.44 | 88.63 | 8.361 | |
| 16,900.00 | 7,148.06 | 7,251.03 | 7,013.90 | 164.49 | 20.21 | -90.69 | -1,162.12 | 9,025.63 | 832.14 | 749.96 | 82.17 | 10.127 | |
| 17,000.00 | 7,147.94 | 7,250.30 | 7,013.17 | 166.15 | 20.19 | -90.57 | -1,162.10 | 9,025.63 | 925.04 | 848.00 | 77.04 | 12.007 | |
| 17,100.00 | 7,147.82 | 7,249.57 | 7,012.44 | 167.81 | 20.18 | -90.44 | -1,162.08 | 9,025.64 | 1,019.29 | 946.36 | 72.93 | 13.976 | |
| 17,200.00 | 7,147.70 | 7,251.17 | 7,011.71 | 169.47 | 20.21 | -90.31 | -1,162.06 | 9,025.64 | 1,114.55 | 1,044.89 | 69.66 | 16.001 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-6C - Noble P&A Well - Actual VES Surv | | | | Offset Site Error: | | 0.00 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|---------------------|------------------------|---|---------------------------|-------------------|---------------------|--------------------|--|-----------|
| Survey Program: | | | | | | | | | | 100-SRC Energy_VESSI GyroFlex V4, 7750-SRC Energy_UNKNOWN | | | | Offset Well Error: | | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Centre +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | | | |
| 16,200.00 | 7,148.89 | 6,977.40 | 6,513.82 | 152.89 | 17.94 | -19.54 | -1,313.69 | 10,074.49 | 1,115.00 | 1,045.93 | 69.07 | 16.143 | | | | |
| 16,300.00 | 7,148.77 | 7,040.54 | 6,570.20 | 154.55 | 18.18 | -23.25 | -1,301.05 | 10,099.96 | 1,026.62 | 955.44 | 71.18 | 14.423 | | | | |
| 16,400.00 | 7,148.65 | 7,099.40 | 6,623.32 | 156.20 | 18.40 | -27.39 | -1,289.83 | 10,122.67 | 938.00 | 864.06 | 73.94 | 12.686 | | | | |
| 16,500.00 | 7,148.53 | 7,160.27 | 6,678.90 | 157.86 | 18.62 | -32.58 | -1,278.82 | 10,144.93 | 849.26 | 771.80 | 77.46 | 10.964 | | | | |
| 16,600.00 | 7,148.42 | 7,214.45 | 6,728.92 | 159.52 | 18.81 | -38.20 | -1,269.52 | 10,163.55 | 760.66 | 678.46 | 82.19 | 9.255 | | | | |
| 16,700.00 | 7,148.30 | 7,263.11 | 6,774.28 | 161.18 | 18.98 | -44.23 | -1,261.52 | 10,179.23 | 672.71 | 584.19 | 88.52 | 7.600 | | | | |
| 16,800.00 | 7,148.18 | 7,306.03 | 6,814.61 | 162.83 | 19.12 | -50.46 | -1,254.72 | 10,192.23 | 586.20 | 489.18 | 97.02 | 6.042 | | | | |
| 16,900.00 | 7,148.06 | 7,338.51 | 6,845.27 | 164.49 | 19.23 | -55.77 | -1,249.65 | 10,201.67 | 502.54 | 394.10 | 108.43 | 4.635 | | | | |
| 17,000.00 | 7,147.94 | 7,370.06 | 6,875.15 | 166.15 | 19.33 | -61.42 | -1,244.76 | 10,210.59 | 423.80 | 300.01 | 123.79 | 3.424 | | | | |
| 17,100.00 | 7,147.82 | 7,399.92 | 6,903.48 | 167.81 | 19.43 | -67.17 | -1,240.16 | 10,218.80 | 353.50 | 209.60 | 143.91 | 2.456 | | | | |
| 17,200.00 | 7,147.70 | 7,428.39 | 6,930.56 | 169.47 | 19.52 | -72.93 | -1,235.80 | 10,226.44 | 297.91 | 130.55 | 167.36 | 1.780 | | | | |
| 17,300.00 | 7,147.58 | 7,455.56 | 6,956.46 | 171.13 | 19.61 | -78.59 | -1,231.70 | 10,233.55 | 266.59 | 80.65 | 185.94 | 1.434 | Level 3 | | | |
| 17,344.92 | 7,147.53 | 7,467.37 | 6,967.73 | 171.88 | 19.65 | -81.08 | -1,229.93 | 10,236.59 | 263.03 | 74.08 | 188.95 | 1.392 | Level 3, CC, ES, SF | | | |
| 17,400.00 | 7,147.47 | 7,481.51 | 6,981.24 | 172.79 | 19.70 | -84.05 | -1,227.83 | 10,240.20 | 268.37 | 81.77 | 186.60 | 1.438 | Level 3 | | | |
| 17,500.00 | 7,147.35 | 7,506.43 | 7,005.09 | 174.45 | 19.77 | -89.26 | -1,224.15 | 10,246.43 | 302.82 | 133.39 | 169.43 | 1.787 | | | | |
| 17,600.00 | 7,147.23 | 7,530.39 | 7,028.07 | 176.11 | 19.83 | -94.16 | -1,220.70 | 10,252.27 | 360.79 | 213.64 | 147.15 | 2.452 | | | | |
| 17,700.00 | 7,147.11 | 7,553.04 | 7,049.84 | 177.77 | 19.89 | -98.63 | -1,217.53 | 10,257.64 | 433.05 | 305.36 | 127.69 | 3.391 | | | | |
| 17,800.00 | 7,146.99 | 7,574.49 | 7,070.50 | 179.43 | 19.95 | -102.69 | -1,214.60 | 10,262.58 | 513.68 | 401.09 | 112.58 | 4.563 | | | | |
| 17,900.00 | 7,146.87 | 7,594.82 | 7,090.13 | 181.09 | 20.00 | -106.37 | -1,211.90 | 10,267.15 | 599.38 | 498.20 | 101.18 | 5.924 | | | | |
| 18,000.00 | 7,146.75 | 7,613.80 | 7,108.49 | 182.75 | 20.04 | -109.62 | -1,209.44 | 10,271.30 | 688.32 | 595.81 | 92.51 | 7.440 | | | | |
| 18,100.00 | 7,146.64 | 7,631.75 | 7,125.87 | 184.41 | 20.08 | -112.55 | -1,207.13 | 10,275.14 | 779.43 | 693.58 | 85.85 | 9.079 | | | | |
| 18,200.00 | 7,146.52 | 7,651.41 | 7,142.20 | 186.08 | 20.12 | -115.14 | -1,204.98 | 10,278.65 | 872.07 | 791.42 | 80.66 | 10.812 | | | | |
| 18,300.00 | 7,146.40 | 7,669.00 | 7,162.00 | 187.74 | 20.17 | -118.10 | -1,202.40 | 10,282.84 | 965.79 | 889.01 | 76.78 | 12.578 | | | | |
| 18,400.00 | 7,146.28 | 7,689.41 | 7,181.81 | 189.40 | 20.23 | -120.86 | -1,199.82 | 10,287.04 | 1,060.27 | 986.52 | 73.75 | 14.376 | | | | |
| 18,500.00 | 7,146.16 | 7,709.82 | 7,201.62 | 191.06 | 20.29 | -123.42 | -1,197.24 | 10,291.24 | 1,155.31 | 1,083.96 | 71.35 | 16.192 | | | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPV 27-7H6 - Noble PR Well - Actual VES Survey | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|------------|
| Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7250-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 17,700.00 | 7,147.11 | 7,355.95 | 7,023.18 | 177.77 | 18.16 | -89.41 | -942.91 | 11,617.22 | 1,163.28 | 1,049.11 | 114.17 | 10.189 | |
| 17,800.00 | 7,146.99 | 7,355.82 | 7,023.31 | 179.43 | 18.16 | -89.42 | -942.91 | 11,617.22 | 1,076.24 | 954.97 | 121.27 | 8.875 | |
| 17,900.00 | 7,146.87 | 7,344.30 | 7,023.44 | 181.09 | 18.04 | -89.43 | -942.91 | 11,617.22 | 991.63 | 862.36 | 129.27 | 7.671 | |
| 18,000.00 | 7,146.75 | 7,355.57 | 7,023.56 | 182.75 | 18.15 | -89.45 | -942.91 | 11,617.22 | 910.16 | 771.49 | 138.67 | 6.563 | |
| 18,100.00 | 7,146.64 | 7,344.56 | 7,023.69 | 184.41 | 18.04 | -89.46 | -942.91 | 11,617.23 | 832.73 | 683.63 | 149.10 | 5.585 | |
| 18,200.00 | 7,146.52 | 7,355.32 | 7,023.82 | 186.08 | 18.15 | -89.47 | -942.91 | 11,617.23 | 760.59 | 599.61 | 160.97 | 4.725 | |
| 18,300.00 | 7,146.40 | 7,355.19 | 7,023.94 | 187.74 | 18.15 | -89.48 | -942.91 | 11,617.23 | 695.37 | 521.65 | 173.72 | 4.003 | |
| 18,400.00 | 7,146.28 | 7,355.06 | 7,024.07 | 189.40 | 18.15 | -89.50 | -942.90 | 11,617.23 | 639.22 | 452.45 | 186.76 | 3.423 | |
| 18,500.00 | 7,146.16 | 7,354.94 | 7,024.20 | 191.06 | 18.15 | -89.51 | -942.90 | 11,617.23 | 594.68 | 395.88 | 198.80 | 2.991 | |
| 18,600.00 | 7,146.04 | 7,354.81 | 7,024.33 | 192.72 | 18.14 | -89.52 | -942.90 | 11,617.23 | 564.54 | 356.61 | 207.93 | 2.715 | |
| 18,700.00 | 7,145.92 | 7,354.68 | 7,024.45 | 194.39 | 18.14 | -89.54 | -942.90 | 11,617.23 | 551.14 | 339.01 | 212.13 | 2.598 | |
| 18,724.74 | 7,145.89 | 7,354.65 | 7,024.48 | 194.80 | 18.14 | -89.54 | -942.90 | 11,617.23 | 550.58 | 338.34 | 212.24 | 2.594 | CC, ES, SF |
| 18,800.00 | 7,145.80 | 7,354.55 | 7,024.58 | 196.05 | 18.14 | -89.55 | -942.90 | 11,617.23 | 555.70 | 345.43 | 210.27 | 2.643 | |
| 18,900.00 | 7,145.69 | 7,354.43 | 7,024.71 | 197.71 | 18.14 | -89.56 | -942.90 | 11,617.23 | 577.80 | 374.96 | 202.84 | 2.849 | |
| 19,000.00 | 7,145.57 | 7,345.70 | 7,024.83 | 199.37 | 18.05 | -89.58 | -942.90 | 11,617.23 | 615.56 | 424.03 | 191.52 | 3.214 | |
| 19,100.00 | 7,145.45 | 7,345.83 | 7,024.96 | 201.04 | 18.05 | -89.59 | -942.90 | 11,617.23 | 666.30 | 487.71 | 178.60 | 3.731 | |
| 19,200.00 | 7,145.33 | 7,354.05 | 7,025.09 | 202.70 | 18.13 | -89.60 | -942.90 | 11,617.23 | 727.33 | 561.69 | 165.64 | 4.391 | |
| 19,300.00 | 7,145.21 | 7,346.08 | 7,025.21 | 204.36 | 18.05 | -89.62 | -942.90 | 11,617.23 | 796.28 | 642.97 | 153.31 | 5.194 | |
| 19,400.00 | 7,145.09 | 7,353.79 | 7,025.34 | 206.03 | 18.13 | -89.63 | -942.89 | 11,617.23 | 871.27 | 728.90 | 142.37 | 6.120 | |
| 19,500.00 | 7,144.97 | 7,353.67 | 7,025.47 | 207.69 | 18.13 | -89.64 | -942.89 | 11,617.23 | 950.88 | 818.23 | 132.65 | 7.168 | |
| 19,600.00 | 7,144.86 | 7,353.54 | 7,025.59 | 209.35 | 18.13 | -89.66 | -942.89 | 11,617.23 | 1,034.03 | 909.87 | 124.16 | 8.328 | |
| 19,700.00 | 7,144.74 | 7,353.41 | 7,025.72 | 211.02 | 18.13 | -89.67 | -942.89 | 11,617.23 | 1,119.94 | 1,003.15 | 116.79 | 9.589 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPV 27-8H6 - Noble P&A Well - Actual VES Surv | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-------------------------------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7550-SRC Energy_UNKNOWN | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 19,100.00 | 7,145.45 | 7,281.86 | 7,032.72 | 201.04 | 17.64 | -90.53 | -910.85 | 12,972.91 | 1,142.25 | 1,011.44 | 130.81 | 8.732 | |
| 19,200.00 | 7,145.33 | 7,277.30 | 7,028.16 | 202.70 | 17.63 | -90.09 | -911.14 | 12,973.10 | 1,057.66 | 918.46 | 139.20 | 7.598 | |
| 19,300.00 | 7,145.21 | 7,272.82 | 7,023.71 | 204.36 | 17.62 | -89.65 | -911.43 | 12,973.29 | 975.97 | 827.23 | 148.74 | 6.562 | |
| 19,400.00 | 7,145.09 | 7,268.44 | 7,019.34 | 206.03 | 17.61 | -89.22 | -911.71 | 12,973.47 | 897.97 | 738.46 | 159.51 | 5.630 | |
| 19,500.00 | 7,144.97 | 7,264.16 | 7,015.06 | 207.69 | 17.61 | -88.80 | -911.98 | 12,973.65 | 824.72 | 653.18 | 171.54 | 4.808 | |
| 19,600.00 | 7,144.86 | 7,259.95 | 7,010.87 | 209.35 | 17.60 | -88.39 | -912.24 | 12,973.82 | 757.58 | 572.92 | 184.66 | 4.103 | |
| 19,700.00 | 7,144.74 | 7,255.84 | 7,006.77 | 211.02 | 17.59 | -87.99 | -912.50 | 12,973.99 | 698.32 | 499.91 | 198.41 | 3.520 | |
| 19,800.00 | 7,144.62 | 7,251.80 | 7,002.75 | 212.68 | 17.58 | -87.60 | -912.75 | 12,974.15 | 649.11 | 437.29 | 211.82 | 3.064 | |
| 19,900.00 | 7,144.50 | 7,247.85 | 6,998.80 | 214.35 | 17.58 | -87.21 | -912.99 | 12,974.31 | 612.38 | 389.04 | 223.34 | 2.742 | |
| 20,000.00 | 7,144.38 | 7,243.97 | 6,994.94 | 216.01 | 17.57 | -86.83 | -913.23 | 12,974.46 | 590.46 | 359.42 | 231.05 | 2.556 | |
| 20,082.05 | 7,144.28 | 7,240.85 | 6,991.82 | 217.38 | 17.56 | -86.52 | -913.42 | 12,974.58 | 584.74 | 351.41 | 233.33 | 2.506 CC, ES, SF | |
| 20,100.00 | 7,144.26 | 7,240.17 | 6,991.15 | 217.67 | 17.56 | -86.46 | -913.46 | 12,974.60 | 585.02 | 351.73 | 233.29 | 2.508 | |
| 20,200.00 | 7,144.14 | 7,236.45 | 6,987.43 | 219.34 | 17.56 | -86.09 | -913.69 | 12,974.75 | 596.50 | 366.95 | 229.55 | 2.599 | |
| 20,300.00 | 7,144.02 | 7,232.79 | 6,983.78 | 221.00 | 17.55 | -85.73 | -913.90 | 12,974.89 | 623.98 | 403.23 | 220.76 | 2.827 | |
| 20,320.42 | 7,144.00 | 7,232.05 | 6,983.05 | 221.34 | 17.55 | -85.66 | -913.95 | 12,974.91 | 631.40 | 412.90 | 218.49 | 2.890 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - COLTRANE-IGO 1 - Noble SI Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 11,000.00 | 7,155.06 | 7,101.06 | 7,101.06 | 67.77 | 249.86 | -90.20 | -1,096.39 | 4,992.66 | 1,164.16 | 877.09 | 287.06 | 4.055 | |
| 11,100.00 | 7,154.94 | 7,100.94 | 7,100.94 | 69.37 | 249.85 | -90.18 | -1,096.39 | 4,992.66 | 1,070.11 | 781.13 | 288.98 | 3.703 | |
| 11,200.00 | 7,154.82 | 7,100.82 | 7,100.82 | 70.96 | 249.85 | -90.16 | -1,096.39 | 4,992.66 | 977.25 | 685.98 | 291.28 | 3.355 | |
| 11,300.00 | 7,154.70 | 7,100.70 | 7,100.70 | 72.57 | 249.84 | -90.14 | -1,096.39 | 4,992.66 | 885.95 | 591.89 | 294.06 | 3.013 | |
| 11,400.00 | 7,154.59 | 7,100.59 | 7,100.59 | 74.17 | 249.84 | -90.13 | -1,096.39 | 4,992.66 | 796.73 | 499.28 | 297.45 | 2.679 | |
| 11,500.00 | 7,154.47 | 7,100.47 | 7,100.47 | 75.78 | 249.84 | -90.11 | -1,096.39 | 4,992.66 | 710.40 | 408.78 | 301.62 | 2.355 | |
| 11,600.00 | 7,154.35 | 7,100.35 | 7,100.35 | 77.39 | 249.83 | -90.09 | -1,096.39 | 4,992.66 | 628.13 | 321.40 | 306.73 | 2.048 | |
| 11,700.00 | 7,154.23 | 7,100.23 | 7,100.23 | 79.00 | 249.83 | -90.07 | -1,096.39 | 4,992.66 | 551.75 | 238.83 | 312.92 | 1.763 | |
| 11,800.00 | 7,154.11 | 7,100.11 | 7,100.11 | 80.61 | 249.82 | -90.05 | -1,096.39 | 4,992.66 | 484.05 | 163.99 | 320.07 | 1.512 | |
| 11,900.00 | 7,153.99 | 7,100.01 | 7,099.99 | 82.23 | 249.82 | -90.04 | -1,096.39 | 4,992.66 | 429.17 | 101.69 | 327.49 | 1.311 | Level 3 |
| 12,000.00 | 7,153.87 | 7,100.13 | 7,099.87 | 83.85 | 249.82 | -90.02 | -1,096.39 | 4,992.66 | 392.52 | 59.08 | 333.43 | 1.177 | Level 2 |
| 12,100.00 | 7,153.76 | 7,100.25 | 7,099.76 | 85.47 | 249.83 | -90.00 | -1,096.39 | 4,992.66 | 379.41 | 44.00 | 335.41 | 1.131 | Level 2, ES, SF |
| 12,100.59 | 7,153.75 | 7,100.25 | 7,099.75 | 85.48 | 249.83 | -90.00 | -1,096.39 | 4,992.66 | 379.41 | 44.00 | 335.41 | 1.131 | Level 2, CC |
| 12,200.00 | 7,153.64 | 7,100.36 | 7,099.64 | 87.10 | 249.83 | -89.98 | -1,096.39 | 4,992.66 | 392.22 | 60.04 | 332.18 | 1.181 | Level 2 |
| 12,300.00 | 7,153.52 | 7,100.48 | 7,099.52 | 88.72 | 249.84 | -89.96 | -1,096.39 | 4,992.66 | 428.62 | 103.41 | 325.21 | 1.318 | Level 3 |
| 12,400.00 | 7,153.40 | 7,100.60 | 7,099.40 | 90.35 | 249.84 | -89.95 | -1,096.39 | 4,992.66 | 483.32 | 166.24 | 317.08 | 1.524 | |
| 12,500.00 | 7,153.28 | 7,100.72 | 7,099.28 | 91.98 | 249.85 | -89.93 | -1,096.39 | 4,992.66 | 550.89 | 241.38 | 309.51 | 1.780 | |
| 12,600.00 | 7,153.16 | 7,100.84 | 7,099.16 | 93.61 | 249.85 | -89.91 | -1,096.39 | 4,992.66 | 627.18 | 324.06 | 303.13 | 2.069 | |
| 12,700.00 | 7,153.04 | 7,100.96 | 7,099.04 | 95.24 | 249.85 | -89.89 | -1,096.39 | 4,992.66 | 709.39 | 411.43 | 297.97 | 2.381 | |
| 12,800.00 | 7,152.92 | 7,101.08 | 7,098.92 | 96.87 | 249.86 | -89.87 | -1,096.39 | 4,992.66 | 795.69 | 501.83 | 293.86 | 2.708 | |
| 12,900.00 | 7,152.81 | 7,101.19 | 7,098.81 | 98.50 | 249.86 | -89.86 | -1,096.39 | 4,992.66 | 884.87 | 594.27 | 290.60 | 3.045 | |
| 13,000.00 | 7,152.69 | 7,101.31 | 7,098.69 | 100.14 | 249.87 | -89.84 | -1,096.39 | 4,992.66 | 976.16 | 688.15 | 288.01 | 3.389 | |
| 13,100.00 | 7,152.57 | 7,101.43 | 7,098.57 | 101.78 | 249.87 | -89.82 | -1,096.39 | 4,992.66 | 1,069.00 | 783.06 | 285.94 | 3.739 | |
| 13,200.00 | 7,152.45 | 7,101.55 | 7,098.45 | 103.41 | 249.87 | -89.80 | -1,096.39 | 4,992.66 | 1,163.03 | 878.76 | 284.27 | 4.091 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - COLTRANE-PM J28-5 - Noble SI Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 9,800.00 | 7,156.48 | 7,125.48 | 7,125.48 | 49.04 | 250.72 | -90.10 | -817.21 | 3,651.04 | 1,160.72 | 871.06 | 289.66 | 4.007 | |
| 9,900.00 | 7,156.37 | 7,125.37 | 7,125.37 | 50.57 | 250.72 | -90.09 | -817.21 | 3,651.04 | 1,079.64 | 787.78 | 291.85 | 3.699 | |
| 10,000.00 | 7,156.25 | 7,125.25 | 7,125.25 | 52.10 | 250.71 | -90.08 | -817.21 | 3,651.04 | 1,001.98 | 707.64 | 294.34 | 3.404 | |
| 10,100.00 | 7,156.13 | 7,125.13 | 7,125.13 | 53.64 | 250.71 | -90.07 | -817.21 | 3,651.04 | 928.61 | 631.47 | 297.14 | 3.125 | |
| 10,200.00 | 7,156.01 | 7,125.01 | 7,125.01 | 55.18 | 250.71 | -90.06 | -817.21 | 3,651.04 | 860.62 | 560.41 | 300.21 | 2.867 | |
| 10,300.00 | 7,155.89 | 7,124.89 | 7,124.89 | 56.74 | 250.70 | -90.05 | -817.21 | 3,651.04 | 799.39 | 495.89 | 303.50 | 2.634 | |
| 10,400.00 | 7,155.77 | 7,124.77 | 7,124.77 | 58.30 | 250.70 | -90.04 | -817.21 | 3,651.04 | 746.57 | 439.73 | 306.84 | 2.433 | |
| 10,500.00 | 7,155.65 | 7,124.65 | 7,124.65 | 59.86 | 250.69 | -90.03 | -817.21 | 3,651.04 | 704.08 | 394.10 | 309.98 | 2.271 | |
| 10,600.00 | 7,155.54 | 7,124.54 | 7,124.54 | 61.44 | 250.69 | -90.02 | -817.21 | 3,651.04 | 673.85 | 361.31 | 312.54 | 2.156 | |
| 10,700.00 | 7,155.42 | 7,124.42 | 7,124.42 | 63.01 | 250.68 | -90.01 | -817.21 | 3,651.04 | 657.59 | 343.43 | 314.16 | 2.093 | |
| 10,758.24 | 7,155.35 | 7,124.35 | 7,124.35 | 63.93 | 250.68 | -90.00 | -817.21 | 3,651.04 | 655.01 | 340.46 | 314.55 | 2.082 CC, ES, SF | |
| 10,800.00 | 7,155.30 | 7,124.30 | 7,124.30 | 64.59 | 250.68 | -90.00 | -817.21 | 3,651.04 | 656.34 | 341.78 | 314.56 | 2.087 | |
| 10,900.00 | 7,155.18 | 7,124.18 | 7,124.18 | 66.18 | 250.68 | -89.99 | -817.21 | 3,651.04 | 670.18 | 356.48 | 313.69 | 2.136 | |
| 11,000.00 | 7,155.06 | 7,124.06 | 7,124.06 | 67.77 | 250.67 | -89.97 | -817.21 | 3,651.04 | 698.20 | 386.43 | 311.77 | 2.239 | |
| 11,100.00 | 7,154.94 | 7,123.94 | 7,123.94 | 69.37 | 250.67 | -89.96 | -817.21 | 3,651.04 | 738.81 | 429.66 | 309.15 | 2.390 | |
| 11,200.00 | 7,154.82 | 7,123.82 | 7,123.82 | 70.96 | 250.66 | -89.95 | -817.21 | 3,651.04 | 790.06 | 483.86 | 306.20 | 2.580 | |
| 11,300.00 | 7,154.70 | 7,123.70 | 7,123.70 | 72.57 | 250.66 | -89.94 | -817.21 | 3,651.04 | 850.03 | 546.83 | 303.19 | 2.804 | |
| 11,400.00 | 7,154.59 | 7,123.59 | 7,123.59 | 74.17 | 250.66 | -89.93 | -817.21 | 3,651.04 | 917.00 | 616.68 | 300.32 | 3.053 | |
| 11,500.00 | 7,154.47 | 7,123.47 | 7,123.47 | 75.78 | 250.65 | -89.92 | -817.21 | 3,651.04 | 989.57 | 691.89 | 297.68 | 3.324 | |
| 11,600.00 | 7,154.35 | 7,123.35 | 7,123.35 | 77.39 | 250.65 | -89.91 | -817.21 | 3,651.04 | 1,066.58 | 771.28 | 295.30 | 3.612 | |
| 11,700.00 | 7,154.23 | 7,123.23 | 7,123.23 | 79.00 | 250.64 | -89.90 | -817.21 | 3,651.04 | 1,147.15 | 853.95 | 293.20 | 3.913 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 139-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 10,800.00 | 7,155.30 | 7,156.75 | 7,141.12 | 64.59 | 19.50 | -90.41 | -541.61 | 4,377.95 | 1,156.76 | 1,078.97 | 77.79 | 14.870 | |
| 10,900.00 | 7,155.18 | 7,156.19 | 7,140.56 | 66.18 | 19.50 | -90.37 | -541.60 | 4,377.96 | 1,100.56 | 1,019.56 | 80.99 | 13.588 | |
| 11,000.00 | 7,155.06 | 7,155.63 | 7,140.00 | 67.77 | 19.49 | -90.34 | -541.60 | 4,377.96 | 1,050.88 | 966.67 | 84.20 | 12.480 | |
| 11,100.00 | 7,154.94 | 7,155.08 | 7,139.45 | 69.37 | 19.49 | -90.31 | -541.60 | 4,377.96 | 1,008.69 | 921.40 | 87.29 | 11.556 | |
| 11,200.00 | 7,154.82 | 7,154.53 | 7,138.90 | 70.96 | 19.49 | -90.27 | -541.60 | 4,377.96 | 974.97 | 884.88 | 90.10 | 10.821 | |
| 11,300.00 | 7,154.70 | 7,153.98 | 7,138.35 | 72.57 | 19.49 | -90.24 | -541.60 | 4,377.97 | 950.63 | 858.18 | 92.45 | 10.283 | |
| 11,400.00 | 7,154.59 | 7,153.43 | 7,137.80 | 74.17 | 19.49 | -90.20 | -541.60 | 4,377.97 | 936.38 | 842.21 | 94.17 | 9.943 | |
| 11,484.43 | 7,154.49 | 7,152.97 | 7,137.34 | 75.53 | 19.49 | -90.18 | -541.59 | 4,377.97 | 932.57 | 837.52 | 95.05 | 9.811 | CC, ES |
| 11,500.00 | 7,154.47 | 7,152.89 | 7,137.26 | 75.78 | 19.49 | -90.17 | -541.59 | 4,377.97 | 932.70 | 837.55 | 95.15 | 9.802 | SF |
| 11,600.00 | 7,154.35 | 7,152.34 | 7,136.71 | 77.39 | 19.49 | -90.14 | -541.59 | 4,377.97 | 939.70 | 844.37 | 95.33 | 9.858 | |
| 11,700.00 | 7,154.23 | 7,151.80 | 7,136.17 | 79.00 | 19.49 | -90.10 | -541.59 | 4,377.98 | 957.16 | 862.43 | 94.73 | 10.104 | |
| 11,800.00 | 7,154.11 | 7,151.26 | 7,135.63 | 80.61 | 19.48 | -90.07 | -541.59 | 4,377.98 | 984.51 | 891.05 | 93.46 | 10.534 | |
| 11,900.00 | 7,153.99 | 7,150.73 | 7,135.10 | 82.23 | 19.48 | -90.04 | -541.59 | 4,377.98 | 1,020.97 | 929.30 | 91.67 | 11.137 | |
| 12,000.00 | 7,153.87 | 7,150.19 | 7,134.56 | 83.85 | 19.48 | -90.00 | -541.59 | 4,377.98 | 1,065.59 | 976.08 | 89.52 | 11.904 | |
| 12,100.00 | 7,153.76 | 7,149.66 | 7,134.03 | 85.47 | 19.48 | -89.97 | -541.58 | 4,377.98 | 1,117.41 | 1,030.25 | 87.16 | 12.821 | |
| 12,200.00 | 7,153.64 | 7,149.12 | 7,133.49 | 87.10 | 19.48 | -89.94 | -541.58 | 4,377.99 | 1,175.46 | 1,090.76 | 84.71 | 13.877 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 120-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 10,300.00 | 7,155.89 | 7,299.69 | 7,144.30 | 56.74 | 31.25 | 92.60 | -1,690.13 | 4,356.79 | 1,186.17 | 1,134.44 | 51.73 | 22.930 | | |
| 10,400.00 | 7,155.77 | 7,298.59 | 7,143.19 | 58.30 | 31.25 | 92.30 | -1,690.11 | 4,356.80 | 1,088.00 | 1,036.28 | 51.72 | 21.035 | | |
| 10,500.00 | 7,155.65 | 7,297.47 | 7,142.07 | 59.86 | 31.24 | 92.01 | -1,690.09 | 4,356.81 | 990.19 | 938.41 | 51.79 | 19.120 | | |
| 10,600.00 | 7,155.54 | 7,296.34 | 7,140.94 | 61.44 | 31.24 | 91.71 | -1,690.07 | 4,356.82 | 892.87 | 840.90 | 51.97 | 17.179 | | |
| 10,700.00 | 7,155.42 | 7,295.20 | 7,139.80 | 63.01 | 31.24 | 91.41 | -1,690.05 | 4,356.83 | 796.21 | 743.85 | 52.37 | 15.205 | | |
| 10,800.00 | 7,155.30 | 7,294.05 | 7,138.65 | 64.59 | 31.24 | 91.10 | -1,690.03 | 4,356.85 | 700.49 | 647.39 | 53.10 | 13.192 | | |
| 10,900.00 | 7,155.18 | 7,292.88 | 7,137.49 | 66.18 | 31.24 | 90.79 | -1,690.01 | 4,356.86 | 606.14 | 551.73 | 54.41 | 11.141 | | |
| 11,000.00 | 7,155.06 | 7,291.71 | 7,136.32 | 67.77 | 31.23 | 90.48 | -1,689.99 | 4,356.87 | 513.94 | 457.26 | 56.68 | 9.068 | | |
| 11,100.00 | 7,154.94 | 7,290.53 | 7,135.13 | 69.37 | 31.23 | 90.17 | -1,689.97 | 4,356.88 | 425.27 | 364.74 | 60.53 | 7.026 | | |
| 11,200.00 | 7,154.82 | 7,289.33 | 7,133.94 | 70.96 | 31.23 | 89.85 | -1,689.95 | 4,356.90 | 342.88 | 275.99 | 66.89 | 5.126 | | |
| 11,300.00 | 7,154.70 | 7,288.12 | 7,132.73 | 72.57 | 31.23 | 89.53 | -1,689.93 | 4,356.91 | 272.55 | 195.77 | 76.78 | 3.550 | | |
| 11,400.00 | 7,154.59 | 7,286.90 | 7,131.51 | 74.17 | 31.23 | 89.20 | -1,689.91 | 4,356.92 | 225.82 | 136.20 | 89.62 | 2.520 | | |
| 11,466.46 | 7,154.51 | 7,286.08 | 7,130.69 | 75.24 | 31.22 | 88.99 | -1,689.89 | 4,356.93 | 215.82 | 118.77 | 97.06 | 2.224 CC, ES | | |
| 11,500.00 | 7,154.47 | 7,285.67 | 7,130.27 | 75.78 | 31.22 | 88.88 | -1,689.89 | 4,356.94 | 218.41 | 119.11 | 99.30 | 2.200 SF | | |
| 11,600.00 | 7,154.35 | 7,284.42 | 7,129.03 | 77.39 | 31.22 | 88.55 | -1,689.86 | 4,356.95 | 253.79 | 155.31 | 98.48 | 2.577 | | |
| 11,700.00 | 7,154.23 | 7,283.16 | 7,127.77 | 79.00 | 31.22 | 88.21 | -1,689.84 | 4,356.96 | 317.98 | 226.07 | 91.91 | 3.460 | | |
| 11,800.00 | 7,154.11 | 7,281.89 | 7,126.50 | 80.61 | 31.22 | 87.87 | -1,689.82 | 4,356.98 | 397.26 | 311.89 | 85.37 | 4.653 | | |
| 11,900.00 | 7,153.99 | 7,280.61 | 7,125.22 | 82.23 | 31.22 | 87.53 | -1,689.80 | 4,356.99 | 484.26 | 404.00 | 80.26 | 6.034 | | |
| 12,000.00 | 7,153.87 | 7,279.31 | 7,123.92 | 83.85 | 31.21 | 87.19 | -1,689.77 | 4,357.01 | 575.50 | 499.05 | 76.46 | 7.527 | | |
| 12,100.00 | 7,153.76 | 7,278.00 | 7,122.61 | 85.47 | 31.21 | 86.84 | -1,689.75 | 4,357.02 | 669.25 | 595.64 | 73.61 | 9.092 | | |
| 12,200.00 | 7,153.64 | 7,276.67 | 7,121.28 | 87.10 | 31.21 | 86.49 | -1,689.73 | 4,357.04 | 764.58 | 693.13 | 71.45 | 10.701 | | |
| 12,300.00 | 7,153.52 | 7,275.33 | 7,119.94 | 88.72 | 31.21 | 86.14 | -1,689.70 | 4,357.05 | 860.97 | 791.20 | 69.77 | 12.340 | | |
| 12,400.00 | 7,153.40 | 7,273.98 | 7,118.59 | 90.35 | 31.20 | 85.78 | -1,689.68 | 4,357.07 | 958.09 | 889.65 | 68.44 | 13.998 | | |
| 12,500.00 | 7,153.28 | 7,272.61 | 7,117.23 | 91.98 | 31.20 | 85.42 | -1,689.65 | 4,357.09 | 1,055.76 | 988.37 | 67.38 | 15.668 | | |
| 12,600.00 | 7,153.16 | 7,271.23 | 7,115.84 | 93.61 | 31.20 | 85.05 | -1,689.63 | 4,357.10 | 1,153.82 | 1,087.30 | 66.52 | 17.346 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 86-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 9,100.00 | 7,157.32 | 7,369.45 | 7,144.08 | 38.75 | 37.27 | 91.94 | -1,709.87 | 3,105.79 | 1,140.73 | 1,084.29 | 56.44 | 20.211 | | |
| 9,200.00 | 7,157.20 | 7,368.40 | 7,143.02 | 40.17 | 37.27 | 91.68 | -1,709.85 | 3,105.80 | 1,043.17 | 986.57 | 56.59 | 18.432 | | |
| 9,300.00 | 7,157.08 | 7,367.34 | 7,141.96 | 41.61 | 37.27 | 91.43 | -1,709.84 | 3,105.81 | 946.11 | 889.28 | 56.83 | 16.648 | | |
| 9,400.00 | 7,156.96 | 7,366.28 | 7,140.90 | 43.07 | 37.27 | 91.18 | -1,709.82 | 3,105.82 | 849.73 | 792.53 | 57.20 | 14.855 | | |
| 9,500.00 | 7,156.84 | 7,365.22 | 7,139.84 | 44.55 | 37.26 | 90.92 | -1,709.80 | 3,105.83 | 754.29 | 696.50 | 57.79 | 13.051 | | |
| 9,600.00 | 7,156.72 | 7,364.16 | 7,138.78 | 46.03 | 37.26 | 90.67 | -1,709.79 | 3,105.84 | 660.21 | 601.46 | 58.75 | 11.238 | | |
| 9,700.00 | 7,156.60 | 7,363.10 | 7,137.72 | 47.53 | 37.26 | 90.42 | -1,709.77 | 3,105.85 | 568.15 | 507.84 | 60.31 | 9.421 | | |
| 9,800.00 | 7,156.48 | 7,362.04 | 7,136.66 | 49.04 | 37.26 | 90.16 | -1,709.75 | 3,105.86 | 479.28 | 416.40 | 62.88 | 7.622 | | |
| 9,900.00 | 7,156.37 | 7,360.98 | 7,135.60 | 50.57 | 37.26 | 89.91 | -1,709.74 | 3,105.87 | 395.75 | 328.71 | 67.03 | 5.904 | | |
| 10,000.00 | 7,156.25 | 7,359.91 | 7,134.54 | 52.10 | 37.26 | 89.65 | -1,709.72 | 3,105.88 | 321.75 | 248.49 | 73.26 | 4.392 | | |
| 10,100.00 | 7,156.13 | 7,358.85 | 7,133.47 | 53.64 | 37.25 | 89.40 | -1,709.70 | 3,105.89 | 265.39 | 184.75 | 80.64 | 3.291 | | |
| 10,200.00 | 7,156.01 | 7,357.79 | 7,132.41 | 55.18 | 37.25 | 89.14 | -1,709.69 | 3,105.90 | 239.45 | 154.93 | 84.52 | 2.833 | | |
| 10,215.49 | 7,155.99 | 7,357.62 | 7,132.24 | 55.42 | 37.25 | 89.10 | -1,709.69 | 3,105.91 | 238.95 | 154.51 | 84.43 | 2.830 CC, ES, SF | | |
| 10,300.00 | 7,155.89 | 7,356.72 | 7,131.34 | 56.74 | 37.25 | 88.89 | -1,709.67 | 3,105.91 | 253.45 | 172.38 | 81.08 | 3.126 | | |
| 10,400.00 | 7,155.77 | 7,355.65 | 7,130.28 | 58.30 | 37.25 | 88.63 | -1,709.65 | 3,105.92 | 301.89 | 226.56 | 75.33 | 4.008 | | |
| 10,500.00 | 7,155.65 | 7,354.59 | 7,129.21 | 59.86 | 37.25 | 88.37 | -1,709.64 | 3,105.93 | 371.53 | 300.37 | 71.16 | 5.221 | | |
| 10,600.00 | 7,155.54 | 7,353.52 | 7,128.14 | 61.44 | 37.25 | 88.12 | -1,709.62 | 3,105.94 | 452.69 | 384.29 | 68.40 | 6.618 | | |
| 10,700.00 | 7,155.42 | 7,352.45 | 7,127.08 | 63.01 | 37.24 | 87.86 | -1,709.60 | 3,105.95 | 540.21 | 473.70 | 66.51 | 8.123 | | |
| 10,800.00 | 7,155.30 | 7,351.38 | 7,126.01 | 64.59 | 37.24 | 87.61 | -1,709.59 | 3,105.96 | 631.44 | 566.29 | 65.15 | 9.692 | | |
| 10,900.00 | 7,155.18 | 7,350.31 | 7,124.94 | 66.18 | 37.24 | 87.35 | -1,709.57 | 3,105.97 | 724.98 | 660.83 | 64.15 | 11.301 | | |
| 11,000.00 | 7,155.06 | 7,349.24 | 7,123.87 | 67.77 | 37.24 | 87.09 | -1,709.55 | 3,105.98 | 820.05 | 756.65 | 63.40 | 12.934 | | |
| 11,100.00 | 7,154.94 | 7,348.17 | 7,122.80 | 69.37 | 37.24 | 86.84 | -1,709.54 | 3,106.00 | 916.17 | 853.35 | 62.83 | 14.583 | | |
| 11,200.00 | 7,154.82 | 7,347.10 | 7,121.72 | 70.96 | 37.24 | 86.58 | -1,709.52 | 3,106.01 | 1,013.04 | 950.67 | 62.38 | 16.241 | | |
| 11,300.00 | 7,154.70 | 7,346.03 | 7,120.65 | 72.57 | 37.23 | 86.32 | -1,709.50 | 3,106.02 | 1,110.46 | 1,048.44 | 62.02 | 17.905 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - MOSSBERG A-28 - Noble P&A Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 12,800.00 | 7,152.92 | 7,062.92 | 7,062.92 | 96.87 | 248.51 | 90.05 | -2,386.03 | 6,403.66 | 1,154.54 | 833.73 | 320.81 | 3.599 | |
| 12,900.00 | 7,152.81 | 7,062.81 | 7,062.81 | 98.50 | 248.50 | 90.05 | -2,386.03 | 6,403.66 | 1,095.42 | 769.02 | 326.40 | 3.356 | |
| 13,000.00 | 7,152.69 | 7,062.69 | 7,062.69 | 100.14 | 248.50 | 90.04 | -2,386.03 | 6,403.66 | 1,042.56 | 710.34 | 332.22 | 3.138 | |
| 13,100.00 | 7,152.57 | 7,062.57 | 7,062.57 | 101.78 | 248.49 | 90.03 | -2,386.03 | 6,403.66 | 996.96 | 658.87 | 338.09 | 2.949 | |
| 13,200.00 | 7,152.45 | 7,062.45 | 7,062.45 | 103.41 | 248.49 | 90.02 | -2,386.03 | 6,403.66 | 959.65 | 615.87 | 343.77 | 2.792 | |
| 13,300.00 | 7,152.33 | 7,062.33 | 7,062.33 | 105.05 | 248.49 | 90.02 | -2,386.03 | 6,403.66 | 931.62 | 582.63 | 348.99 | 2.669 | |
| 13,400.00 | 7,152.21 | 7,062.21 | 7,062.21 | 106.69 | 248.48 | 90.01 | -2,386.03 | 6,403.66 | 913.73 | 560.30 | 353.44 | 2.585 | |
| 13,500.00 | 7,152.09 | 7,062.09 | 7,062.09 | 108.33 | 248.48 | 90.00 | -2,386.03 | 6,403.66 | 906.59 | 549.74 | 356.84 | 2.541 | |
| 13,515.04 | 7,152.08 | 7,062.08 | 7,062.08 | 108.58 | 248.48 | 90.00 | -2,386.03 | 6,403.66 | 906.46 | 549.21 | 357.25 | 2.537 CC, ES | |
| 13,600.00 | 7,151.98 | 7,061.98 | 7,061.98 | 109.98 | 248.47 | 89.99 | -2,386.03 | 6,403.66 | 910.44 | 551.41 | 359.03 | 2.536 SF | |
| 13,700.00 | 7,151.86 | 7,061.86 | 7,061.86 | 111.62 | 248.47 | 89.99 | -2,386.03 | 6,403.66 | 925.14 | 565.20 | 359.94 | 2.570 | |
| 13,800.00 | 7,151.74 | 7,061.74 | 7,061.74 | 113.26 | 248.46 | 89.98 | -2,386.03 | 6,403.66 | 950.20 | 590.53 | 359.67 | 2.642 | |
| 13,900.00 | 7,151.62 | 7,061.62 | 7,061.62 | 114.91 | 248.46 | 89.97 | -2,386.03 | 6,403.66 | 984.82 | 626.43 | 358.39 | 2.748 | |
| 14,000.00 | 7,151.50 | 7,061.50 | 7,061.50 | 116.55 | 248.46 | 89.96 | -2,386.03 | 6,403.66 | 1,028.04 | 671.69 | 356.35 | 2.885 | |
| 14,100.00 | 7,151.38 | 7,061.38 | 7,061.38 | 118.20 | 248.45 | 89.96 | -2,386.03 | 6,403.66 | 1,078.82 | 725.05 | 353.77 | 3.049 | |
| 14,200.00 | 7,151.26 | 7,061.26 | 7,061.26 | 119.84 | 248.45 | 89.95 | -2,386.03 | 6,403.66 | 1,136.16 | 785.27 | 350.88 | 3.238 | |
| 14,300.00 | 7,151.14 | 7,061.14 | 7,061.14 | 121.49 | 248.44 | 89.94 | -2,386.03 | 6,403.66 | 1,199.10 | 851.26 | 347.84 | 3.447 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - MOSSBERG PM J 28-9 - Noble SI Well - Actual VES Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_VESSi GyroFlex V4, 7300-SRC Energy_2° CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 14,000.00 | 7,151.50 | 7,044.89 | 7,044.57 | 116.55 | 15.34 | 88.91 | -2,269.47 | 7,734.67 | 1,154.93 | 1,064.18 | 90.75 | 12.727 | |
| 14,100.00 | 7,151.38 | 7,046.38 | 7,046.07 | 118.20 | 15.35 | 89.02 | -2,269.47 | 7,734.70 | 1,083.84 | 986.72 | 97.12 | 11.160 | |
| 14,200.00 | 7,151.26 | 7,047.88 | 7,047.56 | 119.84 | 15.35 | 89.13 | -2,269.48 | 7,734.72 | 1,017.62 | 913.58 | 104.05 | 9.780 | |
| 14,300.00 | 7,151.14 | 7,049.38 | 7,049.06 | 121.49 | 15.35 | 89.24 | -2,269.48 | 7,734.75 | 957.29 | 845.85 | 111.44 | 8.590 | |
| 14,400.00 | 7,151.03 | 7,050.88 | 7,050.57 | 123.14 | 15.36 | 89.35 | -2,269.49 | 7,734.77 | 904.01 | 784.91 | 119.10 | 7.590 | |
| 14,500.00 | 7,150.91 | 7,052.39 | 7,052.07 | 124.79 | 15.36 | 89.46 | -2,269.49 | 7,734.80 | 859.10 | 732.38 | 126.72 | 6.780 | |
| 14,600.00 | 7,150.79 | 7,053.90 | 7,053.59 | 126.44 | 15.36 | 89.57 | -2,269.49 | 7,734.82 | 823.94 | 690.08 | 133.86 | 6.155 | |
| 14,700.00 | 7,150.67 | 7,055.42 | 7,055.10 | 128.09 | 15.37 | 89.68 | -2,269.50 | 7,734.85 | 799.82 | 659.82 | 140.00 | 5.713 | |
| 14,800.00 | 7,150.55 | 7,056.94 | 7,056.62 | 129.74 | 15.37 | 89.79 | -2,269.50 | 7,734.87 | 787.73 | 643.13 | 144.60 | 5.448 | |
| 14,845.94 | 7,150.50 | 7,057.64 | 7,057.32 | 130.49 | 15.37 | 89.84 | -2,269.50 | 7,734.88 | 786.39 | 640.30 | 146.10 | 5.383 CC, ES | |
| 14,900.00 | 7,150.43 | 7,058.46 | 7,058.14 | 131.39 | 15.37 | 89.90 | -2,269.51 | 7,734.90 | 788.25 | 640.94 | 147.31 | 5.351 SF | |
| 15,000.00 | 7,150.31 | 7,059.99 | 7,059.67 | 133.04 | 15.38 | 90.01 | -2,269.51 | 7,734.92 | 801.34 | 653.35 | 147.98 | 5.415 | |
| 15,100.00 | 7,150.20 | 7,061.52 | 7,061.20 | 134.69 | 15.38 | 90.12 | -2,269.51 | 7,734.95 | 826.40 | 679.61 | 146.79 | 5.630 | |
| 15,200.00 | 7,150.08 | 7,063.05 | 7,062.74 | 136.34 | 15.38 | 90.24 | -2,269.52 | 7,734.98 | 862.40 | 718.31 | 144.09 | 5.985 | |
| 15,300.00 | 7,149.96 | 7,064.59 | 7,064.28 | 138.00 | 15.38 | 90.35 | -2,269.52 | 7,735.00 | 908.04 | 767.70 | 140.34 | 6.470 | |
| 15,400.00 | 7,149.84 | 7,066.14 | 7,065.82 | 139.65 | 15.39 | 90.46 | -2,269.53 | 7,735.03 | 961.93 | 825.97 | 135.97 | 7.075 | |
| 15,500.00 | 7,149.72 | 7,067.68 | 7,067.37 | 141.30 | 15.39 | 90.57 | -2,269.53 | 7,735.05 | 1,022.79 | 891.47 | 131.32 | 7.788 | |
| 15,600.00 | 7,149.60 | 7,069.24 | 7,068.92 | 142.96 | 15.39 | 90.69 | -2,269.54 | 7,735.08 | 1,089.44 | 962.79 | 126.65 | 8.602 | |
| 15,700.00 | 7,149.48 | 7,070.79 | 7,070.47 | 144.61 | 15.40 | 90.80 | -2,269.54 | 7,735.11 | 1,160.88 | 1,038.76 | 122.13 | 9.506 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - WIEDEMAN 1 - Noble SI Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|---------------------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 13,700.00 | 7,151.86 | 7,079.86 | 7,079.86 | 111.62 | 249.11 | -90.19 | -1,090.59 | 7,703.11 | 1,178.29 | 877.66 | 300.64 | 3.919 | |
| 13,800.00 | 7,151.74 | 7,079.74 | 7,079.74 | 113.26 | 249.10 | -90.18 | -1,090.59 | 7,703.11 | 1,084.51 | 780.61 | 303.90 | 3.569 | |
| 13,900.00 | 7,151.62 | 7,079.62 | 7,079.62 | 114.91 | 249.10 | -90.16 | -1,090.59 | 7,703.11 | 991.95 | 684.18 | 307.77 | 3.223 | |
| 14,000.00 | 7,151.50 | 7,079.50 | 7,079.50 | 116.55 | 249.09 | -90.14 | -1,090.59 | 7,703.11 | 900.98 | 588.57 | 312.41 | 2.884 | |
| 14,100.00 | 7,151.38 | 7,079.38 | 7,079.38 | 118.20 | 249.09 | -90.12 | -1,090.59 | 7,703.11 | 812.13 | 494.14 | 317.99 | 2.554 | |
| 14,200.00 | 7,151.26 | 7,079.26 | 7,079.26 | 119.84 | 249.09 | -90.11 | -1,090.59 | 7,703.11 | 726.19 | 401.43 | 324.76 | 2.236 | |
| 14,300.00 | 7,151.14 | 7,079.14 | 7,079.14 | 121.49 | 249.08 | -90.09 | -1,090.59 | 7,703.11 | 644.32 | 311.37 | 332.96 | 1.935 | |
| 14,400.00 | 7,151.03 | 7,079.03 | 7,079.03 | 123.14 | 249.08 | -90.07 | -1,090.59 | 7,703.11 | 568.28 | 225.55 | 342.74 | 1.658 | |
| 14,500.00 | 7,150.91 | 7,078.91 | 7,078.91 | 124.79 | 249.07 | -90.05 | -1,090.59 | 7,703.11 | 500.74 | 146.79 | 353.95 | 1.415 | Level 3 |
| 14,600.00 | 7,150.79 | 7,078.79 | 7,078.79 | 126.44 | 249.07 | -90.04 | -1,090.59 | 7,703.11 | 445.58 | 79.98 | 365.59 | 1.219 | Level 2 |
| 14,700.00 | 7,150.67 | 7,078.67 | 7,078.67 | 128.09 | 249.06 | -90.02 | -1,090.59 | 7,703.11 | 407.84 | 32.62 | 375.22 | 1.087 | Level 2 |
| 14,800.00 | 7,150.55 | 7,078.55 | 7,078.55 | 129.74 | 249.06 | -90.00 | -1,090.59 | 7,703.11 | 392.59 | 13.34 | 379.26 | 1.035 | Level 2 |
| 14,811.02 | 7,150.54 | 7,078.54 | 7,078.54 | 129.92 | 249.06 | -90.00 | -1,090.59 | 7,703.11 | 392.44 | 13.20 | 379.24 | 1.035 | Level 2, CC, ES, SF |
| 14,900.00 | 7,150.43 | 7,078.43 | 7,078.43 | 131.39 | 249.06 | -89.98 | -1,090.59 | 7,703.11 | 402.40 | 26.80 | 375.60 | 1.071 | Level 2 |
| 15,000.00 | 7,150.31 | 7,078.31 | 7,078.31 | 133.04 | 249.05 | -89.97 | -1,090.59 | 7,703.11 | 435.57 | 69.73 | 365.84 | 1.191 | Level 2 |
| 15,100.00 | 7,150.20 | 7,078.20 | 7,078.20 | 134.69 | 249.05 | -89.95 | -1,090.59 | 7,703.11 | 487.36 | 133.73 | 353.63 | 1.378 | Level 3 |
| 15,200.00 | 7,150.08 | 7,078.08 | 7,078.08 | 136.34 | 249.04 | -89.93 | -1,090.59 | 7,703.11 | 552.55 | 210.83 | 341.72 | 1.617 | |
| 15,300.00 | 7,149.96 | 7,077.96 | 7,077.96 | 138.00 | 249.04 | -89.92 | -1,090.59 | 7,703.11 | 626.98 | 295.64 | 331.34 | 1.892 | |
| 15,400.00 | 7,149.84 | 7,077.84 | 7,077.84 | 139.65 | 249.03 | -89.90 | -1,090.59 | 7,703.11 | 707.75 | 385.05 | 322.70 | 2.193 | |
| 15,500.00 | 7,149.72 | 7,077.72 | 7,077.72 | 141.30 | 249.03 | -89.88 | -1,090.59 | 7,703.11 | 792.91 | 477.27 | 315.64 | 2.512 | |
| 15,600.00 | 7,149.60 | 7,077.60 | 7,077.60 | 142.96 | 249.03 | -89.86 | -1,090.59 | 7,703.11 | 881.19 | 571.30 | 309.89 | 2.844 | |
| 15,700.00 | 7,149.48 | 7,077.48 | 7,077.48 | 144.61 | 249.02 | -89.85 | -1,090.59 | 7,703.11 | 971.75 | 666.54 | 305.20 | 3.184 | |
| 15,800.00 | 7,149.36 | 7,077.36 | 7,077.36 | 146.27 | 249.02 | -89.83 | -1,090.59 | 7,703.11 | 1,064.00 | 762.64 | 301.36 | 3.531 | |
| 15,900.00 | 7,149.25 | 7,077.25 | 7,077.25 | 147.92 | 249.01 | -89.81 | -1,090.59 | 7,703.11 | 1,157.53 | 859.35 | 298.19 | 3.882 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - WIEDEMAN J 28-17 - Noble SI Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|--------------------------|--------------------------|--------------------------|---------------------|------------------|-----------------------------|---|-----------------|------------------------------|-------------------------------|---------------------------------|---------------------------|------------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 13,500.00 | 7,152.09 | 7,109.91 | 7,090.09 | 108.33 | 250.17 | -90.05 | -525.41 | 7,030.63 | 1,148.66 | 802.19 | 346.47 | 3.315 | |
| 13,600.00 | 7,151.98 | 7,089.98 | 7,089.98 | 109.98 | 249.46 | -90.04 | -525.41 | 7,030.63 | 1,096.36 | 745.69 | 350.67 | 3.126 | |
| 13,700.00 | 7,151.86 | 7,089.86 | 7,089.86 | 111.62 | 249.46 | -90.03 | -525.41 | 7,030.63 | 1,051.00 | 695.58 | 355.42 | 2.957 | |
| 13,800.00 | 7,151.74 | 7,089.74 | 7,089.74 | 113.26 | 249.46 | -90.02 | -525.41 | 7,030.63 | 1,013.51 | 653.72 | 359.78 | 2.817 | |
| 13,900.00 | 7,151.62 | 7,089.62 | 7,089.62 | 114.91 | 249.45 | -90.02 | -525.41 | 7,030.63 | 984.78 | 621.26 | 363.52 | 2.709 | |
| 14,000.00 | 7,151.50 | 7,089.50 | 7,089.50 | 116.55 | 249.45 | -90.01 | -525.41 | 7,030.63 | 965.60 | 599.23 | 366.37 | 2.636 | |
| 14,100.00 | 7,151.38 | 7,089.38 | 7,089.38 | 118.20 | 249.44 | -90.00 | -525.41 | 7,030.63 | 956.54 | 588.41 | 368.13 | 2.598 | |
| 14,137.04 | 7,151.34 | 7,089.34 | 7,089.34 | 118.81 | 249.44 | -90.00 | -525.41 | 7,030.63 | 955.82 | 587.35 | 368.48 | 2.594 | CC, ES, SF |
| 14,200.00 | 7,151.26 | 7,089.26 | 7,089.26 | 119.84 | 249.44 | -90.00 | -525.41 | 7,030.63 | 957.90 | 589.22 | 368.68 | 2.598 | |
| 14,300.00 | 7,151.14 | 7,089.14 | 7,089.14 | 121.49 | 249.44 | -89.99 | -525.41 | 7,030.63 | 969.62 | 601.61 | 368.01 | 2.635 | |
| 14,400.00 | 7,151.03 | 7,089.03 | 7,089.03 | 123.14 | 249.43 | -89.98 | -525.41 | 7,030.63 | 991.34 | 625.12 | 366.22 | 2.707 | |
| 14,500.00 | 7,150.91 | 7,088.91 | 7,088.91 | 124.79 | 249.43 | -89.97 | -525.41 | 7,030.63 | 1,022.42 | 658.90 | 363.52 | 2.813 | |
| 14,600.00 | 7,150.79 | 7,088.79 | 7,088.79 | 126.44 | 249.42 | -89.97 | -525.41 | 7,030.63 | 1,062.04 | 701.91 | 360.13 | 2.949 | |
| 14,700.00 | 7,150.67 | 7,088.67 | 7,088.67 | 128.09 | 249.42 | -89.96 | -525.41 | 7,030.63 | 1,109.29 | 752.99 | 356.30 | 3.113 | |
| 14,800.00 | 7,150.55 | 7,088.55 | 7,088.55 | 129.74 | 249.41 | -89.95 | -525.41 | 7,030.63 | 1,163.24 | 810.99 | 352.24 | 3.302 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448, 474-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 12,400.00 | 7,153.40 | 7,333.66 | 7,125.75 | 90.35 | 37.16 | -91.19 | -419.88 | 5,762.81 | 1,157.43 | 1,034.39 | 123.04 | 9.407 | |
| 12,500.00 | 7,153.28 | 7,331.52 | 7,123.62 | 91.98 | 37.15 | -91.07 | -419.86 | 5,762.85 | 1,120.65 | 993.77 | 126.88 | 8.832 | |
| 12,600.00 | 7,153.16 | 7,329.39 | 7,121.49 | 93.61 | 37.15 | -90.96 | -419.84 | 5,762.90 | 1,091.82 | 961.61 | 130.21 | 8.385 | |
| 12,700.00 | 7,153.04 | 7,327.26 | 7,119.36 | 95.24 | 37.15 | -90.84 | -419.81 | 5,762.94 | 1,071.57 | 938.74 | 132.83 | 8.067 | |
| 12,800.00 | 7,152.92 | 7,325.13 | 7,117.23 | 96.87 | 37.15 | -90.73 | -419.79 | 5,762.99 | 1,060.40 | 925.81 | 134.59 | 7.879 | |
| 12,869.14 | 7,152.84 | 7,323.67 | 7,115.77 | 98.00 | 37.14 | -90.65 | -419.77 | 5,763.02 | 1,058.14 | 922.90 | 135.24 | 7.824 CC, ES | |
| 12,900.00 | 7,152.81 | 7,323.01 | 7,115.11 | 98.50 | 37.14 | -90.61 | -419.77 | 5,763.03 | 1,058.59 | 923.21 | 135.38 | 7.820 SF | |
| 13,000.00 | 7,152.69 | 7,320.89 | 7,112.99 | 100.14 | 37.14 | -90.50 | -419.74 | 5,763.08 | 1,066.20 | 931.04 | 135.16 | 7.888 | |
| 13,100.00 | 7,152.57 | 7,318.77 | 7,110.88 | 101.78 | 37.14 | -90.38 | -419.72 | 5,763.12 | 1,083.02 | 949.02 | 134.00 | 8.082 | |
| 13,200.00 | 7,152.45 | 7,316.66 | 7,108.76 | 103.41 | 37.13 | -90.27 | -419.69 | 5,763.17 | 1,108.64 | 976.63 | 132.01 | 8.398 | |
| 13,300.00 | 7,152.33 | 7,314.55 | 7,106.65 | 105.05 | 37.13 | -90.15 | -419.67 | 5,763.21 | 1,142.46 | 1,013.10 | 129.36 | 8.832 | |
| 13,400.00 | 7,152.21 | 7,312.44 | 7,104.55 | 106.69 | 37.13 | -90.04 | -419.64 | 5,763.26 | 1,183.79 | 1,057.56 | 126.23 | 9.378 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - WIEDEMAN J 28-21D - Noble SI Well - Actual Ensign Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|------------|
| Survey Program: 100-SRC Energy_2" CONE_2.448, 474-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 11,900.00 | 7,153.99 | 7,371.48 | 7,101.68 | 82.23 | 41.09 | 89.51 | -1,703.73 | 5,959.23 | 1,190.31 | 1,129.03 | 61.28 | 19.424 | |
| 12,000.00 | 7,153.87 | 7,371.75 | 7,101.96 | 83.85 | 41.09 | 89.58 | -1,703.73 | 5,959.23 | 1,092.28 | 1,030.22 | 62.06 | 17.600 | |
| 12,100.00 | 7,153.76 | 7,372.03 | 7,102.23 | 85.47 | 41.09 | 89.65 | -1,703.73 | 5,959.23 | 994.65 | 931.54 | 63.11 | 15.760 | |
| 12,200.00 | 7,153.64 | 7,372.31 | 7,102.51 | 87.10 | 41.09 | 89.72 | -1,703.73 | 5,959.23 | 897.54 | 832.98 | 64.55 | 13.904 | |
| 12,300.00 | 7,153.52 | 7,372.58 | 7,102.78 | 88.72 | 41.09 | 89.79 | -1,703.73 | 5,959.23 | 801.13 | 734.59 | 66.54 | 12.039 | |
| 12,400.00 | 7,153.40 | 7,372.85 | 7,103.06 | 90.35 | 41.09 | 89.86 | -1,703.73 | 5,959.23 | 705.73 | 636.38 | 69.35 | 10.177 | |
| 12,500.00 | 7,153.28 | 7,373.13 | 7,103.33 | 91.98 | 41.09 | 89.93 | -1,703.73 | 5,959.23 | 611.80 | 538.45 | 73.35 | 8.341 | |
| 12,600.00 | 7,153.16 | 7,373.40 | 7,103.60 | 93.61 | 41.09 | 90.00 | -1,703.72 | 5,959.23 | 520.14 | 441.01 | 79.12 | 6.574 | |
| 12,700.00 | 7,153.04 | 7,373.67 | 7,103.87 | 95.24 | 41.09 | 90.07 | -1,703.72 | 5,959.23 | 432.19 | 344.65 | 87.54 | 4.937 | |
| 12,800.00 | 7,152.92 | 7,373.94 | 7,104.14 | 96.87 | 41.09 | 90.14 | -1,703.72 | 5,959.24 | 350.75 | 251.09 | 99.66 | 3.520 | |
| 12,900.00 | 7,152.81 | 7,374.20 | 7,104.41 | 98.50 | 41.09 | 90.20 | -1,703.72 | 5,959.24 | 281.55 | 165.73 | 115.82 | 2.431 | |
| 13,000.00 | 7,152.69 | 7,374.47 | 7,104.67 | 100.14 | 41.09 | 90.27 | -1,703.72 | 5,959.24 | 235.61 | 104.16 | 131.45 | 1.792 | |
| 13,068.79 | 7,152.61 | 7,374.65 | 7,104.86 | 101.27 | 41.09 | 90.32 | -1,703.72 | 5,959.24 | 225.34 | 90.22 | 135.13 | 1.668 | CC, ES, SF |
| 13,100.00 | 7,152.57 | 7,374.74 | 7,104.94 | 101.78 | 41.09 | 90.34 | -1,703.72 | 5,959.24 | 227.49 | 93.69 | 133.81 | 1.700 | |
| 13,200.00 | 7,152.45 | 7,375.00 | 7,105.21 | 103.41 | 41.10 | 90.41 | -1,703.72 | 5,959.24 | 260.76 | 139.46 | 121.30 | 2.150 | |
| 13,300.00 | 7,152.33 | 7,375.27 | 7,105.47 | 105.05 | 41.10 | 90.47 | -1,703.71 | 5,959.24 | 322.86 | 215.55 | 107.31 | 3.009 | |
| 13,400.00 | 7,152.21 | 7,375.53 | 7,105.73 | 106.69 | 41.10 | 90.54 | -1,703.71 | 5,959.24 | 400.60 | 303.59 | 97.00 | 4.130 | |
| 13,500.00 | 7,152.09 | 7,375.79 | 7,105.99 | 108.33 | 41.10 | 90.61 | -1,703.71 | 5,959.24 | 486.54 | 396.68 | 89.86 | 5.414 | |
| 13,600.00 | 7,151.98 | 7,376.05 | 7,106.26 | 109.98 | 41.10 | 90.67 | -1,703.71 | 5,959.24 | 577.03 | 492.20 | 84.83 | 6.802 | |
| 13,700.00 | 7,151.86 | 7,376.31 | 7,106.52 | 111.62 | 41.10 | 90.74 | -1,703.71 | 5,959.24 | 670.23 | 589.03 | 81.19 | 8.255 | |
| 13,800.00 | 7,151.74 | 7,376.57 | 7,106.78 | 113.26 | 41.10 | 90.81 | -1,703.71 | 5,959.25 | 765.14 | 686.66 | 78.48 | 9.749 | |
| 13,900.00 | 7,151.62 | 7,376.83 | 7,107.03 | 114.91 | 41.10 | 90.87 | -1,703.71 | 5,959.25 | 861.21 | 784.80 | 76.41 | 11.270 | |
| 14,000.00 | 7,151.50 | 7,377.09 | 7,107.29 | 116.55 | 41.10 | 90.94 | -1,703.70 | 5,959.25 | 958.08 | 883.28 | 74.81 | 12.808 | |
| 14,100.00 | 7,151.38 | 7,377.35 | 7,107.55 | 118.20 | 41.10 | 91.00 | -1,703.70 | 5,959.25 | 1,055.54 | 982.01 | 73.53 | 14.355 | |
| 14,200.00 | 7,151.26 | 7,377.60 | 7,107.80 | 119.84 | 41.10 | 91.07 | -1,703.70 | 5,959.25 | 1,153.43 | 1,080.93 | 72.51 | 15.908 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - WIEDEMAN J 28-22D - Noble SI Well - Actual Ensign Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|---------------------|
| Survey Program: 100-SRC Energy_2" CONE_2.448, 474-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 13,000.00 | 7,152.69 | 7,218.17 | 7,091.72 | 100.14 | 30.84 | 84.90 | -1,600.01 | 7,036.75 | 1,152.22 | 1,097.25 | 54.97 | 20.962 | |
| 13,100.00 | 7,152.57 | 7,219.26 | 7,092.81 | 101.78 | 30.84 | 85.42 | -1,599.98 | 7,036.76 | 1,052.81 | 997.69 | 55.12 | 19.100 | |
| 13,200.00 | 7,152.45 | 7,220.36 | 7,093.91 | 103.41 | 30.84 | 85.94 | -1,599.96 | 7,036.78 | 953.51 | 898.16 | 55.35 | 17.226 | |
| 13,300.00 | 7,152.33 | 7,221.48 | 7,095.03 | 105.05 | 30.84 | 86.48 | -1,599.93 | 7,036.79 | 854.39 | 798.66 | 55.72 | 15.333 | |
| 13,400.00 | 7,152.21 | 7,222.62 | 7,096.17 | 106.69 | 30.84 | 87.03 | -1,599.90 | 7,036.81 | 755.49 | 699.17 | 56.31 | 13.416 | |
| 13,500.00 | 7,152.09 | 7,223.78 | 7,097.33 | 108.33 | 30.84 | 87.59 | -1,599.87 | 7,036.82 | 656.92 | 599.63 | 57.29 | 11.467 | |
| 13,600.00 | 7,151.98 | 7,224.95 | 7,098.50 | 109.98 | 30.84 | 88.15 | -1,599.84 | 7,036.84 | 558.86 | 499.91 | 58.95 | 9.481 | |
| 13,700.00 | 7,151.86 | 7,226.15 | 7,099.69 | 111.62 | 30.84 | 88.73 | -1,599.81 | 7,036.85 | 461.62 | 399.77 | 61.85 | 7.464 | |
| 13,800.00 | 7,151.74 | 7,227.36 | 7,100.91 | 113.26 | 30.85 | 89.31 | -1,599.78 | 7,036.87 | 365.88 | 298.73 | 67.15 | 5.449 | |
| 13,900.00 | 7,151.62 | 7,228.59 | 7,102.14 | 114.91 | 30.85 | 89.91 | -1,599.75 | 7,036.89 | 273.20 | 195.90 | 77.30 | 3.534 | |
| 14,000.00 | 7,151.50 | 7,229.85 | 7,103.39 | 116.55 | 30.85 | 90.52 | -1,599.72 | 7,036.90 | 188.16 | 90.55 | 97.61 | 1.928 | |
| 14,100.00 | 7,151.38 | 7,231.12 | 7,104.67 | 118.20 | 30.85 | 91.13 | -1,599.69 | 7,036.92 | 127.15 | -4.83 | 131.98 | 0.963 | Level 1 |
| 14,146.20 | 7,151.33 | 7,231.72 | 7,105.26 | 118.96 | 30.85 | 91.42 | -1,599.68 | 7,036.93 | 118.46 | -24.10 | 142.56 | 0.831 | Level 1, CC, ES, SF |
| 14,200.00 | 7,151.26 | 7,232.42 | 7,105.96 | 119.84 | 30.85 | 91.76 | -1,599.66 | 7,036.94 | 130.10 | -8.24 | 138.34 | 0.940 | Level 1 |
| 14,300.00 | 7,151.14 | 7,233.74 | 7,107.28 | 121.49 | 30.85 | 92.40 | -1,599.63 | 7,036.96 | 194.12 | 81.90 | 112.22 | 1.730 | |
| 14,400.00 | 7,151.03 | 7,235.08 | 7,108.62 | 123.14 | 30.85 | 93.05 | -1,599.59 | 7,036.98 | 280.07 | 185.69 | 94.38 | 2.967 | |
| 14,500.00 | 7,150.91 | 7,236.44 | 7,109.99 | 124.79 | 30.86 | 93.70 | -1,599.56 | 7,037.00 | 373.08 | 288.75 | 84.32 | 4.424 | |
| 14,600.00 | 7,150.79 | 7,237.83 | 7,111.37 | 126.44 | 30.86 | 94.37 | -1,599.52 | 7,037.02 | 468.97 | 390.67 | 78.30 | 5.990 | |
| 14,700.00 | 7,150.67 | 7,239.24 | 7,112.79 | 128.09 | 30.86 | 95.05 | -1,599.49 | 7,037.04 | 566.28 | 491.86 | 74.42 | 7.610 | |
| 14,800.00 | 7,150.55 | 7,240.68 | 7,114.22 | 129.74 | 30.86 | 95.75 | -1,599.45 | 7,037.06 | 664.39 | 592.62 | 71.77 | 9.257 | |
| 14,900.00 | 7,150.43 | 7,242.14 | 7,115.68 | 131.39 | 30.86 | 96.45 | -1,599.42 | 7,037.08 | 762.98 | 693.10 | 69.89 | 10.917 | |
| 15,000.00 | 7,150.31 | 7,243.63 | 7,117.17 | 133.04 | 30.86 | 97.16 | -1,599.38 | 7,037.11 | 861.90 | 793.40 | 68.50 | 12.582 | |
| 15,100.00 | 7,150.20 | 7,245.15 | 7,118.69 | 134.69 | 30.86 | 97.89 | -1,599.34 | 7,037.13 | 961.04 | 893.59 | 67.45 | 14.248 | |
| 15,200.00 | 7,150.08 | 7,246.69 | 7,120.23 | 136.34 | 30.87 | 98.62 | -1,599.30 | 7,037.15 | 1,060.34 | 993.70 | 66.64 | 15.911 | |
| 15,300.00 | 7,149.96 | 7,248.26 | 7,121.80 | 138.00 | 30.87 | 99.37 | -1,599.26 | 7,037.18 | 1,159.76 | 1,093.75 | 66.01 | 17.569 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - WIEDEMAN-PM J28-7 - Noble SI Well - No Surveys | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|---------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 12,300.00 | 7,153.52 | 7,100.52 | 7,100.52 | 88.72 | 249.84 | -90.15 | -987.54 | 6,257.30 | 1,172.95 | 872.89 | 300.06 | 3.909 | | |
| 12,400.00 | 7,153.40 | 7,100.40 | 7,100.40 | 90.35 | 249.83 | -90.13 | -987.54 | 6,257.30 | 1,082.97 | 779.68 | 303.29 | 3.571 | | |
| 12,500.00 | 7,153.28 | 7,100.28 | 7,100.28 | 91.98 | 249.83 | -90.12 | -987.54 | 6,257.30 | 994.90 | 687.85 | 307.06 | 3.240 | | |
| 12,600.00 | 7,153.16 | 7,100.16 | 7,100.16 | 93.61 | 249.83 | -90.11 | -987.54 | 6,257.30 | 909.31 | 597.84 | 311.47 | 2.919 | | |
| 12,700.00 | 7,153.04 | 7,100.04 | 7,100.04 | 95.24 | 249.82 | -90.09 | -987.54 | 6,257.30 | 826.95 | 510.33 | 316.62 | 2.612 | | |
| 12,800.00 | 7,152.92 | 7,100.08 | 7,099.92 | 96.87 | 249.82 | -90.08 | -987.54 | 6,257.30 | 748.91 | 426.29 | 322.62 | 2.321 | | |
| 12,900.00 | 7,152.81 | 7,100.19 | 7,099.81 | 98.50 | 249.83 | -90.06 | -987.54 | 6,257.30 | 676.66 | 347.21 | 329.45 | 2.054 | | |
| 13,000.00 | 7,152.69 | 7,100.31 | 7,099.69 | 100.14 | 249.83 | -90.05 | -987.54 | 6,257.30 | 612.28 | 275.34 | 336.94 | 1.817 | | |
| 13,100.00 | 7,152.57 | 7,100.43 | 7,099.57 | 101.78 | 249.84 | -90.04 | -987.54 | 6,257.30 | 558.48 | 213.93 | 344.55 | 1.621 | | |
| 13,200.00 | 7,152.45 | 7,100.55 | 7,099.45 | 103.41 | 249.84 | -90.02 | -987.54 | 6,257.30 | 518.56 | 167.36 | 351.20 | 1.477 | Level 3 | |
| 13,300.00 | 7,152.33 | 7,100.67 | 7,099.33 | 105.05 | 249.84 | -90.01 | -987.54 | 6,257.30 | 495.90 | 140.51 | 355.39 | 1.395 | Level 3 | |
| 13,364.95 | 7,152.25 | 7,100.75 | 7,099.25 | 106.12 | 249.85 | -90.00 | -987.54 | 6,257.30 | 491.63 | 135.48 | 356.15 | 1.380 | Level 3, CC, ES, SF | |
| 13,400.00 | 7,152.21 | 7,100.79 | 7,099.21 | 106.69 | 249.85 | -90.00 | -987.54 | 6,257.30 | 492.88 | 137.04 | 355.84 | 1.385 | Level 3 | |
| 13,500.00 | 7,152.09 | 7,100.91 | 7,099.09 | 108.33 | 249.85 | -89.98 | -987.54 | 6,257.30 | 509.84 | 157.48 | 352.36 | 1.447 | Level 3 | |
| 13,600.00 | 7,151.98 | 7,101.03 | 7,098.98 | 109.98 | 249.86 | -89.97 | -987.54 | 6,257.30 | 544.93 | 198.90 | 346.03 | 1.575 | | |
| 13,700.00 | 7,151.86 | 7,101.14 | 7,098.86 | 111.62 | 249.86 | -89.95 | -987.54 | 6,257.30 | 594.95 | 256.54 | 338.41 | 1.758 | | |
| 13,800.00 | 7,151.74 | 7,101.26 | 7,098.74 | 113.26 | 249.86 | -89.94 | -987.54 | 6,257.30 | 656.48 | 325.77 | 330.71 | 1.985 | | |
| 13,900.00 | 7,151.62 | 7,101.38 | 7,098.62 | 114.91 | 249.87 | -89.93 | -987.54 | 6,257.30 | 726.62 | 403.00 | 323.62 | 2.245 | | |
| 14,000.00 | 7,151.50 | 7,101.50 | 7,098.50 | 116.55 | 249.87 | -89.91 | -987.54 | 6,257.30 | 803.11 | 485.72 | 317.40 | 2.530 | | |
| 14,100.00 | 7,151.38 | 7,101.62 | 7,098.38 | 118.20 | 249.88 | -89.90 | -987.54 | 6,257.30 | 884.31 | 572.25 | 312.06 | 2.834 | | |
| 14,200.00 | 7,151.26 | 7,101.74 | 7,098.26 | 119.84 | 249.88 | -89.88 | -987.54 | 6,257.30 | 969.03 | 661.50 | 307.53 | 3.151 | | |
| 14,300.00 | 7,151.14 | 7,101.86 | 7,098.14 | 121.49 | 249.89 | -89.87 | -987.54 | 6,257.30 | 1,056.42 | 752.72 | 303.70 | 3.478 | | |
| 14,400.00 | 7,151.03 | 7,101.97 | 7,098.03 | 123.14 | 249.89 | -89.86 | -987.54 | 6,257.30 | 1,145.88 | 845.41 | 300.47 | 3.814 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - WIEST 28-11H6 - Noble SI Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 11,800.00 | 7,154.11 | 7,075.11 | 7,075.11 | 80.61 | 248.94 | 90.02 | -2,622.05 | 4,999.65 | 1,187.84 | 863.09 | 324.75 | 3.658 | |
| 11,900.00 | 7,153.99 | 7,074.99 | 7,074.99 | 82.23 | 248.93 | 90.01 | -2,622.05 | 4,999.65 | 1,165.61 | 837.21 | 328.40 | 3.549 | |
| 12,000.00 | 7,153.87 | 7,074.87 | 7,074.87 | 83.85 | 248.93 | 90.01 | -2,622.05 | 4,999.65 | 1,151.66 | 820.00 | 331.65 | 3.472 | |
| 12,100.00 | 7,153.76 | 7,074.76 | 7,074.76 | 85.47 | 248.93 | 90.00 | -2,622.05 | 4,999.65 | 1,146.29 | 811.89 | 334.40 | 3.428 | |
| 12,111.66 | 7,153.74 | 7,074.74 | 7,074.74 | 85.66 | 248.92 | 90.00 | -2,622.05 | 4,999.65 | 1,146.23 | 811.55 | 334.68 | 3.425 CC, ES | |
| 12,200.00 | 7,153.64 | 7,074.64 | 7,074.64 | 87.10 | 248.92 | 89.99 | -2,622.05 | 4,999.65 | 1,149.63 | 813.07 | 336.56 | 3.416 SF | |
| 12,300.00 | 7,153.52 | 7,074.52 | 7,074.52 | 88.72 | 248.92 | 89.99 | -2,622.05 | 4,999.65 | 1,161.60 | 823.51 | 338.09 | 3.436 | |
| 12,400.00 | 7,153.40 | 7,074.40 | 7,074.40 | 90.35 | 248.91 | 89.98 | -2,622.05 | 4,999.65 | 1,181.94 | 842.94 | 339.00 | 3.487 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448, 824-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 9,200.00 | 7,157.20 | 6,919.00 | 6,821.87 | 40.17 | 33.69 | 59.15 | -1,993.34 | 3,086.38 | 1,168.22 | 1,113.94 | 54.28 | 21.521 | |
| 9,300.00 | 7,157.08 | 6,919.00 | 6,821.87 | 41.61 | 33.69 | 59.15 | -1,993.34 | 3,086.38 | 1,084.13 | 1,029.02 | 55.11 | 19.672 | |
| 9,400.00 | 7,156.96 | 6,941.25 | 6,842.81 | 43.07 | 33.69 | 60.85 | -1,992.92 | 3,093.89 | 1,002.40 | 946.10 | 56.30 | 17.805 | |
| 9,500.00 | 7,156.84 | 6,966.00 | 6,865.75 | 44.55 | 33.68 | 62.78 | -1,992.26 | 3,103.14 | 923.80 | 865.94 | 57.87 | 15.964 | |
| 9,600.00 | 7,156.72 | 6,976.74 | 6,875.59 | 46.03 | 33.67 | 63.63 | -1,991.93 | 3,107.45 | 848.77 | 788.85 | 59.92 | 14.166 | |
| 9,700.00 | 7,156.60 | 6,997.33 | 6,894.20 | 47.53 | 33.66 | 65.27 | -1,991.29 | 3,116.21 | 778.43 | 715.90 | 62.53 | 12.450 | |
| 9,800.00 | 7,156.48 | 7,021.36 | 6,915.53 | 49.04 | 33.65 | 67.20 | -1,990.54 | 3,127.27 | 713.81 | 648.06 | 65.75 | 10.856 | |
| 9,900.00 | 7,156.37 | 7,049.83 | 6,940.15 | 50.57 | 33.63 | 69.51 | -1,989.59 | 3,141.53 | 656.20 | 586.61 | 69.59 | 9.430 | |
| 10,000.00 | 7,156.25 | 7,084.88 | 6,969.37 | 52.10 | 33.60 | 72.36 | -1,988.28 | 3,160.82 | 606.93 | 533.02 | 73.91 | 8.212 | |
| 10,100.00 | 7,156.13 | 7,125.52 | 7,001.48 | 53.64 | 33.57 | 75.59 | -1,986.40 | 3,185.65 | 567.14 | 488.67 | 78.47 | 7.227 | |
| 10,200.00 | 7,156.01 | 7,168.88 | 7,033.50 | 55.18 | 33.53 | 78.94 | -1,984.69 | 3,214.82 | 538.12 | 455.16 | 82.96 | 6.486 | |
| 10,300.00 | 7,155.89 | 7,217.96 | 7,066.83 | 56.74 | 33.49 | 82.56 | -1,983.93 | 3,250.82 | 520.74 | 433.78 | 86.96 | 5.988 | |
| 10,400.00 | 7,155.77 | 7,301.02 | 7,116.77 | 58.30 | 33.41 | 88.10 | -1,983.56 | 3,317.12 | 513.24 | 423.57 | 89.68 | 5.723 | |
| 10,500.00 | 7,155.65 | 7,391.44 | 7,162.05 | 59.86 | 33.37 | 93.19 | -1,981.50 | 3,395.28 | 510.78 | 419.08 | 91.69 | 5.570 | |
| 10,527.95 | 7,155.62 | 7,416.11 | 7,172.31 | 60.30 | 33.37 | 94.35 | -1,980.76 | 3,417.69 | 510.63 | 418.40 | 92.23 | 5.536 | |
| 10,600.00 | 7,155.54 | 7,492.51 | 7,198.02 | 61.44 | 33.45 | 97.25 | -1,978.67 | 3,489.56 | 510.96 | 417.57 | 93.39 | 5.471 | |
| 10,700.00 | 7,155.42 | 7,595.51 | 7,218.41 | 63.01 | 34.21 | 99.58 | -1,975.58 | 3,590.37 | 510.64 | 415.14 | 95.50 | 5.347 | |
| 10,751.58 | 7,155.36 | 7,647.08 | 7,223.53 | 63.83 | 34.84 | 100.17 | -1,974.78 | 3,641.67 | 510.61 | 413.83 | 96.79 | 5.276 | |
| 10,800.00 | 7,155.30 | 7,692.52 | 7,226.42 | 64.59 | 35.51 | 100.50 | -1,974.51 | 3,687.02 | 510.76 | 412.60 | 98.16 | 5.204 | |
| 10,900.00 | 7,155.18 | 7,794.38 | 7,229.94 | 66.18 | 37.17 | 100.91 | -1,974.53 | 3,788.81 | 511.19 | 409.98 | 101.21 | 5.051 | |
| 11,000.00 | 7,155.06 | 7,901.68 | 7,228.98 | 67.77 | 39.19 | 100.83 | -1,974.26 | 3,896.09 | 510.51 | 405.84 | 104.67 | 4.877 | |
| 11,100.00 | 7,154.94 | 7,999.59 | 7,226.62 | 69.37 | 41.21 | 100.59 | -1,974.03 | 3,993.98 | 509.60 | 401.25 | 108.35 | 4.703 | |
| 11,200.00 | 7,154.82 | 8,103.35 | 7,223.71 | 70.96 | 43.54 | 100.30 | -1,973.55 | 4,097.69 | 508.39 | 396.12 | 112.27 | 4.528 | |
| 11,300.00 | 7,154.70 | 8,205.40 | 7,220.72 | 72.57 | 45.98 | 100.01 | -1,972.49 | 4,199.70 | 506.61 | 390.29 | 116.32 | 4.355 | |
| 11,400.00 | 7,154.59 | 8,301.14 | 7,218.35 | 74.17 | 48.38 | 99.78 | -1,971.33 | 4,295.39 | 504.76 | 384.34 | 120.42 | 4.192 | |
| 11,444.33 | 7,154.53 | 8,339.91 | 7,217.67 | 74.88 | 49.38 | 99.71 | -1,971.33 | 4,334.15 | 504.52 | 382.31 | 122.21 | 4.128 | |
| 11,500.00 | 7,154.47 | 8,388.62 | 7,217.05 | 75.78 | 50.66 | 99.64 | -1,971.90 | 4,382.86 | 504.90 | 380.44 | 124.47 | 4.057 | |
| 11,600.00 | 7,154.35 | 8,475.74 | 7,215.94 | 77.39 | 53.01 | 99.49 | -1,974.61 | 4,469.93 | 507.53 | 379.01 | 128.52 | 3.949 | |
| 11,700.00 | 7,154.23 | 8,564.85 | 7,214.55 | 79.00 | 55.47 | 99.25 | -1,979.85 | 4,558.87 | 512.79 | 380.14 | 132.65 | 3.866 | |
| 11,800.00 | 7,154.11 | 8,678.40 | 7,215.99 | 80.61 | 58.69 | 99.33 | -1,985.14 | 4,672.27 | 517.34 | 379.93 | 137.41 | 3.765 | |
| 11,900.00 | 7,153.99 | 8,781.36 | 7,218.47 | 82.23 | 61.67 | 99.57 | -1,987.94 | 4,775.16 | 520.16 | 378.29 | 141.88 | 3.666 | |
| 12,000.00 | 7,153.87 | 8,882.99 | 7,221.72 | 83.85 | 64.68 | 99.89 | -1,990.68 | 4,876.70 | 523.13 | 376.80 | 146.33 | 3.575 | |
| 12,100.00 | 7,153.76 | 9,002.35 | 7,223.90 | 85.47 | 68.26 | 100.13 | -1,991.82 | 4,996.03 | 524.21 | 372.99 | 151.22 | 3.467 | |
| 12,200.00 | 7,153.64 | 9,126.50 | 7,222.84 | 87.10 | 72.04 | 100.12 | -1,987.26 | 5,120.08 | 520.08 | 363.98 | 156.10 | 3.332 | |
| 12,300.00 | 7,153.52 | 9,226.39 | 7,221.37 | 88.72 | 75.11 | 100.08 | -1,981.99 | 5,219.82 | 514.39 | 353.63 | 160.76 | 3.200 | |
| 12,400.00 | 7,153.40 | 9,334.69 | 7,220.73 | 90.35 | 78.48 | 100.17 | -1,975.02 | 5,327.89 | 507.70 | 342.29 | 165.41 | 3.069 | |
| 12,500.00 | 7,153.28 | 9,436.70 | 7,219.47 | 91.98 | 81.66 | 100.20 | -1,967.15 | 5,429.59 | 499.64 | 329.56 | 170.08 | 2.938 | |
| 12,600.00 | 7,153.16 | 9,526.61 | 7,217.49 | 93.61 | 84.50 | 100.12 | -1,961.19 | 5,519.27 | 492.51 | 317.69 | 174.83 | 2.817 | |
| 12,700.00 | 7,153.04 | 9,612.45 | 7,214.70 | 95.24 | 87.23 | 99.88 | -1,958.02 | 5,605.01 | 488.05 | 308.48 | 179.57 | 2.718 | |
| 12,800.00 | 7,152.92 | 9,702.37 | 7,212.49 | 96.87 | 90.10 | 99.66 | -1,956.73 | 5,694.89 | 485.98 | 301.69 | 184.28 | 2.637 | |
| 12,847.01 | 7,152.87 | 9,744.36 | 7,212.02 | 97.64 | 91.45 | 99.62 | -1,956.69 | 5,736.88 | 485.73 | 299.28 | 186.45 | 2.605 CC | |
| 12,900.00 | 7,152.81 | 9,792.21 | 7,211.94 | 98.50 | 92.99 | 99.61 | -1,957.10 | 5,784.73 | 486.04 | 297.17 | 188.87 | 2.573 | |
| 13,000.00 | 7,152.69 | 9,888.48 | 7,211.82 | 100.14 | 96.10 | 99.58 | -1,958.77 | 5,880.98 | 487.48 | 293.88 | 193.60 | 2.518 | |
| 13,100.00 | 7,152.57 | 9,985.61 | 7,211.81 | 101.78 | 99.26 | 99.55 | -1,961.14 | 5,978.08 | 489.64 | 291.28 | 198.36 | 2.468 | |
| 13,200.00 | 7,152.45 | 10,086.25 | 7,211.60 | 103.41 | 102.54 | 99.50 | -1,963.74 | 6,078.69 | 491.91 | 288.65 | 203.26 | 2.420 | |
| 13,300.00 | 7,152.33 | 10,183.40 | 7,211.02 | 105.05 | 105.71 | 99.39 | -1,966.61 | 6,175.79 | 494.49 | 286.40 | 208.09 | 2.376 | |
| 13,400.00 | 7,152.21 | 10,281.11 | 7,210.40 | 106.69 | 108.92 | 99.28 | -1,969.96 | 6,273.45 | 497.52 | 284.57 | 212.95 | 2.336 | |
| 13,500.00 | 7,152.09 | 10,382.13 | 7,210.06 | 108.33 | 112.24 | 99.19 | -1,973.90 | 6,374.38 | 501.08 | 283.15 | 217.93 | 2.299 | |
| 13,600.00 | 7,151.98 | 10,500.08 | 7,211.15 | 109.98 | 116.13 | 99.30 | -1,975.64 | 6,492.31 | 502.45 | 279.15 | 223.30 | 2.250 | |
| 13,700.00 | 7,151.86 | 10,604.85 | 7,210.76 | 111.62 | 119.59 | 99.30 | -1,974.39 | 6,597.07 | 500.94 | 272.64 | 228.30 | 2.194 | |
| 13,800.00 | 7,151.74 | 10,698.95 | 7,209.61 | 113.26 | 122.71 | 99.19 | -1,973.91 | 6,691.16 | 500.00 | 266.86 | 233.14 | 2.145 | |
| 13,818.92 | 7,151.72 | 10,716.54 | 7,209.45 | 113.57 | 123.29 | 99.18 | -1,973.96 | 6,708.75 | 499.98 | 265.93 | 234.05 | 2.136 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448, 824-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 13,900.00 | 7,151.62 | 10,788.88 | 7,209.03 | 114.91 | 125.70 | 99.13 | -1,974.79 | 6,781.08 | 500.63 | 262.82 | 237.82 | 2.105 | |
| 14,000.00 | 7,151.50 | 10,881.08 | 7,208.82 | 116.55 | 128.77 | 99.07 | -1,977.59 | 6,873.24 | 503.33 | 260.83 | 242.50 | 2.076 | |
| 14,100.00 | 7,151.38 | 10,984.31 | 7,208.26 | 118.20 | 132.21 | 98.96 | -1,981.38 | 6,976.40 | 506.64 | 259.01 | 247.63 | 2.046 | |
| 14,200.00 | 7,151.26 | 11,081.24 | 7,207.59 | 119.84 | 135.44 | 98.85 | -1,984.23 | 7,073.28 | 509.21 | 256.68 | 252.52 | 2.016 | |
| 14,300.00 | 7,151.14 | 11,182.57 | 7,207.24 | 121.49 | 138.83 | 98.76 | -1,988.07 | 7,174.54 | 512.66 | 255.07 | 257.58 | 1.990 | |
| 14,400.00 | 7,151.03 | 11,307.33 | 7,208.41 | 123.14 | 143.00 | 98.89 | -1,989.33 | 7,299.26 | 513.64 | 250.50 | 263.14 | 1.952 | |
| 14,500.00 | 7,150.91 | 11,410.79 | 7,210.42 | 124.79 | 146.47 | 99.17 | -1,987.08 | 7,402.69 | 511.56 | 243.60 | 267.96 | 1.909 | |
| 14,600.00 | 7,150.79 | 11,516.73 | 7,211.02 | 126.44 | 150.01 | 99.32 | -1,983.94 | 7,508.58 | 508.48 | 235.62 | 272.86 | 1.864 | |
| 14,700.00 | 7,150.67 | 11,619.33 | 7,211.67 | 128.09 | 153.45 | 99.49 | -1,979.67 | 7,611.08 | 504.22 | 226.52 | 277.70 | 1.816 | |
| 14,800.00 | 7,150.55 | 11,714.06 | 7,212.29 | 129.74 | 156.62 | 99.64 | -1,976.33 | 7,705.75 | 500.61 | 218.09 | 282.51 | 1.772 | |
| 14,900.00 | 7,150.43 | 11,814.68 | 7,211.93 | 131.39 | 163.72 | 99.67 | -1,973.50 | 7,806.33 | 497.53 | 206.41 | 291.12 | 1.709 | |
| 14,957.79 | 7,150.36 | 11,856.00 | 7,211.55 | 132.34 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 495.88 | 194.45 | 301.43 | 1.645 ES, SF | |
| 15,000.00 | 7,150.31 | 11,856.00 | 7,211.55 | 133.04 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 497.68 | 196.29 | 301.39 | 1.651 | |
| 15,100.00 | 7,150.20 | 11,856.00 | 7,211.55 | 134.69 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 515.87 | 222.28 | 293.59 | 1.757 | |
| 15,200.00 | 7,150.08 | 11,856.00 | 7,211.55 | 136.34 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 551.87 | 274.21 | 277.67 | 1.988 | |
| 15,300.00 | 7,149.96 | 11,856.00 | 7,211.55 | 138.00 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 602.50 | 344.69 | 257.81 | 2.337 | |
| 15,400.00 | 7,149.84 | 11,856.00 | 7,211.55 | 139.65 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 664.41 | 427.01 | 237.41 | 2.799 | |
| 15,500.00 | 7,149.72 | 11,856.00 | 7,211.55 | 141.30 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 734.77 | 516.42 | 218.36 | 3.365 | |
| 15,600.00 | 7,149.60 | 11,856.00 | 7,211.55 | 142.96 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 811.37 | 609.95 | 201.43 | 4.028 | |
| 15,700.00 | 7,149.48 | 11,856.00 | 7,211.55 | 144.61 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 892.62 | 705.86 | 186.76 | 4.779 | |
| 15,800.00 | 7,149.36 | 11,856.00 | 7,211.55 | 146.27 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 977.35 | 803.15 | 174.20 | 5.611 | |
| 15,900.00 | 7,149.25 | 11,856.00 | 7,211.55 | 147.92 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 1,064.73 | 901.26 | 163.47 | 6.513 | |
| 16,000.00 | 7,149.13 | 11,856.00 | 7,211.55 | 149.58 | 172.92 | 99.66 | -1,972.27 | 7,847.63 | 1,154.16 | 999.85 | 154.31 | 7.480 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-28 Offsets - ZION PM J 28-12 - Noble PR Well - Actual VES Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7350-SRC Energy_2° CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 10,200.00 | 7,156.01 | 7,071.33 | 7,070.07 | 55.18 | 15.41 | 87.95 | -2,573.73 | 3,506.34 | 1,179.26 | 1,114.57 | 64.69 | 18.230 | |
| 10,300.00 | 7,155.89 | 7,070.80 | 7,069.55 | 56.74 | 15.41 | 87.92 | -2,573.71 | 3,506.34 | 1,147.61 | 1,079.63 | 67.98 | 16.882 | |
| 10,400.00 | 7,155.77 | 7,070.27 | 7,069.02 | 58.30 | 15.41 | 87.90 | -2,573.69 | 3,506.34 | 1,123.99 | 1,052.83 | 71.16 | 15.795 | |
| 10,500.00 | 7,155.65 | 7,069.72 | 7,068.47 | 59.86 | 15.41 | 87.87 | -2,573.67 | 3,506.34 | 1,108.92 | 1,034.79 | 74.12 | 14.960 | |
| 10,600.00 | 7,155.54 | 7,069.17 | 7,067.92 | 61.44 | 15.41 | 87.84 | -2,573.64 | 3,506.35 | 1,102.74 | 1,025.98 | 76.76 | 14.366 | |
| 10,618.28 | 7,155.51 | 7,069.07 | 7,067.82 | 61.72 | 15.41 | 87.83 | -2,573.64 | 3,506.35 | 1,102.59 | 1,025.39 | 77.20 | 14.283 CC, ES | |
| 10,700.00 | 7,155.42 | 7,068.61 | 7,067.35 | 63.01 | 15.41 | 87.81 | -2,573.62 | 3,506.35 | 1,105.62 | 1,026.64 | 78.98 | 13.999 | |
| 10,800.00 | 7,155.30 | 7,068.03 | 7,066.78 | 64.59 | 15.41 | 87.78 | -2,573.60 | 3,506.35 | 1,117.47 | 1,036.73 | 80.73 | 13.841 SF | |
| 10,900.00 | 7,155.18 | 7,067.45 | 7,066.20 | 66.18 | 15.41 | 87.75 | -2,573.58 | 3,506.35 | 1,138.01 | 1,056.01 | 82.00 | 13.878 | |
| 11,000.00 | 7,155.06 | 7,066.85 | 7,065.60 | 67.77 | 15.40 | 87.72 | -2,573.56 | 3,506.36 | 1,166.80 | 1,083.99 | 82.80 | 14.091 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448, 517-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 8,200.00 | 7,158.38 | 7,258.65 | 7,156.61 | 27.36 | 30.01 | -90.77 | -634.65 | 1,917.75 | 1,172.02 | 1,114.39 | 57.63 | 20.336 | |
| 8,300.00 | 7,158.26 | 7,258.05 | 7,156.01 | 28.43 | 30.00 | -90.73 | -634.65 | 1,917.75 | 1,103.97 | 1,045.33 | 58.64 | 18.828 | |
| 8,400.00 | 7,158.15 | 7,257.44 | 7,155.40 | 29.58 | 30.00 | -90.69 | -634.64 | 1,917.75 | 1,041.08 | 981.38 | 59.70 | 17.439 | |
| 8,500.00 | 7,158.03 | 7,256.84 | 7,154.80 | 30.77 | 30.00 | -90.65 | -634.64 | 1,917.75 | 984.36 | 923.58 | 60.78 | 16.194 | |
| 8,600.00 | 7,157.91 | 7,256.23 | 7,154.19 | 32.02 | 30.00 | -90.60 | -634.63 | 1,917.76 | 934.92 | 873.08 | 61.84 | 15.119 | |
| 8,700.00 | 7,157.79 | 7,255.61 | 7,153.57 | 33.30 | 30.00 | -90.56 | -634.63 | 1,917.76 | 893.97 | 831.19 | 62.78 | 14.241 | |
| 8,800.00 | 7,157.67 | 7,255.00 | 7,152.96 | 34.62 | 30.00 | -90.52 | -634.62 | 1,917.76 | 862.72 | 799.20 | 63.52 | 13.583 | |
| 8,900.00 | 7,157.55 | 7,254.38 | 7,152.34 | 35.97 | 30.00 | -90.48 | -634.62 | 1,917.77 | 842.25 | 778.28 | 63.97 | 13.166 | |
| 9,000.00 | 7,157.43 | 7,253.76 | 7,151.72 | 37.35 | 30.00 | -90.43 | -634.61 | 1,917.77 | 833.36 | 769.28 | 64.08 | 13.004 | |
| 9,024.48 | 7,157.40 | 7,253.61 | 7,151.57 | 37.69 | 30.00 | -90.42 | -634.61 | 1,917.77 | 833.01 | 768.95 | 64.06 | 13.004 CC, ES, SF | |
| 9,100.00 | 7,157.32 | 7,253.13 | 7,151.10 | 38.75 | 30.00 | -90.39 | -634.61 | 1,917.77 | 836.42 | 772.58 | 63.84 | 13.101 | |
| 9,200.00 | 7,157.20 | 7,252.51 | 7,150.47 | 40.17 | 30.00 | -90.35 | -634.60 | 1,917.78 | 851.30 | 788.00 | 63.29 | 13.450 | |
| 9,300.00 | 7,157.08 | 7,251.88 | 7,149.84 | 41.61 | 30.00 | -90.31 | -634.60 | 1,917.78 | 877.39 | 814.87 | 62.52 | 14.035 | |
| 9,400.00 | 7,156.96 | 7,251.25 | 7,149.21 | 43.07 | 29.99 | -90.26 | -634.60 | 1,917.78 | 913.73 | 852.13 | 61.60 | 14.833 | |
| 9,500.00 | 7,156.84 | 7,250.62 | 7,148.58 | 44.55 | 29.99 | -90.22 | -634.59 | 1,917.79 | 959.17 | 898.53 | 60.64 | 15.817 | |
| 9,600.00 | 7,156.72 | 7,249.98 | 7,147.94 | 46.03 | 29.99 | -90.17 | -634.59 | 1,917.79 | 1,012.48 | 952.78 | 59.69 | 16.961 | |
| 9,700.00 | 7,156.60 | 7,249.34 | 7,147.30 | 47.53 | 29.99 | -90.13 | -634.58 | 1,917.79 | 1,072.48 | 1,013.68 | 58.80 | 18.239 | |
| 9,800.00 | 7,156.48 | 7,248.70 | 7,146.66 | 49.04 | 29.99 | -90.09 | -634.58 | 1,917.80 | 1,138.12 | 1,080.13 | 57.98 | 19.628 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLE J 29-18D - Noble SI Well - Actual Ens | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|---------------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448, 554-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Centre +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 89.21 | 16.06 | 1,163.20 | 1,163.37 | | | | |
| 100.00 | 100.00 | 88.00 | 88.00 | 3.28 | 3.55 | 89.21 | 16.06 | 1,163.20 | 1,163.31 | 1,155.69 | 7.62 | 152.592 | |
| 200.00 | 200.00 | 188.00 | 188.00 | 3.31 | 5.70 | 89.21 | 16.06 | 1,163.20 | 1,163.31 | 1,153.52 | 9.79 | 118.767 | |
| 300.00 | 299.98 | 287.98 | 287.98 | 3.34 | 8.83 | -93.72 | 16.06 | 1,163.20 | 1,163.42 | 1,150.46 | 12.97 | 89.706 | |
| 400.00 | 399.84 | 387.84 | 387.84 | 3.40 | 12.19 | -93.97 | 16.06 | 1,163.20 | 1,163.78 | 1,147.39 | 16.38 | 71.038 | |
| 500.00 | 499.45 | 487.32 | 487.32 | 3.49 | 14.97 | -94.39 | 16.08 | 1,163.20 | 1,164.42 | 1,145.17 | 19.24 | 60.508 | |
| 600.00 | 598.70 | 586.72 | 586.72 | 3.60 | 16.12 | -94.97 | 16.32 | 1,163.22 | 1,165.44 | 1,144.92 | 20.52 | 56.807 | |
| 700.00 | 697.47 | 686.86 | 686.86 | 3.75 | 16.13 | -95.71 | 16.25 | 1,163.16 | 1,166.85 | 1,146.18 | 20.67 | 56.447 | |
| 800.00 | 795.62 | 784.25 | 784.25 | 3.95 | 16.14 | -96.56 | 16.02 | 1,163.09 | 1,168.84 | 1,147.97 | 20.88 | 55.990 | |
| 900.00 | 893.30 | 881.68 | 881.68 | 4.18 | 16.15 | -97.57 | 15.95 | 1,163.07 | 1,171.51 | 1,150.39 | 21.12 | 55.461 | |
| 1,000.00 | 990.96 | 981.06 | 981.06 | 4.45 | 16.17 | -98.59 | 15.66 | 1,162.99 | 1,174.50 | 1,153.09 | 21.41 | 54.866 | |
| 1,100.00 | 1,088.62 | 1,080.10 | 1,080.10 | 4.74 | 16.19 | -99.58 | 15.04 | 1,162.82 | 1,177.72 | 1,156.01 | 21.72 | 54.230 | |
| 1,200.00 | 1,186.28 | 1,178.72 | 1,178.72 | 5.05 | 16.22 | -100.57 | 14.41 | 1,162.57 | 1,181.23 | 1,159.18 | 22.05 | 53.569 | |
| 1,300.00 | 1,283.94 | 1,277.35 | 1,277.34 | 5.38 | 16.25 | -101.55 | 13.69 | 1,162.26 | 1,185.03 | 1,162.62 | 22.41 | 52.891 | |
| 1,400.00 | 1,381.60 | 1,376.42 | 1,376.40 | 5.73 | 16.28 | -102.51 | 12.67 | 1,161.93 | 1,189.10 | 1,166.33 | 22.77 | 52.213 | |
| 1,500.00 | 1,479.26 | 1,481.58 | 1,481.55 | 6.08 | 16.33 | -103.52 | 11.47 | 1,161.20 | 1,193.15 | 1,169.99 | 23.16 | 51.513 | |
| 1,600.00 | 1,576.92 | 1,610.44 | 1,610.38 | 6.45 | 16.38 | -104.75 | 9.65 | 1,158.85 | 1,196.53 | 1,172.97 | 23.56 | 50.784 | |
| 1,700.00 | 1,674.58 | 1,771.41 | 1,770.92 | 6.82 | 16.47 | -106.14 | 2.99 | 1,149.50 | 1,195.61 | 1,171.67 | 23.94 | 49.939 | |
| 1,800.00 | 1,772.24 | 1,924.17 | 1,922.55 | 7.21 | 16.58 | -107.34 | -7.37 | 1,134.29 | 1,190.50 | 1,166.21 | 24.30 | 49.001 | |
| 1,900.00 | 1,869.90 | 2,081.47 | 2,077.49 | 7.42 | 16.73 | -108.51 | -21.80 | 1,111.50 | 1,180.53 | 1,156.29 | 24.23 | 48.719 | |
| 2,000.00 | 1,967.56 | 2,252.40 | 2,243.88 | 7.47 | 16.96 | -109.63 | -43.48 | 1,079.10 | 1,165.69 | 1,141.55 | 24.14 | 48.281 | |
| 2,100.00 | 2,065.22 | 2,360.88 | 2,348.26 | 7.54 | 17.15 | -110.25 | -60.40 | 1,054.90 | 1,146.81 | 1,122.54 | 24.26 | 47.264 | |
| 2,200.00 | 2,162.88 | 2,446.06 | 2,430.01 | 7.63 | 17.31 | -110.62 | -76.25 | 1,036.98 | 1,128.45 | 1,103.96 | 24.49 | 46.082 | |
| 2,300.00 | 2,260.54 | 2,572.69 | 2,551.47 | 7.74 | 17.57 | -111.15 | -100.49 | 1,010.64 | 1,110.40 | 1,085.81 | 24.59 | 45.150 | |
| 2,400.00 | 2,358.20 | 2,657.59 | 2,632.77 | 7.87 | 17.78 | -111.57 | -115.94 | 991.73 | 1,091.05 | 1,066.18 | 24.87 | 43.866 | |
| 2,500.00 | 2,455.85 | 2,809.32 | 2,776.88 | 8.01 | 18.23 | -112.45 | -143.40 | 953.07 | 1,068.20 | 1,043.29 | 24.92 | 42.873 | |
| 2,600.00 | 2,553.51 | 2,899.55 | 2,862.24 | 8.17 | 18.52 | -113.00 | -159.89 | 928.91 | 1,044.71 | 1,019.49 | 25.22 | 41.426 | |
| 2,700.00 | 2,651.17 | 2,969.97 | 2,929.20 | 8.34 | 18.74 | -113.46 | -172.32 | 910.99 | 1,022.85 | 997.23 | 25.62 | 39.930 | |
| 2,800.00 | 2,748.83 | 3,056.24 | 3,011.70 | 8.52 | 19.02 | -113.99 | -187.90 | 891.23 | 1,003.31 | 977.34 | 25.97 | 38.638 | |
| 2,900.00 | 2,846.49 | 3,172.99 | 3,122.86 | 8.72 | 19.45 | -114.55 | -212.04 | 864.92 | 983.38 | 957.14 | 26.24 | 37.481 | |
| 3,000.00 | 2,944.15 | 3,258.11 | 3,204.00 | 8.93 | 19.78 | -115.08 | -228.00 | 844.76 | 963.07 | 936.43 | 26.63 | 36.159 | |
| 3,100.00 | 3,041.81 | 3,345.84 | 3,288.04 | 9.16 | 20.10 | -115.80 | -242.11 | 823.91 | 943.81 | 916.79 | 27.01 | 34.938 | |
| 3,200.00 | 3,139.47 | 3,423.00 | 3,362.35 | 9.39 | 20.38 | -116.46 | -253.85 | 806.76 | 926.48 | 899.04 | 27.44 | 33.763 | |
| 3,300.00 | 3,237.13 | 3,499.27 | 3,436.22 | 9.63 | 20.65 | -117.11 | -265.14 | 791.49 | 911.56 | 883.68 | 27.87 | 32.706 | |
| 3,400.00 | 3,334.79 | 3,598.07 | 3,532.16 | 9.88 | 21.00 | -117.97 | -279.42 | 772.74 | 897.97 | 869.73 | 28.24 | 31.802 | |
| 3,500.00 | 3,432.45 | 3,659.53 | 3,592.14 | 10.14 | 21.21 | -118.54 | -287.49 | 762.06 | 886.55 | 857.84 | 28.71 | 30.877 | |
| 3,600.00 | 3,530.11 | 3,743.66 | 3,674.79 | 10.41 | 21.47 | -119.36 | -297.09 | 749.65 | 878.48 | 849.37 | 29.11 | 30.175 | |
| 3,700.00 | 3,627.77 | 3,942.55 | 3,868.22 | 10.68 | 22.24 | -121.35 | -323.75 | 712.54 | 867.19 | 838.03 | 29.16 | 29.740 | |
| 3,800.00 | 3,725.43 | 4,044.51 | 3,965.72 | 10.96 | 22.74 | -122.44 | -339.99 | 687.50 | 848.85 | 819.30 | 29.55 | 28.729 | |
| 3,900.00 | 3,823.09 | 4,148.18 | 4,064.37 | 11.25 | 23.27 | -123.52 | -358.21 | 661.37 | 829.37 | 799.43 | 29.93 | 27.707 | |
| 4,000.00 | 3,920.75 | 4,230.16 | 4,142.56 | 11.54 | 23.67 | -124.44 | -372.05 | 640.98 | 810.86 | 780.43 | 30.43 | 26.648 | |
| 4,100.00 | 4,018.41 | 4,301.68 | 4,211.31 | 11.84 | 24.00 | -125.34 | -382.47 | 624.26 | 795.18 | 764.22 | 30.96 | 25.684 | |
| 4,200.00 | 4,116.07 | 4,369.02 | 4,276.72 | 12.14 | 24.28 | -126.25 | -390.34 | 610.37 | 783.63 | 752.15 | 31.48 | 24.889 | |
| 4,300.00 | 4,213.73 | 4,467.71 | 4,372.85 | 12.45 | 24.69 | -127.59 | -401.76 | 591.20 | 773.66 | 741.76 | 31.90 | 24.255 | |
| 4,400.00 | 4,311.39 | 4,534.00 | 4,437.77 | 12.76 | 24.95 | -128.49 | -408.66 | 579.68 | 766.52 | 734.12 | 32.41 | 23.654 | |
| 4,500.00 | 4,409.05 | 4,609.04 | 4,511.74 | 13.08 | 25.19 | -129.53 | -414.96 | 568.80 | 763.33 | 730.47 | 32.86 | 23.230 | |
| 4,541.11 | 4,449.20 | 4,640.19 | 4,542.57 | 13.21 | 25.29 | -129.95 | -417.28 | 564.94 | 763.06 | 730.02 | 33.04 | 23.094 CC, ES | |
| 4,600.00 | 4,506.71 | 4,685.71 | 4,587.70 | 13.40 | 25.41 | -130.53 | -420.58 | 560.03 | 763.60 | 730.31 | 33.29 | 22.935 | |
| 4,700.00 | 4,604.37 | 4,764.84 | 4,666.35 | 13.72 | 25.61 | -131.51 | -425.73 | 553.13 | 766.90 | 733.19 | 33.71 | 22.748 | |
| 4,800.00 | 4,702.03 | 4,849.79 | 4,750.99 | 14.04 | 25.81 | -132.58 | -429.78 | 546.97 | 772.77 | 738.65 | 34.12 | 22.647 | |
| 4,900.00 | 4,799.69 | 4,943.73 | 4,844.66 | 14.37 | 26.00 | -133.69 | -434.16 | 541.49 | 780.13 | 745.59 | 34.54 | 22.583 | |
| 5,000.00 | 4,897.35 | 5,029.67 | 4,930.40 | 14.70 | 26.17 | -134.59 | -438.77 | 537.94 | 788.62 | 753.67 | 34.96 | 22.559 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448, 554-SRC Energy_ISCWSA REV 2 MWD | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 5,100.00 | 4,995.01 | 5,123.97 | 5,024.56 | 15.03 | 26.34 | -135.50 | -443.49 | 535.47 | 798.68 | 763.30 | 35.38 | 22.572 | |
| 5,200.00 | 5,092.67 | 5,197.98 | 5,098.50 | 15.37 | 26.46 | -136.27 | -445.71 | 533.60 | 810.46 | 774.70 | 35.76 | 22.665 | |
| 5,300.00 | 5,190.33 | 5,278.48 | 5,178.98 | 15.71 | 26.57 | -137.19 | -445.40 | 532.25 | 825.32 | 789.18 | 36.14 | 22.840 | |
| 5,400.00 | 5,287.99 | 5,370.56 | 5,271.06 | 16.05 | 26.67 | -138.19 | -444.46 | 531.82 | 841.79 | 805.24 | 36.55 | 23.031 | |
| 5,500.00 | 5,385.65 | 5,466.17 | 5,366.67 | 16.39 | 26.78 | -139.15 | -443.60 | 531.90 | 858.80 | 821.82 | 36.98 | 23.221 | |
| 5,600.00 | 5,483.31 | 5,567.79 | 5,468.28 | 16.73 | 26.89 | -140.11 | -443.07 | 532.23 | 875.96 | 838.51 | 37.45 | 23.393 | |
| 5,700.00 | 5,580.97 | 5,666.37 | 5,566.86 | 17.08 | 27.01 | -140.98 | -443.15 | 532.51 | 892.85 | 854.95 | 37.90 | 23.558 | |
| 5,800.00 | 5,678.63 | 5,752.33 | 5,652.81 | 17.42 | 27.10 | -141.66 | -443.25 | 533.79 | 910.67 | 872.36 | 38.30 | 23.775 | |
| 5,900.00 | 5,776.29 | 5,848.95 | 5,749.39 | 17.77 | 27.20 | -142.33 | -443.22 | 536.76 | 929.74 | 890.99 | 38.75 | 23.994 | |
| 6,000.00 | 5,873.95 | 5,979.34 | 5,879.75 | 18.12 | 27.36 | -143.27 | -444.44 | 537.95 | 946.88 | 907.55 | 39.33 | 24.078 | |
| 6,100.00 | 5,971.61 | 6,074.74 | 5,975.14 | 18.47 | 27.50 | -144.00 | -445.97 | 537.02 | 962.50 | 922.71 | 39.79 | 24.191 | |
| 6,200.00 | 6,069.26 | 6,168.26 | 6,068.65 | 18.82 | 27.64 | -144.68 | -447.17 | 536.47 | 978.75 | 938.51 | 40.25 | 24.320 | |
| 6,300.00 | 6,166.92 | 6,265.61 | 6,166.00 | 19.18 | 27.78 | -145.35 | -448.46 | 536.34 | 995.38 | 954.67 | 40.72 | 24.447 | |
| 6,400.00 | 6,264.58 | 6,362.08 | 6,262.45 | 19.53 | 27.92 | -145.96 | -449.99 | 536.67 | 1,012.21 | 971.02 | 41.18 | 24.577 | |
| 6,500.00 | 6,362.24 | 6,456.61 | 6,356.97 | 19.89 | 28.06 | -146.55 | -451.20 | 537.02 | 1,029.41 | 987.76 | 41.65 | 24.717 | |
| 6,600.00 | 6,459.90 | 6,552.46 | 6,452.82 | 20.24 | 28.19 | -147.14 | -452.05 | 537.33 | 1,047.02 | 1,004.90 | 42.12 | 24.859 | |
| 6,700.00 | 6,557.56 | 6,649.56 | 6,549.91 | 20.59 | 28.33 | -136.33 | -452.87 | 537.78 | 1,064.50 | 1,021.91 | 42.59 | 24.995 | |
| 6,800.00 | 6,654.52 | 6,746.31 | 6,646.66 | 20.88 | 28.46 | -104.40 | -453.73 | 538.37 | 1,075.67 | 1,032.64 | 43.03 | 24.998 | |
| 6,900.00 | 6,748.60 | 6,840.42 | 6,740.75 | 21.16 | 28.60 | -89.32 | -454.59 | 539.05 | 1,078.58 | 1,035.10 | 43.48 | 24.805 | |
| 7,000.00 | 6,837.47 | 6,928.99 | 6,829.33 | 21.44 | 28.73 | -83.34 | -455.34 | 539.66 | 1,074.27 | 1,030.31 | 43.95 | 24.443 | |
| 7,100.00 | 6,918.94 | 7,010.07 | 6,910.40 | 21.70 | 28.84 | -81.81 | -455.88 | 540.07 | 1,064.33 | 1,019.88 | 44.45 | 23.944 | |
| 7,200.00 | 6,991.02 | 7,080.70 | 6,981.03 | 21.95 | 28.94 | -82.59 | -456.23 | 540.40 | 1,050.83 | 1,005.82 | 45.01 | 23.348 | |
| 7,300.00 | 7,051.93 | 7,140.55 | 7,040.88 | 22.19 | 29.03 | -84.54 | -456.44 | 540.73 | 1,036.10 | 990.46 | 45.64 | 22.699 | |
| 7,400.00 | 7,100.16 | 7,188.37 | 7,088.69 | 22.43 | 29.10 | -86.81 | -456.56 | 541.04 | 1,022.53 | 976.15 | 46.38 | 22.046 | |
| 7,500.00 | 7,134.53 | 7,223.84 | 7,124.17 | 22.69 | 29.15 | -88.82 | -456.65 | 541.28 | 1,012.31 | 965.09 | 47.22 | 21.439 | |
| 7,600.00 | 7,154.20 | 7,244.47 | 7,144.79 | 23.01 | 29.18 | -90.01 | -456.70 | 541.42 | 1,007.26 | 959.16 | 48.10 | 20.939 | |
| 7,628.38 | 7,157.14 | 7,247.66 | 7,147.98 | 23.11 | 29.19 | -90.16 | -456.71 | 541.44 | 1,006.98 | 958.61 | 48.37 | 20.820 | |
| 7,700.00 | 7,158.98 | 7,250.03 | 7,150.35 | 23.42 | 29.19 | -90.19 | -456.72 | 541.46 | 1,008.57 | 959.59 | 48.97 | 20.594 | |
| 7,800.00 | 7,158.86 | 7,250.62 | 7,150.94 | 23.96 | 29.19 | -90.22 | -456.72 | 541.46 | 1,018.66 | 968.86 | 49.80 | 20.454 SF | |
| 7,900.00 | 7,158.74 | 7,251.21 | 7,151.53 | 24.64 | 29.19 | -90.26 | -456.72 | 541.47 | 1,038.33 | 987.77 | 50.55 | 20.539 | |
| 8,000.00 | 7,158.62 | 7,251.80 | 7,152.12 | 25.44 | 29.19 | -90.29 | -456.72 | 541.47 | 1,067.05 | 1,015.84 | 51.20 | 20.840 | |
| 8,100.00 | 7,158.50 | 7,252.39 | 7,152.72 | 26.35 | 29.19 | -90.32 | -456.73 | 541.47 | 1,104.10 | 1,052.37 | 51.73 | 21.342 | |
| 8,200.00 | 7,158.38 | 7,252.98 | 7,153.31 | 27.36 | 29.19 | -90.36 | -456.73 | 541.48 | 1,148.70 | 1,096.55 | 52.15 | 22.028 | |
| 8,300.00 | 7,158.26 | 7,253.58 | 7,153.90 | 28.43 | 29.19 | -90.39 | -456.73 | 541.48 | 1,199.98 | 1,147.53 | 52.45 | 22.877 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 89.14 | 17.87 | 1,187.44 | 1,187.64 | | | | |
| 100.00 | 100.00 | 88.00 | 88.00 | 3.28 | 3.55 | 89.14 | 17.87 | 1,187.44 | 1,187.58 | 1,179.95 | 7.62 | 155.774 | |
| 200.00 | 200.00 | 188.00 | 188.00 | 3.31 | 5.70 | 89.14 | 17.87 | 1,187.44 | 1,187.58 | 1,177.78 | 9.79 | 121.244 CC | |
| 300.00 | 299.98 | 287.98 | 287.98 | 3.34 | 8.83 | -93.79 | 17.87 | 1,187.44 | 1,187.69 | 1,174.72 | 12.97 | 91.577 | |
| 400.00 | 399.84 | 387.84 | 387.84 | 3.40 | 12.19 | -94.04 | 17.87 | 1,187.44 | 1,188.05 | 1,171.67 | 16.38 | 72.520 | |
| 500.00 | 499.45 | 487.45 | 487.45 | 3.49 | 15.62 | -94.44 | 17.87 | 1,187.44 | 1,188.69 | 1,168.80 | 19.89 | 59.751 | |
| 600.00 | 598.70 | 586.70 | 586.70 | 3.60 | 19.07 | -95.00 | 17.87 | 1,187.44 | 1,189.71 | 1,166.24 | 23.46 | 50.709 | |
| 700.00 | 697.47 | 685.47 | 685.47 | 3.75 | 22.53 | -95.71 | 17.87 | 1,187.44 | 1,191.19 | 1,164.12 | 27.07 | 44.007 | |
| 800.00 | 795.62 | 783.62 | 783.62 | 3.95 | 25.97 | -96.57 | 17.87 | 1,187.44 | 1,193.26 | 1,162.56 | 30.71 | 38.859 | |
| 900.00 | 893.30 | 881.30 | 881.30 | 4.18 | 29.41 | -97.55 | 17.87 | 1,187.44 | 1,195.96 | 1,161.58 | 34.38 | 34.788 | |
| 1,000.00 | 990.96 | 978.96 | 978.96 | 4.45 | 32.85 | -98.55 | 17.87 | 1,187.44 | 1,199.04 | 1,160.96 | 38.08 | 31.485 ES, SF | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - CARLSON 10-29 - Noble SI Well - Actual VES S | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7300-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 7,800.00 | 7,158.86 | 7,209.69 | 7,189.55 | 23.96 | 15.65 | 93.08 | -2,528.70 | 1,191.95 | 1,177.70 | 1,141.41 | 36.29 | 32.448 | |
| 7,900.00 | 7,158.74 | 7,189.27 | 7,188.51 | 24.64 | 15.61 | 93.03 | -2,528.75 | 1,191.97 | 1,138.54 | 1,101.55 | 36.99 | 30.783 | |
| 8,000.00 | 7,158.62 | 7,187.47 | 7,186.71 | 25.44 | 15.60 | 92.93 | -2,528.83 | 1,192.00 | 1,107.04 | 1,068.98 | 38.06 | 29.089 | |
| 8,100.00 | 7,158.50 | 7,185.70 | 7,184.94 | 26.35 | 15.60 | 92.84 | -2,528.92 | 1,192.03 | 1,083.87 | 1,044.45 | 39.43 | 27.489 | |
| 8,200.00 | 7,158.38 | 7,183.95 | 7,183.19 | 27.36 | 15.59 | 92.74 | -2,529.00 | 1,192.06 | 1,069.59 | 1,028.56 | 41.03 | 26.067 | |
| 8,300.00 | 7,158.26 | 7,182.22 | 7,181.46 | 28.43 | 15.59 | 92.65 | -2,529.08 | 1,192.10 | 1,064.55 | 1,021.78 | 42.77 | 24.889 | |
| 8,303.81 | 7,158.26 | 7,182.15 | 7,181.39 | 28.48 | 15.59 | 92.65 | -2,529.08 | 1,192.10 | 1,064.55 | 1,021.71 | 42.84 | 24.850 CC, ES | |
| 8,400.00 | 7,158.15 | 7,180.51 | 7,179.76 | 29.58 | 15.59 | 92.56 | -2,529.15 | 1,192.13 | 1,068.88 | 1,024.34 | 44.55 | 23.995 | |
| 8,500.00 | 7,158.03 | 7,178.83 | 7,178.07 | 30.77 | 15.58 | 92.47 | -2,529.23 | 1,192.16 | 1,082.47 | 1,036.21 | 46.26 | 23.398 | |
| 8,600.00 | 7,157.91 | 7,177.16 | 7,176.41 | 32.02 | 15.58 | 92.38 | -2,529.31 | 1,192.19 | 1,104.97 | 1,057.12 | 47.85 | 23.090 | |
| 8,700.00 | 7,157.79 | 7,175.52 | 7,174.77 | 33.30 | 15.58 | 92.29 | -2,529.39 | 1,192.21 | 1,135.86 | 1,086.59 | 49.27 | 23.053 SF | |
| 8,800.00 | 7,157.67 | 7,173.90 | 7,173.15 | 34.62 | 15.57 | 92.20 | -2,529.46 | 1,192.24 | 1,174.47 | 1,123.98 | 50.50 | 23.259 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - HSR-MILLARD 9-29 - Noble SI Well - No Survey | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 9,100.00 | 7,157.32 | 7,132.32 | 7,132.32 | 38.75 | 250.96 | 90.04 | -2,464.68 | 2,565.99 | 1,150.79 | 868.47 | 282.33 | 4.076 | |
| 9,200.00 | 7,157.20 | 7,132.20 | 7,132.20 | 40.17 | 250.96 | 90.03 | -2,464.68 | 2,565.99 | 1,104.00 | 819.14 | 284.86 | 3.876 | |
| 9,300.00 | 7,157.08 | 7,132.08 | 7,132.08 | 41.61 | 250.96 | 90.03 | -2,464.68 | 2,565.99 | 1,064.56 | 776.97 | 287.59 | 3.702 | |
| 9,400.00 | 7,156.96 | 7,131.96 | 7,131.96 | 43.07 | 250.95 | 90.02 | -2,464.68 | 2,565.99 | 1,033.33 | 742.91 | 290.43 | 3.558 | |
| 9,500.00 | 7,156.84 | 7,131.84 | 7,131.84 | 44.55 | 250.95 | 90.01 | -2,464.68 | 2,565.99 | 1,011.07 | 717.82 | 293.25 | 3.448 | |
| 9,600.00 | 7,156.72 | 7,131.72 | 7,131.72 | 46.03 | 250.94 | 90.01 | -2,464.68 | 2,565.99 | 998.37 | 702.44 | 295.93 | 3.374 | |
| 9,677.58 | 7,156.63 | 7,131.63 | 7,131.63 | 47.20 | 250.94 | 90.00 | -2,464.68 | 2,565.99 | 995.35 | 697.51 | 297.84 | 3.342 CC | |
| 9,700.00 | 7,156.60 | 7,131.60 | 7,131.60 | 47.53 | 250.94 | 90.00 | -2,464.68 | 2,565.99 | 995.61 | 697.25 | 298.36 | 3.337 ES, SF | |
| 9,800.00 | 7,156.48 | 7,131.48 | 7,131.48 | 49.04 | 250.94 | 89.99 | -2,464.68 | 2,565.99 | 1,002.85 | 702.43 | 300.42 | 3.338 | |
| 9,900.00 | 7,156.37 | 7,131.37 | 7,131.37 | 50.57 | 250.93 | 89.98 | -2,464.68 | 2,565.99 | 1,019.90 | 717.83 | 302.07 | 3.376 | |
| 10,000.00 | 7,156.25 | 7,131.25 | 7,131.25 | 52.10 | 250.93 | 89.98 | -2,464.68 | 2,565.99 | 1,046.27 | 742.98 | 303.29 | 3.450 | |
| 10,100.00 | 7,156.13 | 7,131.13 | 7,131.13 | 53.64 | 250.92 | 89.97 | -2,464.68 | 2,565.99 | 1,081.28 | 777.18 | 304.10 | 3.556 | |
| 10,200.00 | 7,156.01 | 7,131.01 | 7,131.01 | 55.18 | 250.92 | 89.96 | -2,464.68 | 2,565.99 | 1,124.12 | 819.57 | 304.55 | 3.691 | |
| 10,300.00 | 7,155.89 | 7,130.89 | 7,130.89 | 56.74 | 250.91 | 89.96 | -2,464.68 | 2,565.99 | 1,173.94 | 869.24 | 304.70 | 3.853 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 2.00 | -2.00 | 3.28 | 3.28 | -86.71 | 1.46 | -25.35 | 25.40 | | | | |
| 100.00 | 100.00 | 102.00 | 98.00 | 3.28 | 3.76 | -86.71 | 1.46 | -25.35 | 25.40 | 17.56 | 7.84 | 3.241 | |
| 200.00 | 200.00 | 202.00 | 198.00 | 3.31 | 6.31 | -86.71 | 1.46 | -25.35 | 25.40 | 14.99 | 10.40 | 2.441 CC | |
| 200.20 | 200.20 | 201.80 | 198.20 | 3.31 | 6.30 | -86.71 | 1.46 | -25.35 | 25.40 | 15.00 | 10.40 | 2.443 | |
| 300.00 | 299.98 | 302.02 | 297.98 | 3.34 | 9.51 | 94.37 | 1.46 | -25.35 | 25.47 | 11.82 | 13.65 | 1.866 | |
| 400.00 | 399.84 | 402.16 | 397.84 | 3.40 | 12.90 | 105.74 | 1.46 | -25.35 | 26.39 | 9.29 | 17.09 | 1.544 ES | |
| 500.00 | 499.45 | 502.55 | 497.45 | 3.49 | 16.37 | 121.89 | 1.46 | -25.35 | 29.96 | 9.31 | 20.64 | 1.451 Level 3, SF | |
| 600.00 | 598.70 | 603.30 | 596.70 | 3.60 | 19.88 | 137.59 | 1.46 | -25.35 | 37.86 | 13.59 | 24.27 | 1.560 | |
| 700.00 | 697.47 | 704.53 | 695.47 | 3.75 | 23.42 | 149.47 | 1.46 | -25.35 | 50.56 | 22.61 | 27.95 | 1.809 | |
| 800.00 | 795.62 | 806.38 | 793.62 | 3.95 | 27.00 | 157.54 | 1.46 | -25.35 | 67.74 | 36.05 | 31.69 | 2.137 | |
| 900.00 | 893.30 | 908.70 | 891.30 | 4.18 | 30.60 | 162.84 | 1.46 | -25.35 | 87.97 | 52.50 | 35.47 | 2.480 | |
| 1,000.00 | 990.96 | 988.96 | 988.96 | 4.45 | 33.43 | 166.18 | 1.46 | -25.35 | 108.74 | 70.26 | 38.48 | 2.826 | |
| 1,100.00 | 1,088.62 | 1,086.62 | 1,086.62 | 4.74 | 36.88 | 168.45 | 1.46 | -25.35 | 129.75 | 87.62 | 42.13 | 3.080 | |
| 1,200.00 | 1,186.28 | 1,184.28 | 1,184.28 | 5.05 | 40.32 | 170.08 | 1.46 | -25.35 | 150.90 | 105.11 | 45.79 | 3.295 | |
| 1,300.00 | 1,283.94 | 1,281.94 | 1,281.94 | 5.38 | 43.77 | 171.32 | 1.46 | -25.35 | 172.14 | 122.67 | 49.47 | 3.480 | |
| 1,400.00 | 1,381.60 | 1,379.60 | 1,379.60 | 5.73 | 47.22 | 172.28 | 1.46 | -25.35 | 193.44 | 140.28 | 53.16 | 3.639 | |
| 1,500.00 | 1,479.26 | 1,477.26 | 1,477.26 | 6.08 | 50.68 | 173.05 | 1.46 | -25.35 | 214.78 | 157.92 | 56.86 | 3.777 | |
| 1,600.00 | 1,576.92 | 1,574.92 | 1,574.92 | 6.45 | 54.13 | 173.68 | 1.46 | -25.35 | 236.15 | 175.58 | 60.57 | 3.899 | |
| 1,700.00 | 1,674.58 | 1,672.58 | 1,672.58 | 6.82 | 57.59 | 174.21 | 1.46 | -25.35 | 257.55 | 193.26 | 64.29 | 4.006 | |
| 1,800.00 | 1,772.24 | 1,770.24 | 1,770.24 | 7.21 | 61.04 | 174.65 | 1.46 | -25.35 | 278.96 | 210.95 | 68.01 | 4.102 | |
| 1,900.00 | 1,869.90 | 1,867.90 | 1,867.90 | 7.42 | 64.50 | 175.03 | 1.46 | -25.35 | 300.38 | 228.97 | 71.41 | 4.207 | |
| 2,000.00 | 1,967.56 | 1,965.56 | 1,965.56 | 7.47 | 67.95 | 175.37 | 1.46 | -25.35 | 321.82 | 246.93 | 74.88 | 4.298 | |
| 2,100.00 | 2,065.22 | 2,063.22 | 2,063.22 | 7.54 | 71.41 | 175.66 | 1.46 | -25.35 | 343.26 | 264.89 | 78.37 | 4.380 | |
| 2,200.00 | 2,162.88 | 2,160.88 | 2,160.88 | 7.63 | 74.87 | 175.91 | 1.46 | -25.35 | 364.71 | 282.83 | 81.88 | 4.454 | |
| 2,300.00 | 2,260.54 | 2,258.54 | 2,258.54 | 7.74 | 78.32 | 176.14 | 1.46 | -25.35 | 386.17 | 300.76 | 85.41 | 4.521 | |
| 2,400.00 | 2,358.20 | 2,356.20 | 2,356.20 | 7.87 | 81.78 | 176.34 | 1.46 | -25.35 | 407.64 | 318.68 | 88.95 | 4.583 | |
| 2,500.00 | 2,455.85 | 2,453.85 | 2,453.85 | 8.01 | 85.24 | 176.53 | 1.46 | -25.35 | 429.10 | 336.60 | 92.51 | 4.639 | |
| 2,600.00 | 2,553.51 | 2,551.51 | 2,551.51 | 8.17 | 88.70 | 176.69 | 1.46 | -25.35 | 450.58 | 354.50 | 96.08 | 4.690 | |
| 2,700.00 | 2,651.17 | 2,649.17 | 2,649.17 | 8.34 | 92.15 | 176.84 | 1.46 | -25.35 | 472.05 | 372.39 | 99.66 | 4.736 | |
| 2,800.00 | 2,748.83 | 2,746.83 | 2,746.83 | 8.52 | 95.61 | 176.98 | 1.46 | -25.35 | 493.53 | 390.27 | 103.26 | 4.779 | |
| 2,900.00 | 2,846.49 | 2,844.49 | 2,844.49 | 8.72 | 99.07 | 177.11 | 1.46 | -25.35 | 515.01 | 408.14 | 106.87 | 4.819 | |
| 3,000.00 | 2,944.15 | 2,942.15 | 2,942.15 | 8.93 | 102.53 | 177.22 | 1.46 | -25.35 | 536.49 | 426.00 | 110.50 | 4.855 | |
| 3,100.00 | 3,041.81 | 3,039.81 | 3,039.81 | 9.16 | 105.99 | 177.33 | 1.46 | -25.35 | 557.98 | 443.85 | 114.13 | 4.889 | |
| 3,200.00 | 3,139.47 | 3,137.47 | 3,137.47 | 9.39 | 109.45 | 177.43 | 1.46 | -25.35 | 579.46 | 461.69 | 117.77 | 4.920 | |
| 3,300.00 | 3,237.13 | 3,235.13 | 3,235.13 | 9.63 | 112.90 | 177.52 | 1.46 | -25.35 | 600.95 | 479.53 | 121.42 | 4.949 | |
| 3,400.00 | 3,334.79 | 3,332.79 | 3,332.79 | 9.88 | 116.36 | 177.61 | 1.46 | -25.35 | 622.44 | 497.35 | 125.08 | 4.976 | |
| 3,500.00 | 3,432.45 | 3,430.45 | 3,430.45 | 10.14 | 119.82 | 177.69 | 1.46 | -25.35 | 643.93 | 515.17 | 128.75 | 5.001 | |
| 3,600.00 | 3,530.11 | 3,528.11 | 3,528.11 | 10.41 | 123.28 | 177.76 | 1.46 | -25.35 | 665.42 | 532.99 | 132.43 | 5.025 | |
| 3,700.00 | 3,627.77 | 3,625.77 | 3,625.77 | 10.68 | 126.74 | 177.83 | 1.46 | -25.35 | 686.91 | 550.80 | 136.11 | 5.047 | |
| 3,800.00 | 3,725.43 | 3,723.43 | 3,723.43 | 10.96 | 130.20 | 177.90 | 1.46 | -25.35 | 708.41 | 568.60 | 139.80 | 5.067 | |
| 3,900.00 | 3,823.09 | 3,821.09 | 3,821.09 | 11.25 | 133.66 | 177.96 | 1.46 | -25.35 | 729.90 | 586.40 | 143.50 | 5.086 | |
| 4,000.00 | 3,920.75 | 3,918.75 | 3,918.75 | 11.54 | 137.12 | 178.02 | 1.46 | -25.35 | 751.40 | 604.19 | 147.20 | 5.105 | |
| 4,100.00 | 4,018.41 | 4,016.41 | 4,016.41 | 11.84 | 140.58 | 178.07 | 1.46 | -25.35 | 772.89 | 621.98 | 150.91 | 5.122 | |
| 4,200.00 | 4,116.07 | 4,114.07 | 4,114.07 | 12.14 | 144.04 | 178.12 | 1.46 | -25.35 | 794.39 | 639.77 | 154.62 | 5.138 | |
| 4,300.00 | 4,213.73 | 4,211.73 | 4,211.73 | 12.45 | 147.50 | 178.17 | 1.46 | -25.35 | 815.88 | 657.55 | 158.34 | 5.153 | |
| 4,400.00 | 4,311.39 | 4,309.39 | 4,309.39 | 12.76 | 150.96 | 178.22 | 1.46 | -25.35 | 837.38 | 675.33 | 162.06 | 5.167 | |
| 4,500.00 | 4,409.05 | 4,407.05 | 4,407.05 | 13.08 | 154.42 | 178.27 | 1.46 | -25.35 | 858.88 | 693.10 | 165.78 | 5.181 | |
| 4,600.00 | 4,506.71 | 4,504.71 | 4,504.71 | 13.40 | 157.88 | 178.31 | 1.46 | -25.35 | 880.38 | 710.87 | 169.51 | 5.194 | |
| 4,700.00 | 4,604.37 | 4,602.37 | 4,602.37 | 13.72 | 161.33 | 178.35 | 1.46 | -25.35 | 901.88 | 728.64 | 173.24 | 5.206 | |
| 4,800.00 | 4,702.03 | 4,700.03 | 4,700.03 | 14.04 | 164.79 | 178.39 | 1.46 | -25.35 | 923.38 | 746.41 | 176.97 | 5.218 | |
| 4,900.00 | 4,799.69 | 4,802.31 | 4,797.69 | 14.37 | 168.42 | 178.42 | 1.46 | -25.35 | 944.88 | 764.01 | 180.87 | 5.224 | |
| 5,000.00 | 4,897.35 | 4,904.65 | 4,895.35 | 14.70 | 172.04 | 178.46 | 1.46 | -25.35 | 966.38 | 781.60 | 184.78 | 5.230 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 5,100.00 | 4,995.01 | 5,006.99 | 4,993.01 | 15.03 | 175.67 | 178.49 | 1.46 | -25.35 | 987.88 | 799.19 | 188.68 | 5.236 | |
| 5,200.00 | 5,092.67 | 5,109.33 | 5,090.67 | 15.37 | 179.29 | 178.52 | 1.46 | -25.35 | 1,009.38 | 816.78 | 192.59 | 5.241 | |
| 5,300.00 | 5,190.33 | 5,188.33 | 5,188.33 | 15.71 | 182.09 | 178.55 | 1.46 | -25.35 | 1,030.88 | 835.20 | 195.68 | 5.268 | |
| 5,400.00 | 5,287.99 | 5,285.99 | 5,285.99 | 16.05 | 185.55 | 178.58 | 1.46 | -25.35 | 1,052.38 | 852.95 | 199.43 | 5.277 | |
| 5,500.00 | 5,385.65 | 5,383.65 | 5,383.65 | 16.39 | 189.01 | 178.61 | 1.46 | -25.35 | 1,073.88 | 870.70 | 203.18 | 5.285 | |
| 5,600.00 | 5,483.31 | 5,481.31 | 5,481.31 | 16.73 | 192.47 | 178.64 | 1.46 | -25.35 | 1,095.38 | 888.45 | 206.93 | 5.294 | |
| 5,700.00 | 5,580.97 | 5,578.97 | 5,578.97 | 17.08 | 195.93 | 178.67 | 1.46 | -25.35 | 1,116.88 | 906.20 | 210.68 | 5.301 | |
| 5,800.00 | 5,678.63 | 5,676.63 | 5,676.63 | 17.42 | 199.39 | 178.69 | 1.46 | -25.35 | 1,138.39 | 923.95 | 214.44 | 5.309 | |
| 5,900.00 | 5,776.29 | 5,774.29 | 5,774.29 | 17.77 | 202.85 | 178.72 | 1.46 | -25.35 | 1,159.89 | 941.69 | 218.19 | 5.316 | |
| 6,000.00 | 5,873.95 | 5,871.95 | 5,871.95 | 18.12 | 206.31 | 178.74 | 1.46 | -25.35 | 1,181.39 | 959.44 | 221.95 | 5.323 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 8.00 | -8.00 | 3.28 | 3.28 | -179.51 | -1,004.00 | -8.64 | 1,004.03 | | | | |
| 100.00 | 100.00 | 108.00 | 92.00 | 3.28 | 3.87 | -179.51 | -1,004.00 | -8.64 | 1,004.03 | 996.09 | 7.94 | 126.374 | |
| 200.00 | 200.00 | 208.00 | 192.00 | 3.31 | 6.49 | -179.51 | -1,004.00 | -8.64 | 1,004.03 | 993.45 | 10.59 | 94.852 | |
| 300.00 | 299.98 | 308.02 | 291.98 | 3.34 | 9.71 | -2.36 | -1,004.00 | -8.64 | 1,002.29 | 988.44 | 13.85 | 72.370 | |
| 400.00 | 399.84 | 408.16 | 391.84 | 3.40 | 13.11 | -2.38 | -1,004.00 | -8.64 | 997.06 | 979.76 | 17.30 | 57.620 | |
| 500.00 | 499.45 | 508.55 | 491.45 | 3.49 | 16.58 | -2.41 | -1,004.00 | -8.64 | 988.35 | 967.50 | 20.86 | 47.389 | |
| 600.00 | 598.70 | 609.30 | 590.70 | 3.60 | 20.09 | -2.45 | -1,004.00 | -8.64 | 976.18 | 951.70 | 24.48 | 39.881 | |
| 700.00 | 697.47 | 689.47 | 689.47 | 3.75 | 22.89 | -2.50 | -1,004.00 | -8.64 | 960.55 | 933.13 | 27.42 | 35.034 | |
| 800.00 | 795.62 | 787.62 | 787.62 | 3.95 | 26.34 | -2.57 | -1,004.00 | -8.64 | 941.49 | 910.47 | 31.02 | 30.348 | |
| 900.00 | 893.30 | 885.30 | 885.30 | 4.18 | 29.78 | -2.63 | -1,004.00 | -8.64 | 920.08 | 885.44 | 34.64 | 26.564 | |
| 1,000.00 | 990.96 | 982.96 | 982.96 | 4.45 | 33.22 | -2.70 | -1,004.00 | -8.64 | 898.59 | 860.33 | 38.26 | 23.485 | |
| 1,100.00 | 1,088.62 | 1,080.62 | 1,080.62 | 4.74 | 36.66 | -2.76 | -1,004.00 | -8.64 | 877.11 | 835.20 | 41.91 | 20.929 | |
| 1,200.00 | 1,186.28 | 1,178.28 | 1,178.28 | 5.05 | 40.11 | -2.83 | -1,004.00 | -8.64 | 855.62 | 810.05 | 45.57 | 18.776 | |
| 1,300.00 | 1,283.94 | 1,275.94 | 1,275.94 | 5.38 | 43.56 | -2.91 | -1,004.00 | -8.64 | 834.14 | 784.89 | 49.25 | 16.937 | |
| 1,400.00 | 1,381.60 | 1,373.60 | 1,373.60 | 5.73 | 47.01 | -2.98 | -1,004.00 | -8.64 | 812.66 | 759.72 | 52.94 | 15.351 | |
| 1,500.00 | 1,479.26 | 1,471.26 | 1,471.26 | 6.08 | 50.47 | -3.06 | -1,004.00 | -8.64 | 791.18 | 734.54 | 56.64 | 13.969 | |
| 1,600.00 | 1,576.92 | 1,568.92 | 1,568.92 | 6.45 | 53.92 | -3.15 | -1,004.00 | -8.64 | 769.70 | 709.36 | 60.35 | 12.754 | |
| 1,700.00 | 1,674.58 | 1,666.58 | 1,666.58 | 6.82 | 57.37 | -3.24 | -1,004.00 | -8.64 | 748.23 | 684.16 | 64.07 | 11.679 | |
| 1,800.00 | 1,772.24 | 1,764.24 | 1,764.24 | 7.21 | 60.83 | -3.34 | -1,004.00 | -8.64 | 726.75 | 658.96 | 67.79 | 10.721 | |
| 1,900.00 | 1,869.90 | 1,861.90 | 1,861.90 | 7.42 | 64.28 | -3.44 | -1,004.00 | -8.64 | 705.28 | 634.09 | 71.19 | 9.907 | |
| 2,000.00 | 1,967.56 | 1,959.56 | 1,959.56 | 7.47 | 67.74 | -3.54 | -1,004.00 | -8.64 | 683.81 | 609.15 | 74.67 | 9.158 | |
| 2,100.00 | 2,065.22 | 2,057.22 | 2,057.22 | 7.54 | 71.20 | -3.66 | -1,004.00 | -8.64 | 662.35 | 584.19 | 78.16 | 8.474 | |
| 2,200.00 | 2,162.88 | 2,154.88 | 2,154.88 | 7.63 | 74.65 | -3.78 | -1,004.00 | -8.64 | 640.88 | 559.21 | 81.67 | 7.847 | |
| 2,300.00 | 2,260.54 | 2,252.54 | 2,252.54 | 7.74 | 78.11 | -3.91 | -1,004.00 | -8.64 | 619.42 | 534.22 | 85.20 | 7.270 | |
| 2,400.00 | 2,358.20 | 2,350.20 | 2,350.20 | 7.87 | 81.57 | -4.05 | -1,004.00 | -8.64 | 597.96 | 509.22 | 88.74 | 6.738 | |
| 2,500.00 | 2,455.85 | 2,447.85 | 2,447.85 | 8.01 | 85.03 | -4.21 | -1,004.00 | -8.64 | 576.51 | 484.21 | 92.30 | 6.246 | |
| 2,600.00 | 2,553.51 | 2,545.51 | 2,545.51 | 8.17 | 88.48 | -4.37 | -1,004.00 | -8.64 | 555.06 | 459.19 | 95.87 | 5.790 | |
| 2,700.00 | 2,651.17 | 2,643.17 | 2,643.17 | 8.34 | 91.94 | -4.54 | -1,004.00 | -8.64 | 533.61 | 434.16 | 99.46 | 5.365 | |
| 2,800.00 | 2,748.83 | 2,740.83 | 2,740.83 | 8.52 | 95.40 | -4.73 | -1,004.00 | -8.64 | 512.17 | 409.12 | 103.06 | 4.970 | |
| 2,900.00 | 2,846.49 | 2,838.49 | 2,838.49 | 8.72 | 98.86 | -4.94 | -1,004.00 | -8.64 | 490.74 | 384.07 | 106.67 | 4.601 | |
| 3,000.00 | 2,944.15 | 2,936.15 | 2,936.15 | 8.93 | 102.32 | -5.17 | -1,004.00 | -8.64 | 469.31 | 359.02 | 110.29 | 4.255 | |
| 3,100.00 | 3,041.81 | 3,033.81 | 3,033.81 | 9.16 | 105.77 | -5.42 | -1,004.00 | -8.64 | 447.89 | 333.96 | 113.93 | 3.931 | |
| 3,200.00 | 3,139.47 | 3,131.47 | 3,131.47 | 9.39 | 109.23 | -5.69 | -1,004.00 | -8.64 | 426.48 | 308.90 | 117.57 | 3.627 | |
| 3,300.00 | 3,237.13 | 3,229.13 | 3,229.13 | 9.63 | 112.69 | -5.99 | -1,004.00 | -8.64 | 405.08 | 283.85 | 121.23 | 3.341 | |
| 3,400.00 | 3,334.79 | 3,326.79 | 3,326.79 | 9.88 | 116.15 | -6.33 | -1,004.00 | -8.64 | 383.69 | 258.79 | 124.89 | 3.072 | |
| 3,500.00 | 3,432.45 | 3,424.45 | 3,424.45 | 10.14 | 119.61 | -6.70 | -1,004.00 | -8.64 | 362.31 | 233.75 | 128.57 | 2.818 | |
| 3,600.00 | 3,530.11 | 3,522.11 | 3,522.11 | 10.41 | 123.07 | -7.12 | -1,004.00 | -8.64 | 340.95 | 208.71 | 132.25 | 2.578 | |
| 3,700.00 | 3,627.77 | 3,619.77 | 3,619.77 | 10.68 | 126.53 | -7.60 | -1,004.00 | -8.64 | 319.61 | 183.68 | 135.94 | 2.351 | |
| 3,800.00 | 3,725.43 | 3,717.43 | 3,717.43 | 10.96 | 129.99 | -8.15 | -1,004.00 | -8.64 | 298.30 | 158.67 | 139.63 | 2.136 | |
| 3,900.00 | 3,823.09 | 3,815.09 | 3,815.09 | 11.25 | 133.45 | -8.78 | -1,004.00 | -8.64 | 277.02 | 133.68 | 143.34 | 1.933 | |
| 4,000.00 | 3,920.75 | 3,912.75 | 3,912.75 | 11.54 | 136.91 | -9.51 | -1,004.00 | -8.64 | 255.77 | 108.72 | 147.05 | 1.739 | |
| 4,100.00 | 4,018.41 | 4,010.41 | 4,010.41 | 11.84 | 140.37 | -10.38 | -1,004.00 | -8.64 | 234.57 | 83.80 | 150.77 | 1.556 | |
| 4,200.00 | 4,116.07 | 4,108.07 | 4,108.07 | 12.14 | 143.82 | -11.42 | -1,004.00 | -8.64 | 213.43 | 58.93 | 154.50 | 1.381 Level 3 | |
| 4,300.00 | 4,213.73 | 4,205.73 | 4,205.73 | 12.45 | 147.28 | -12.68 | -1,004.00 | -8.64 | 192.37 | 34.13 | 158.24 | 1.216 Level 2 | |
| 4,400.00 | 4,311.39 | 4,303.39 | 4,303.39 | 12.76 | 150.74 | -14.26 | -1,004.00 | -8.64 | 171.43 | 9.44 | 161.99 | 1.058 Level 2 | |
| 4,500.00 | 4,409.05 | 4,401.05 | 4,401.05 | 13.08 | 154.20 | -16.27 | -1,004.00 | -8.64 | 150.64 | -15.12 | 165.76 | 0.909 Level 1 | |
| 4,600.00 | 4,506.71 | 4,501.29 | 4,498.71 | 13.40 | 157.75 | -18.92 | -1,004.00 | -8.64 | 130.09 | -39.56 | 169.65 | 0.767 Level 1 | |
| 4,700.00 | 4,604.37 | 4,603.63 | 4,596.37 | 13.72 | 161.38 | -22.54 | -1,004.00 | -8.64 | 109.91 | -63.75 | 173.66 | 0.633 Level 1 | |
| 4,800.00 | 4,702.03 | 4,705.97 | 4,694.03 | 14.04 | 165.00 | -27.75 | -1,004.00 | -8.64 | 90.34 | -87.41 | 177.75 | 0.508 Level 1 | |
| 4,900.00 | 4,799.69 | 4,808.31 | 4,791.69 | 14.37 | 168.63 | -35.70 | -1,004.00 | -8.64 | 71.89 | -110.09 | 181.98 | 0.395 Level 1 | |
| 5,000.00 | 4,897.35 | 4,889.35 | 4,889.35 | 14.70 | 171.50 | -48.55 | -1,004.00 | -8.64 | 55.67 | -130.05 | 185.72 | 0.300 Level 1 | |
| 5,100.00 | 4,995.01 | 4,987.01 | 4,987.01 | 15.03 | 174.96 | -69.48 | -1,004.00 | -8.64 | 44.22 | -146.06 | 190.28 | 0.232 Level 1 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 29-6H6 - Noble SI Well - No Surv | | | | | | | | | | Offset Site Error: | 0.00 usft |
|------------------------|-----------------------|--|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------------|
| Survey Program: | | 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 5,173.61 | 5,066.89 | 5,058.89 | 5,058.89 | 15.28 | 177.51 | -90.00 | -1,004.00 | -8.64 | 41.29 | -152.08 | 193.37 | 0.214 | Level 1, CC, SF |
| 5,200.00 | 5,092.67 | 5,084.67 | 5,084.67 | 15.37 | 178.42 | -97.65 | -1,004.00 | -8.64 | 41.68 | -152.64 | 194.32 | 0.215 | Level 1, ES |
| 5,300.00 | 5,190.33 | 5,182.33 | 5,182.33 | 15.71 | 181.88 | -122.74 | -1,004.00 | -8.64 | 49.44 | -147.94 | 197.38 | 0.250 | Level 1 |
| 5,400.00 | 5,287.99 | 5,279.99 | 5,279.99 | 16.05 | 185.34 | -139.03 | -1,004.00 | -8.64 | 63.85 | -136.56 | 200.40 | 0.319 | Level 1 |
| 5,500.00 | 5,385.65 | 5,377.65 | 5,377.65 | 16.39 | 188.80 | -148.94 | -1,004.00 | -8.64 | 81.45 | -122.27 | 203.71 | 0.400 | Level 1 |
| 5,600.00 | 5,483.31 | 5,475.31 | 5,475.31 | 16.73 | 192.26 | -155.25 | -1,004.00 | -8.64 | 100.58 | -106.64 | 207.21 | 0.485 | Level 1 |
| 5,700.00 | 5,580.97 | 5,572.97 | 5,572.97 | 17.08 | 195.72 | -159.52 | -1,004.00 | -8.64 | 120.51 | -90.31 | 210.82 | 0.572 | Level 1 |
| 5,800.00 | 5,678.63 | 5,670.63 | 5,670.63 | 17.42 | 199.18 | -162.58 | -1,004.00 | -8.64 | 140.91 | -73.57 | 214.48 | 0.657 | Level 1 |
| 5,900.00 | 5,776.29 | 5,768.29 | 5,768.29 | 17.77 | 202.64 | -164.86 | -1,004.00 | -8.64 | 161.60 | -56.58 | 218.18 | 0.741 | Level 1 |
| 6,000.00 | 5,873.95 | 5,865.95 | 5,865.95 | 18.12 | 206.10 | -166.62 | -1,004.00 | -8.64 | 182.47 | -39.42 | 221.89 | 0.822 | Level 1 |
| 6,100.00 | 5,971.61 | 5,963.61 | 5,963.61 | 18.47 | 209.56 | -168.02 | -1,004.00 | -8.64 | 203.48 | -22.14 | 225.62 | 0.902 | Level 1 |
| 6,200.00 | 6,069.26 | 6,061.26 | 6,061.26 | 18.82 | 213.02 | -169.16 | -1,004.00 | -8.64 | 224.58 | -4.78 | 229.36 | 0.979 | Level 1 |
| 6,300.00 | 6,166.92 | 6,158.92 | 6,158.92 | 19.18 | 216.48 | -170.10 | -1,004.00 | -8.64 | 245.76 | 12.65 | 233.11 | 1.054 | Level 2 |
| 6,400.00 | 6,264.58 | 6,256.58 | 6,256.58 | 19.53 | 219.94 | -170.89 | -1,004.00 | -8.64 | 266.98 | 30.12 | 236.86 | 1.127 | Level 2 |
| 6,500.00 | 6,362.24 | 6,354.24 | 6,354.24 | 19.89 | 223.40 | -171.57 | -1,004.00 | -8.64 | 288.25 | 47.64 | 240.61 | 1.198 | Level 2 |
| 6,600.00 | 6,459.90 | 6,451.90 | 6,451.90 | 20.24 | 226.86 | -172.15 | -1,004.00 | -8.64 | 309.55 | 65.18 | 244.37 | 1.267 | Level 3 |
| 6,700.00 | 6,557.56 | 6,549.56 | 6,549.56 | 20.59 | 230.32 | -161.18 | -1,004.00 | -8.64 | 330.78 | 82.66 | 248.12 | 1.333 | Level 3 |
| 6,800.00 | 6,654.52 | 6,646.52 | 6,646.52 | 20.88 | 233.75 | -129.65 | -1,004.00 | -8.64 | 350.23 | 98.43 | 251.80 | 1.391 | Level 3 |
| 6,900.00 | 6,748.60 | 6,740.60 | 6,740.60 | 21.16 | 237.09 | -115.89 | -1,004.00 | -8.64 | 368.49 | 113.13 | 255.35 | 1.443 | Level 3 |
| 7,000.00 | 6,837.47 | 6,829.47 | 6,829.47 | 21.44 | 240.24 | -111.43 | -1,004.00 | -8.64 | 388.24 | 129.49 | 258.76 | 1.500 | |
| 7,100.00 | 6,918.94 | 6,910.94 | 6,910.94 | 21.70 | 243.12 | -110.85 | -1,004.00 | -8.64 | 412.88 | 150.91 | 261.97 | 1.576 | |
| 7,200.00 | 6,991.02 | 6,983.02 | 6,983.02 | 21.95 | 245.68 | -111.37 | -1,004.00 | -8.64 | 445.62 | 180.69 | 264.94 | 1.682 | |
| 7,300.00 | 7,051.93 | 7,043.93 | 7,043.93 | 22.19 | 247.83 | -111.31 | -1,004.00 | -8.64 | 488.65 | 221.10 | 267.55 | 1.826 | |
| 7,400.00 | 7,100.16 | 7,107.84 | 7,092.16 | 22.43 | 250.10 | -109.56 | -1,004.00 | -8.64 | 542.59 | 272.33 | 270.26 | 2.008 | |
| 7,500.00 | 7,134.53 | 7,126.53 | 7,126.53 | 22.69 | 250.76 | -105.30 | -1,004.00 | -8.64 | 606.53 | 335.24 | 271.30 | 2.236 | |
| 7,600.00 | 7,154.20 | 7,146.20 | 7,146.20 | 23.01 | 251.46 | -97.98 | -1,004.00 | -8.64 | 678.48 | 406.21 | 272.27 | 2.492 | |
| 7,700.00 | 7,158.98 | 7,150.98 | 7,150.98 | 23.42 | 251.63 | -89.91 | -1,004.00 | -8.64 | 755.85 | 483.24 | 272.61 | 2.773 | |
| 7,800.00 | 7,158.86 | 7,150.86 | 7,150.86 | 23.96 | 251.62 | -89.90 | -1,004.00 | -8.64 | 837.55 | 564.83 | 272.73 | 3.071 | |
| 7,900.00 | 7,158.74 | 7,150.74 | 7,150.74 | 24.64 | 251.62 | -89.88 | -1,004.00 | -8.64 | 922.87 | 650.06 | 272.81 | 3.383 | |
| 8,000.00 | 7,158.62 | 7,150.62 | 7,150.62 | 25.44 | 251.61 | -89.87 | -1,004.00 | -8.64 | 1,010.87 | 738.00 | 272.87 | 3.705 | |
| 8,100.00 | 7,158.50 | 7,150.50 | 7,150.50 | 26.35 | 251.61 | -89.85 | -1,004.00 | -8.64 | 1,100.93 | 828.01 | 272.92 | 4.034 | |
| 8,200.00 | 7,158.38 | 7,150.38 | 7,150.38 | 27.36 | 251.60 | -89.84 | -1,004.00 | -8.64 | 1,192.58 | 919.61 | 272.97 | 4.369 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL J 29-19 - Noble SI Well - Actual | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 100-SRC Energy_NS-GYRO-MS, 7350-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 13.00 | 13.00 | 3.28 | 3.28 | -119.33 | -468.11 | -833.07 | 955.58 | | | | |
| 100.00 | 100.00 | 106.33 | 106.33 | 3.28 | 3.29 | -119.33 | -468.32 | -833.46 | 956.05 | 948.70 | 7.36 | 129.911 | |
| 200.00 | 200.00 | 206.34 | 206.33 | 3.31 | 3.32 | -119.34 | -468.79 | -834.12 | 956.86 | 949.44 | 7.42 | 129.034 | |
| 300.00 | 299.98 | 305.23 | 305.22 | 3.34 | 3.38 | 57.89 | -469.46 | -834.74 | 956.81 | 949.29 | 7.52 | 127.279 | |
| 400.00 | 399.84 | 409.93 | 409.92 | 3.40 | 3.47 | 58.17 | -470.21 | -835.12 | 954.70 | 947.03 | 7.67 | 124.513 | |
| 500.00 | 499.45 | 507.22 | 507.20 | 3.49 | 3.58 | 58.64 | -471.03 | -835.32 | 950.71 | 942.85 | 7.86 | 120.969 | |
| 600.00 | 598.70 | 609.80 | 609.78 | 3.60 | 3.72 | 59.35 | -471.85 | -835.44 | 944.88 | 936.77 | 8.11 | 116.514 | |
| 700.00 | 697.47 | 706.67 | 706.65 | 3.75 | 3.87 | 60.23 | -472.70 | -835.48 | 937.38 | 928.98 | 8.40 | 111.534 | |
| 800.00 | 795.62 | 805.59 | 805.56 | 3.95 | 4.04 | 61.35 | -473.71 | -835.51 | 928.43 | 919.67 | 8.76 | 105.984 | |
| 900.00 | 893.30 | 905.99 | 905.96 | 4.18 | 4.22 | 62.52 | -474.65 | -835.38 | 918.46 | 909.29 | 9.17 | 100.193 | |
| 1,000.00 | 990.96 | 1,004.86 | 1,004.82 | 4.45 | 4.41 | 63.66 | -475.46 | -835.10 | 908.62 | 899.02 | 9.60 | 94.608 | |
| 1,100.00 | 1,088.62 | 1,103.24 | 1,103.20 | 4.74 | 4.60 | 64.82 | -476.18 | -834.77 | 899.07 | 889.00 | 10.07 | 89.242 | |
| 1,200.00 | 1,186.28 | 1,197.42 | 1,197.38 | 5.05 | 4.80 | 65.95 | -477.09 | -834.54 | 890.08 | 879.50 | 10.58 | 84.132 | |
| 1,300.00 | 1,283.94 | 1,292.72 | 1,292.66 | 5.38 | 5.03 | 67.10 | -478.23 | -834.57 | 881.81 | 870.68 | 11.13 | 79.243 | |
| 1,400.00 | 1,381.60 | 1,390.27 | 1,390.21 | 5.73 | 5.27 | 68.31 | -479.34 | -834.81 | 874.11 | 862.40 | 11.71 | 74.652 | |
| 1,500.00 | 1,479.26 | 1,489.64 | 1,489.58 | 6.08 | 5.53 | 69.56 | -480.49 | -834.98 | 866.76 | 854.44 | 12.32 | 70.373 | |
| 1,600.00 | 1,576.92 | 1,586.49 | 1,586.42 | 6.45 | 5.78 | 70.79 | -481.73 | -835.06 | 859.78 | 846.84 | 12.94 | 66.462 | |
| 1,700.00 | 1,674.58 | 1,683.93 | 1,683.85 | 6.82 | 6.05 | 72.04 | -483.03 | -835.23 | 853.33 | 839.76 | 13.57 | 62.863 | |
| 1,800.00 | 1,772.24 | 1,782.51 | 1,782.43 | 7.21 | 6.31 | 73.35 | -484.00 | -835.50 | 847.31 | 833.09 | 14.22 | 59.585 | |
| 1,900.00 | 1,869.90 | 1,879.49 | 1,879.40 | 7.42 | 6.56 | 74.69 | -484.40 | -835.87 | 841.74 | 827.26 | 14.48 | 58.137 | |
| 2,000.00 | 1,967.56 | 1,975.94 | 1,975.85 | 7.47 | 6.78 | 76.05 | -484.74 | -836.40 | 836.81 | 822.04 | 14.77 | 56.653 | |
| 2,100.00 | 2,065.22 | 2,072.32 | 2,072.22 | 7.54 | 7.00 | 77.43 | -484.99 | -837.10 | 832.54 | 817.47 | 15.07 | 55.260 | |
| 2,200.00 | 2,162.88 | 2,167.93 | 2,167.84 | 7.63 | 7.21 | 78.81 | -485.25 | -837.98 | 828.98 | 813.61 | 15.38 | 53.911 | |
| 2,300.00 | 2,260.54 | 2,265.43 | 2,265.33 | 7.74 | 7.42 | 80.23 | -485.53 | -839.07 | 826.15 | 810.44 | 15.71 | 52.601 | |
| 2,400.00 | 2,358.20 | 2,365.67 | 2,365.56 | 7.87 | 7.60 | 81.72 | -485.50 | -840.07 | 823.71 | 807.69 | 16.02 | 51.414 | |
| 2,500.00 | 2,455.85 | 2,465.49 | 2,465.37 | 8.01 | 7.73 | 83.23 | -485.10 | -840.76 | 821.49 | 805.19 | 16.30 | 50.389 | |
| 2,600.00 | 2,553.51 | 2,561.62 | 2,561.51 | 8.17 | 7.84 | 84.70 | -484.61 | -841.34 | 819.77 | 803.19 | 16.58 | 49.447 | |
| 2,700.00 | 2,651.17 | 2,657.40 | 2,657.27 | 8.34 | 7.97 | 86.19 | -483.93 | -842.20 | 818.92 | 802.04 | 16.88 | 48.502 | |
| 2,764.36 | 2,714.03 | 2,719.37 | 2,719.24 | 8.46 | 8.07 | 87.14 | -483.60 | -842.83 | 818.76 | 801.66 | 17.10 | 47.871 CC | |
| 2,800.00 | 2,748.83 | 2,753.34 | 2,753.21 | 8.52 | 8.13 | 87.66 | -483.43 | -843.21 | 818.82 | 801.58 | 17.23 | 47.518 ES | |
| 2,900.00 | 2,846.49 | 2,848.51 | 2,848.38 | 8.72 | 8.31 | 89.12 | -482.97 | -844.46 | 819.55 | 801.94 | 17.61 | 46.527 | |
| 3,000.00 | 2,944.15 | 2,944.46 | 2,944.31 | 8.93 | 8.52 | 90.58 | -482.61 | -845.99 | 821.15 | 803.11 | 18.03 | 45.540 | |
| 3,100.00 | 3,041.81 | 3,040.54 | 3,040.38 | 9.16 | 8.74 | 92.03 | -482.41 | -847.66 | 823.44 | 804.97 | 18.47 | 44.573 | |
| 3,200.00 | 3,139.47 | 3,136.84 | 3,136.66 | 9.39 | 8.97 | 93.47 | -482.15 | -849.58 | 826.55 | 807.62 | 18.94 | 43.651 | |
| 3,300.00 | 3,237.13 | 3,234.27 | 3,234.06 | 9.63 | 9.22 | 94.90 | -482.15 | -851.53 | 830.20 | 810.78 | 19.42 | 42.747 | |
| 3,400.00 | 3,334.79 | 3,331.95 | 3,331.72 | 9.88 | 9.49 | 96.29 | -482.54 | -853.74 | 834.56 | 814.63 | 19.93 | 41.868 | |
| 3,500.00 | 3,432.45 | 3,429.95 | 3,429.69 | 10.14 | 9.78 | 97.62 | -483.77 | -855.73 | 839.05 | 818.59 | 20.47 | 40.992 | |
| 3,600.00 | 3,530.11 | 3,518.58 | 3,518.27 | 10.41 | 10.04 | 98.79 | -485.04 | -858.41 | 844.92 | 823.93 | 20.98 | 40.268 | |
| 3,700.00 | 3,627.77 | 3,619.24 | 3,618.87 | 10.68 | 10.34 | 100.12 | -486.15 | -861.61 | 851.44 | 829.91 | 21.54 | 39.531 | |
| 3,800.00 | 3,725.43 | 3,719.08 | 3,718.67 | 10.96 | 10.63 | 101.43 | -487.03 | -864.52 | 858.23 | 836.13 | 22.10 | 38.840 | |
| 3,900.00 | 3,823.09 | 3,823.96 | 3,823.50 | 11.25 | 10.94 | 102.76 | -488.58 | -867.09 | 864.84 | 842.16 | 22.68 | 38.126 | |
| 4,000.00 | 3,920.75 | 3,925.93 | 3,925.44 | 11.54 | 11.26 | 104.02 | -490.42 | -869.03 | 871.27 | 848.00 | 23.27 | 37.443 | |
| 4,100.00 | 4,018.41 | 4,026.33 | 4,025.81 | 11.84 | 11.56 | 105.25 | -492.19 | -870.53 | 877.73 | 853.88 | 23.85 | 36.800 | |
| 4,200.00 | 4,116.07 | 4,127.14 | 4,126.60 | 12.14 | 11.87 | 106.49 | -493.83 | -871.81 | 884.41 | 859.98 | 24.43 | 36.197 | |
| 4,300.00 | 4,213.73 | 4,233.33 | 4,232.78 | 12.45 | 12.17 | 107.77 | -495.74 | -872.38 | 890.76 | 865.75 | 25.01 | 35.613 | |
| 4,400.00 | 4,311.39 | 4,334.02 | 4,333.44 | 12.76 | 12.43 | 108.98 | -497.77 | -872.25 | 896.82 | 871.26 | 25.55 | 35.096 | |
| 4,500.00 | 4,409.05 | 4,429.97 | 4,429.37 | 13.08 | 12.66 | 110.12 | -499.52 | -872.22 | 903.41 | 877.34 | 26.07 | 34.650 | |
| 4,600.00 | 4,506.71 | 4,526.05 | 4,525.44 | 13.40 | 12.87 | 111.29 | -500.52 | -871.87 | 910.42 | 883.85 | 26.57 | 34.269 | |
| 4,700.00 | 4,604.37 | 4,616.20 | 4,615.60 | 13.72 | 13.07 | 112.41 | -500.66 | -871.97 | 918.60 | 891.56 | 27.04 | 33.972 | |
| 4,800.00 | 4,702.03 | 4,722.09 | 4,721.48 | 14.04 | 13.34 | 113.67 | -501.53 | -872.24 | 927.05 | 899.45 | 27.60 | 33.593 | |
| 4,900.00 | 4,799.69 | 4,827.02 | 4,826.40 | 14.37 | 13.60 | 114.84 | -503.36 | -871.99 | 935.03 | 906.87 | 28.15 | 33.212 | |
| 5,000.00 | 4,897.35 | 4,926.55 | 4,925.91 | 14.70 | 13.83 | 115.94 | -505.32 | -871.32 | 942.87 | 914.20 | 28.67 | 32.887 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_NS-GYRO-MS, 7350-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 5,100.00 | 4,995.01 | 5,022.18 | 5,021.52 | 15.03 | 14.04 | 117.01 | -506.67 | -870.59 | 951.26 | 922.10 | 29.16 | 32.619 | |
| 5,200.00 | 5,092.67 | 5,121.42 | 5,120.74 | 15.37 | 14.26 | 118.09 | -508.31 | -869.85 | 959.90 | 930.22 | 29.67 | 32.350 | |
| 5,300.00 | 5,190.33 | 5,213.51 | 5,212.82 | 15.71 | 14.49 | 119.08 | -509.65 | -869.44 | 969.20 | 939.02 | 30.18 | 32.110 | |
| 5,400.00 | 5,287.99 | 5,308.04 | 5,307.35 | 16.05 | 14.72 | 120.09 | -510.46 | -869.18 | 979.31 | 948.60 | 30.70 | 31.896 | |
| 5,500.00 | 5,385.65 | 5,406.54 | 5,405.84 | 16.39 | 14.97 | 121.12 | -511.28 | -869.03 | 989.86 | 958.61 | 31.24 | 31.682 | |
| 5,600.00 | 5,483.31 | 5,503.41 | 5,502.71 | 16.73 | 15.26 | 122.09 | -512.45 | -869.18 | 1,000.74 | 968.93 | 31.82 | 31.455 | |
| 5,700.00 | 5,580.97 | 5,599.91 | 5,599.20 | 17.08 | 15.55 | 123.02 | -513.82 | -869.60 | 1,012.03 | 979.63 | 32.40 | 31.236 | |
| 5,800.00 | 5,678.63 | 5,694.07 | 5,693.34 | 17.42 | 15.84 | 123.88 | -515.29 | -870.42 | 1,023.84 | 990.85 | 32.98 | 31.043 | |
| 5,900.00 | 5,776.29 | 5,800.16 | 5,799.42 | 17.77 | 16.17 | 124.84 | -517.03 | -871.17 | 1,035.72 | 1,002.12 | 33.60 | 30.824 | |
| 6,000.00 | 5,873.95 | 5,899.66 | 5,898.91 | 18.12 | 16.43 | 125.75 | -518.32 | -870.97 | 1,047.37 | 1,013.22 | 34.15 | 30.667 | |
| 6,100.00 | 5,971.61 | 5,996.52 | 5,995.76 | 18.47 | 16.67 | 126.65 | -519.37 | -870.58 | 1,059.26 | 1,024.57 | 34.69 | 30.538 | |
| 6,200.00 | 6,069.26 | 6,099.20 | 6,098.44 | 18.82 | 16.92 | 127.57 | -520.55 | -869.99 | 1,071.24 | 1,036.02 | 35.23 | 30.411 | |
| 6,300.00 | 6,166.92 | 6,195.02 | 6,194.25 | 19.18 | 17.11 | 128.44 | -521.43 | -869.08 | 1,083.35 | 1,047.64 | 35.70 | 30.343 | |
| 6,400.00 | 6,264.58 | 6,294.00 | 6,293.22 | 19.53 | 17.30 | 129.32 | -522.27 | -868.13 | 1,095.76 | 1,059.57 | 36.19 | 30.280 | |
| 6,500.00 | 6,362.24 | 6,388.68 | 6,387.89 | 19.89 | 17.47 | 130.15 | -522.95 | -867.20 | 1,108.49 | 1,071.84 | 36.64 | 30.250 | |
| 6,600.00 | 6,459.90 | 6,488.66 | 6,487.86 | 20.24 | 17.64 | 131.01 | -523.44 | -866.12 | 1,121.55 | 1,084.45 | 37.10 | 30.233 SF | |
| 6,700.00 | 6,557.56 | 6,582.04 | 6,581.23 | 20.59 | 17.75 | 143.14 | -523.58 | -864.82 | 1,135.28 | 1,097.79 | 37.49 | 30.282 | |
| 6,800.00 | 6,654.52 | 6,677.34 | 6,676.52 | 20.88 | 17.85 | 177.19 | -523.17 | -863.41 | 1,157.52 | 1,119.70 | 37.83 | 30.600 | |
| 6,900.00 | 6,748.60 | 6,781.35 | 6,780.52 | 21.16 | 18.00 | -164.27 | -523.46 | -862.22 | 1,189.92 | 1,151.70 | 38.22 | 31.132 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - UPRC 29-7C - Noble T/A Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 3,500.00 | 3,432.45 | 3,423.45 | 3,423.45 | 10.14 | 119.57 | -69.94 | -1,116.90 | 1,066.85 | 1,196.89 | 1,066.79 | 130.11 | 9.199 | |
| 3,600.00 | 3,530.11 | 3,521.11 | 3,521.11 | 10.41 | 123.03 | -70.89 | -1,116.90 | 1,066.85 | 1,189.53 | 1,055.69 | 133.84 | 8.887 | |
| 3,700.00 | 3,627.77 | 3,618.77 | 3,618.77 | 10.68 | 126.49 | -71.85 | -1,116.90 | 1,066.85 | 1,182.51 | 1,044.92 | 137.59 | 8.594 | |
| 3,800.00 | 3,725.43 | 3,716.43 | 3,716.43 | 10.96 | 129.95 | -72.83 | -1,116.90 | 1,066.85 | 1,175.85 | 1,034.50 | 141.34 | 8.319 | |
| 3,900.00 | 3,823.09 | 3,814.09 | 3,814.09 | 11.25 | 133.41 | -73.81 | -1,116.90 | 1,066.85 | 1,169.54 | 1,024.43 | 145.10 | 8.060 | |
| 4,000.00 | 3,920.75 | 3,911.75 | 3,911.75 | 11.54 | 136.87 | -74.81 | -1,116.90 | 1,066.85 | 1,163.59 | 1,014.72 | 148.87 | 7.816 | |
| 4,100.00 | 4,018.41 | 4,009.41 | 4,009.41 | 11.84 | 140.33 | -75.81 | -1,116.90 | 1,066.85 | 1,158.02 | 1,005.38 | 152.64 | 7.587 | |
| 4,200.00 | 4,116.07 | 4,107.07 | 4,107.07 | 12.14 | 143.79 | -76.83 | -1,116.90 | 1,066.85 | 1,152.82 | 996.40 | 156.42 | 7.370 | |
| 4,300.00 | 4,213.73 | 4,204.73 | 4,204.73 | 12.45 | 147.25 | -77.85 | -1,116.90 | 1,066.85 | 1,147.99 | 987.80 | 160.20 | 7.166 | |
| 4,400.00 | 4,311.39 | 4,302.39 | 4,302.39 | 12.76 | 150.71 | -78.88 | -1,116.90 | 1,066.85 | 1,143.55 | 979.58 | 163.98 | 6.974 | |
| 4,500.00 | 4,409.05 | 4,400.05 | 4,400.05 | 13.08 | 154.17 | -79.91 | -1,116.90 | 1,066.85 | 1,139.51 | 971.74 | 167.77 | 6.792 | |
| 4,600.00 | 4,506.71 | 4,502.29 | 4,497.71 | 13.40 | 157.79 | -80.96 | -1,116.90 | 1,066.85 | 1,135.85 | 964.13 | 171.72 | 6.615 | |
| 4,700.00 | 4,604.37 | 4,604.63 | 4,595.37 | 13.72 | 161.41 | -82.01 | -1,116.90 | 1,066.85 | 1,132.59 | 956.91 | 175.68 | 6.447 | |
| 4,800.00 | 4,702.03 | 4,706.97 | 4,693.03 | 14.04 | 165.04 | -83.06 | -1,116.90 | 1,066.85 | 1,129.73 | 950.09 | 179.64 | 6.289 | |
| 4,900.00 | 4,799.69 | 4,809.31 | 4,790.69 | 14.37 | 168.67 | -84.12 | -1,116.90 | 1,066.85 | 1,127.27 | 943.68 | 183.60 | 6.140 | |
| 5,000.00 | 4,897.35 | 4,888.35 | 4,888.35 | 14.70 | 171.47 | -85.19 | -1,116.90 | 1,066.85 | 1,125.22 | 938.49 | 186.74 | 6.026 | |
| 5,100.00 | 4,995.01 | 4,986.01 | 4,986.01 | 15.03 | 174.93 | -86.26 | -1,116.90 | 1,066.85 | 1,123.58 | 933.05 | 190.53 | 5.897 | |
| 5,200.00 | 5,092.67 | 5,083.67 | 5,083.67 | 15.37 | 178.39 | -87.33 | -1,116.90 | 1,066.85 | 1,122.35 | 928.01 | 194.33 | 5.775 | |
| 5,300.00 | 5,190.33 | 5,181.33 | 5,181.33 | 15.71 | 181.84 | -88.40 | -1,116.90 | 1,066.85 | 1,121.53 | 923.39 | 198.13 | 5.660 | |
| 5,400.00 | 5,287.99 | 5,278.99 | 5,278.99 | 16.05 | 185.30 | -89.47 | -1,116.90 | 1,066.85 | 1,121.12 | 919.18 | 201.93 | 5.552 | |
| 5,449.29 | 5,336.12 | 5,327.12 | 5,327.12 | 16.21 | 187.01 | -90.00 | -1,116.90 | 1,066.85 | 1,121.07 | 917.26 | 203.81 | 5.501 | |
| 5,500.00 | 5,385.65 | 5,376.65 | 5,376.65 | 16.39 | 188.76 | -90.54 | -1,116.90 | 1,066.85 | 1,121.12 | 915.38 | 205.73 | 5.449 | |
| 5,600.00 | 5,483.31 | 5,474.31 | 5,474.31 | 16.73 | 192.22 | -91.62 | -1,116.90 | 1,066.85 | 1,121.53 | 912.00 | 209.53 | 5.353 | |
| 5,700.00 | 5,580.97 | 5,571.97 | 5,571.97 | 17.08 | 195.68 | -92.69 | -1,116.90 | 1,066.85 | 1,122.36 | 909.03 | 213.33 | 5.261 | |
| 5,800.00 | 5,678.63 | 5,669.63 | 5,669.63 | 17.42 | 199.14 | -93.76 | -1,116.90 | 1,066.85 | 1,123.60 | 906.47 | 217.13 | 5.175 | |
| 5,900.00 | 5,776.29 | 5,767.29 | 5,767.29 | 17.77 | 202.60 | -94.83 | -1,116.90 | 1,066.85 | 1,125.25 | 904.32 | 220.93 | 5.093 | |
| 6,000.00 | 5,873.95 | 5,864.95 | 5,864.95 | 18.12 | 206.06 | -95.89 | -1,116.90 | 1,066.85 | 1,127.31 | 902.57 | 224.73 | 5.016 | |
| 6,100.00 | 5,971.61 | 5,962.61 | 5,962.61 | 18.47 | 209.52 | -96.95 | -1,116.90 | 1,066.85 | 1,129.77 | 901.24 | 228.53 | 4.944 | |
| 6,200.00 | 6,069.26 | 6,060.26 | 6,060.26 | 18.82 | 212.98 | -98.01 | -1,116.90 | 1,066.85 | 1,132.63 | 900.31 | 232.32 | 4.875 | |
| 6,300.00 | 6,166.92 | 6,157.92 | 6,157.92 | 19.18 | 216.44 | -99.06 | -1,116.90 | 1,066.85 | 1,135.90 | 899.78 | 236.12 | 4.811 | |
| 6,400.00 | 6,264.58 | 6,255.58 | 6,255.58 | 19.53 | 219.90 | -100.10 | -1,116.90 | 1,066.85 | 1,139.56 | 899.65 | 239.91 | 4.750 | |
| 6,500.00 | 6,362.24 | 6,353.24 | 6,353.24 | 19.89 | 223.36 | -101.14 | -1,116.90 | 1,066.85 | 1,143.62 | 899.91 | 243.70 | 4.693 | |
| 6,600.00 | 6,459.90 | 6,450.90 | 6,450.90 | 20.24 | 226.82 | -102.17 | -1,116.90 | 1,066.85 | 1,148.06 | 900.57 | 247.49 | 4.639 | |
| 6,700.00 | 6,557.56 | 6,548.56 | 6,548.56 | 20.59 | 230.28 | -92.11 | -1,116.90 | 1,066.85 | 1,152.32 | 901.04 | 251.27 | 4.586 | |
| 6,800.00 | 6,654.52 | 6,645.52 | 6,645.52 | 20.88 | 233.72 | -61.19 | -1,116.90 | 1,066.85 | 1,145.66 | 890.69 | 254.97 | 4.493 | |
| 6,900.00 | 6,748.60 | 6,739.60 | 6,739.60 | 21.16 | 237.05 | -46.44 | -1,116.90 | 1,066.85 | 1,124.34 | 865.78 | 258.56 | 4.348 | |
| 7,000.00 | 6,837.47 | 6,828.47 | 6,828.47 | 21.44 | 240.20 | -40.42 | -1,116.90 | 1,066.85 | 1,089.08 | 827.12 | 261.97 | 4.157 | |
| 7,100.00 | 6,918.94 | 6,909.94 | 6,909.94 | 21.70 | 243.09 | -38.97 | -1,116.90 | 1,066.85 | 1,040.99 | 775.88 | 265.11 | 3.927 | |
| 7,200.00 | 6,991.02 | 6,982.02 | 6,982.02 | 21.95 | 245.64 | -40.72 | -1,116.90 | 1,066.85 | 981.55 | 713.63 | 267.92 | 3.664 | |
| 7,300.00 | 7,051.93 | 7,042.93 | 7,042.93 | 22.19 | 247.80 | -45.51 | -1,116.90 | 1,066.85 | 912.57 | 642.22 | 270.35 | 3.376 | |
| 7,400.00 | 7,100.16 | 7,108.84 | 7,091.16 | 22.43 | 250.13 | -53.67 | -1,116.90 | 1,066.85 | 836.20 | 563.23 | 272.97 | 3.063 | |
| 7,500.00 | 7,134.53 | 7,125.53 | 7,125.53 | 22.69 | 250.72 | -65.35 | -1,116.90 | 1,066.85 | 754.91 | 481.04 | 273.88 | 2.756 | |
| 7,600.00 | 7,154.20 | 7,145.20 | 7,145.20 | 23.01 | 251.42 | -79.31 | -1,116.90 | 1,066.85 | 671.47 | 396.53 | 274.94 | 2.442 | |
| 7,700.00 | 7,158.98 | 7,149.98 | 7,149.98 | 23.42 | 251.59 | -90.09 | -1,116.90 | 1,066.85 | 588.97 | 313.41 | 275.56 | 2.137 | |
| 7,800.00 | 7,158.86 | 7,149.86 | 7,149.86 | 23.96 | 251.59 | -90.07 | -1,116.90 | 1,066.85 | 511.77 | 235.67 | 276.10 | 1.854 | |
| 7,900.00 | 7,158.74 | 7,149.74 | 7,149.74 | 24.64 | 251.58 | -90.05 | -1,116.90 | 1,066.85 | 443.78 | 167.04 | 276.74 | 1.604 | |
| 8,000.00 | 7,158.62 | 7,149.62 | 7,149.62 | 25.44 | 251.58 | -90.03 | -1,116.90 | 1,066.85 | 389.84 | 112.47 | 277.36 | 1.406 Level 3 | |
| 8,100.00 | 7,158.50 | 7,149.50 | 7,149.50 | 26.35 | 251.57 | -90.01 | -1,116.90 | 1,066.85 | 356.37 | 78.68 | 277.69 | 1.283 Level 3 | |
| 8,174.85 | 7,158.41 | 7,149.41 | 7,149.41 | 27.10 | 251.57 | -90.00 | -1,116.90 | 1,066.85 | 348.42 | 70.87 | 277.55 | 1.255 Level 3, CC, ES, SF | |
| 8,200.00 | 7,158.38 | 7,149.38 | 7,149.38 | 27.36 | 251.57 | -90.00 | -1,116.90 | 1,066.85 | 349.33 | 71.92 | 277.41 | 1.259 Level 3 | |
| 8,300.00 | 7,158.26 | 7,149.26 | 7,149.26 | 28.43 | 251.57 | -89.98 | -1,116.90 | 1,066.85 | 370.22 | 93.65 | 276.56 | 1.339 Level 3 | |
| 8,400.00 | 7,158.15 | 7,149.15 | 7,149.15 | 29.58 | 251.56 | -89.96 | -1,116.90 | 1,066.85 | 414.84 | 139.28 | 275.56 | 1.505 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 8,500.00 | 7,158.03 | 7,149.03 | 7,149.03 | 30.77 | 251.56 | -89.94 | -1,116.90 | 1,066.85 | 476.57 | 201.83 | 274.73 | 1.735 | |
| 8,600.00 | 7,157.91 | 7,148.91 | 7,148.91 | 32.02 | 251.55 | -89.92 | -1,116.90 | 1,066.85 | 549.68 | 275.52 | 274.16 | 2.005 | |
| 8,700.00 | 7,157.79 | 7,148.79 | 7,148.79 | 33.30 | 251.55 | -89.90 | -1,116.90 | 1,066.85 | 630.22 | 356.44 | 273.78 | 2.302 | |
| 8,800.00 | 7,157.67 | 7,148.67 | 7,148.67 | 34.62 | 251.54 | -89.88 | -1,116.90 | 1,066.85 | 715.69 | 442.14 | 273.55 | 2.616 | |
| 8,900.00 | 7,157.55 | 7,148.55 | 7,148.55 | 35.97 | 251.54 | -89.86 | -1,116.90 | 1,066.85 | 804.51 | 531.10 | 273.40 | 2.943 | |
| 9,000.00 | 7,157.43 | 7,148.43 | 7,148.43 | 37.35 | 251.54 | -89.84 | -1,116.90 | 1,066.85 | 895.69 | 622.37 | 273.32 | 3.277 | |
| 9,100.00 | 7,157.32 | 7,148.32 | 7,148.32 | 38.75 | 251.53 | -89.82 | -1,116.90 | 1,066.85 | 988.58 | 715.30 | 273.28 | 3.618 | |
| 9,200.00 | 7,157.20 | 7,148.20 | 7,148.20 | 40.17 | 251.53 | -89.80 | -1,116.90 | 1,066.85 | 1,082.74 | 809.48 | 273.26 | 3.962 | |
| 9,300.00 | 7,157.08 | 7,148.08 | 7,148.08 | 41.61 | 251.52 | -89.78 | -1,116.90 | 1,066.85 | 1,177.86 | 904.60 | 273.26 | 4.310 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - UPRC 29-8C - Noble SI Well - No Surveys | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------------|
| Survey Program: 100-SRC Energy_2" CONE_2.448 | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 8,200.00 | 7,158.38 | 7,238.38 | 7,238.38 | 27.36 | 254.72 | -90.45 | -1,302.62 | 2,198.08 | 1,118.92 | 839.98 | 278.93 | 4.011 | |
| 8,300.00 | 7,158.26 | 7,238.26 | 7,238.26 | 28.43 | 254.72 | -90.41 | -1,302.62 | 2,198.08 | 1,020.13 | 740.94 | 279.19 | 3.654 | |
| 8,400.00 | 7,158.15 | 7,238.15 | 7,238.15 | 29.58 | 254.71 | -90.37 | -1,302.62 | 2,198.08 | 921.60 | 642.10 | 279.50 | 3.297 | |
| 8,500.00 | 7,158.03 | 7,238.03 | 7,238.03 | 30.77 | 254.71 | -90.33 | -1,302.62 | 2,198.08 | 823.42 | 543.53 | 279.89 | 2.942 | |
| 8,600.00 | 7,157.91 | 7,237.91 | 7,237.91 | 32.02 | 254.71 | -90.29 | -1,302.62 | 2,198.08 | 725.75 | 445.35 | 280.41 | 2.588 | |
| 8,700.00 | 7,157.79 | 7,237.79 | 7,237.79 | 33.30 | 254.70 | -90.25 | -1,302.62 | 2,198.08 | 628.81 | 347.71 | 281.10 | 2.237 | |
| 8,800.00 | 7,157.67 | 7,237.67 | 7,237.67 | 34.62 | 254.70 | -90.21 | -1,302.62 | 2,198.08 | 533.00 | 250.93 | 282.06 | 1.890 | |
| 8,900.00 | 7,157.55 | 7,237.55 | 7,237.55 | 35.97 | 254.69 | -90.17 | -1,302.62 | 2,198.08 | 439.05 | 155.57 | 283.49 | 1.549 | |
| 9,000.00 | 7,157.43 | 7,237.43 | 7,237.43 | 37.35 | 254.69 | -90.13 | -1,302.62 | 2,198.08 | 348.50 | 62.81 | 285.69 | 1.220 | Level 2 |
| 9,100.00 | 7,157.32 | 7,237.32 | 7,237.32 | 38.75 | 254.68 | -90.08 | -1,302.62 | 2,198.08 | 264.84 | -24.36 | 289.20 | 0.916 | Level 1 |
| 9,200.00 | 7,157.20 | 7,237.20 | 7,237.20 | 40.17 | 254.68 | -90.04 | -1,302.62 | 2,198.08 | 197.04 | -97.08 | 294.12 | 0.670 | Level 1 |
| 9,300.00 | 7,157.08 | 7,237.08 | 7,237.08 | 41.61 | 254.68 | -90.00 | -1,302.62 | 2,198.08 | 165.86 | -130.30 | 296.16 | 0.560 | Level 1, ES |
| 9,306.58 | 7,157.07 | 7,237.07 | 7,237.07 | 41.71 | 254.68 | -90.00 | -1,302.62 | 2,198.08 | 165.73 | -130.24 | 295.97 | 0.560 | Level 1, CC, SF |
| 9,400.00 | 7,156.96 | 7,236.96 | 7,236.96 | 43.07 | 254.67 | -89.96 | -1,302.62 | 2,198.08 | 190.25 | -99.51 | 289.76 | 0.657 | Level 1 |
| 9,500.00 | 7,156.84 | 7,236.84 | 7,236.84 | 44.55 | 254.67 | -89.92 | -1,302.62 | 2,198.08 | 254.71 | -28.28 | 283.00 | 0.900 | Level 1 |
| 9,600.00 | 7,156.72 | 7,236.72 | 7,236.72 | 46.03 | 254.66 | -89.88 | -1,302.62 | 2,198.08 | 336.99 | 57.51 | 279.48 | 1.206 | Level 2 |
| 9,700.00 | 7,156.60 | 7,236.60 | 7,236.60 | 47.53 | 254.66 | -89.84 | -1,302.62 | 2,198.08 | 426.91 | 149.02 | 277.88 | 1.536 | |
| 9,800.00 | 7,156.48 | 7,236.48 | 7,236.48 | 49.04 | 254.66 | -89.80 | -1,302.62 | 2,198.08 | 520.51 | 243.34 | 277.17 | 1.878 | |
| 9,900.00 | 7,156.37 | 7,236.37 | 7,236.37 | 50.57 | 254.65 | -89.76 | -1,302.62 | 2,198.08 | 616.13 | 339.27 | 276.86 | 2.225 | |
| 10,000.00 | 7,156.25 | 7,236.25 | 7,236.25 | 52.10 | 254.65 | -89.72 | -1,302.62 | 2,198.08 | 712.95 | 436.22 | 276.74 | 2.576 | |
| 10,100.00 | 7,156.13 | 7,236.13 | 7,236.13 | 53.64 | 254.64 | -89.67 | -1,302.62 | 2,198.08 | 810.55 | 533.84 | 276.71 | 2.929 | |
| 10,200.00 | 7,156.01 | 7,236.01 | 7,236.01 | 55.18 | 254.64 | -89.63 | -1,302.62 | 2,198.08 | 908.67 | 631.93 | 276.74 | 3.283 | |
| 10,300.00 | 7,155.89 | 7,235.89 | 7,235.89 | 56.74 | 254.63 | -89.59 | -1,302.62 | 2,198.08 | 1,007.15 | 730.36 | 276.79 | 3.639 | |
| 10,400.00 | 7,155.77 | 7,235.77 | 7,235.77 | 58.30 | 254.63 | -89.55 | -1,302.62 | 2,198.08 | 1,105.91 | 829.05 | 276.86 | 3.994 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1C-27-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7728-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.30 | 159.93 | -0.84 | 159.93 | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.30 | 159.93 | -0.84 | 159.93 | 152.40 | 7.53 | 21.242 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.30 | 159.93 | -0.84 | 159.93 | 152.35 | 7.57 | 21.116 CC, ES | |
| 300.00 | 299.98 | 301.37 | 301.37 | 3.34 | 3.34 | 176.66 | 159.19 | -1.46 | 160.94 | 153.29 | 7.65 | 21.033 SF | |
| 400.00 | 399.84 | 401.27 | 401.26 | 3.40 | 3.40 | 176.51 | 158.32 | -2.19 | 165.30 | 157.53 | 7.77 | 21.276 | |
| 500.00 | 499.45 | 500.96 | 500.94 | 3.49 | 3.48 | 176.43 | 157.45 | -2.91 | 173.15 | 165.21 | 7.93 | 21.826 | |
| 600.00 | 598.70 | 600.31 | 600.29 | 3.60 | 3.58 | 176.42 | 156.59 | -3.64 | 184.45 | 176.31 | 8.14 | 22.661 | |
| 700.00 | 697.47 | 700.79 | 699.18 | 3.75 | 3.70 | 176.47 | 155.73 | -4.36 | 199.22 | 190.83 | 8.39 | 23.743 | |
| 800.00 | 795.62 | 802.46 | 797.50 | 3.95 | 3.83 | 176.56 | 154.87 | -5.07 | 217.42 | 208.73 | 8.68 | 25.036 | |
| 900.00 | 893.30 | 904.60 | 895.36 | 4.18 | 3.99 | 176.69 | 154.02 | -5.79 | 237.97 | 228.96 | 9.01 | 26.406 | |
| 1,000.00 | 990.96 | 1,006.75 | 993.20 | 4.45 | 4.15 | 176.80 | 153.17 | -6.50 | 258.60 | 249.24 | 9.36 | 27.622 | |
| 1,100.00 | 1,088.62 | 1,108.91 | 1,091.04 | 4.74 | 4.33 | 176.90 | 152.32 | -7.22 | 279.23 | 269.49 | 9.74 | 28.666 | |
| 1,200.00 | 1,186.28 | 1,188.94 | 1,188.88 | 5.05 | 4.48 | 176.98 | 151.47 | -7.93 | 299.86 | 289.76 | 10.10 | 29.681 | |
| 1,300.00 | 1,283.94 | 1,286.79 | 1,286.72 | 5.38 | 4.67 | 177.05 | 150.62 | -8.64 | 320.49 | 309.97 | 10.52 | 30.471 | |
| 1,400.00 | 1,381.60 | 1,384.64 | 1,384.56 | 5.73 | 4.86 | 177.12 | 149.77 | -9.36 | 341.12 | 330.17 | 10.95 | 31.149 | |
| 1,500.00 | 1,479.26 | 1,482.49 | 1,482.41 | 6.08 | 5.06 | 177.17 | 148.92 | -10.07 | 361.75 | 350.35 | 11.40 | 31.730 | |
| 1,600.00 | 1,576.92 | 1,580.33 | 1,580.25 | 6.45 | 5.27 | 177.22 | 148.07 | -10.78 | 382.38 | 370.52 | 11.86 | 32.229 | |
| 1,700.00 | 1,674.58 | 1,678.18 | 1,678.09 | 6.82 | 5.49 | 177.27 | 147.22 | -11.50 | 403.02 | 390.68 | 12.34 | 32.657 | |
| 1,800.00 | 1,772.24 | 1,776.03 | 1,775.93 | 7.21 | 5.70 | 177.31 | 146.37 | -12.21 | 423.65 | 410.82 | 12.83 | 33.025 | |
| 1,900.00 | 1,869.90 | 1,873.88 | 1,873.77 | 7.42 | 5.93 | 177.34 | 145.52 | -12.92 | 444.28 | 431.46 | 12.82 | 34.648 | |
| 2,000.00 | 1,967.56 | 1,971.73 | 1,971.61 | 7.47 | 6.15 | 177.38 | 144.67 | -13.64 | 464.92 | 451.85 | 13.07 | 35.577 | |
| 2,100.00 | 2,065.22 | 2,069.57 | 2,069.45 | 7.54 | 6.38 | 177.41 | 143.82 | -14.35 | 485.55 | 472.22 | 13.33 | 36.415 | |
| 2,200.00 | 2,162.88 | 2,167.42 | 2,167.30 | 7.63 | 6.62 | 177.44 | 142.97 | -15.06 | 506.18 | 492.56 | 13.62 | 37.168 | |
| 2,300.00 | 2,260.54 | 2,265.27 | 2,265.14 | 7.74 | 6.85 | 177.46 | 142.12 | -15.78 | 526.82 | 512.89 | 13.92 | 37.839 | |
| 2,400.00 | 2,358.20 | 2,363.12 | 2,362.98 | 7.87 | 7.09 | 177.49 | 141.27 | -16.49 | 547.45 | 533.20 | 14.24 | 38.432 | |
| 2,500.00 | 2,455.85 | 2,460.97 | 2,460.82 | 8.01 | 7.33 | 177.51 | 140.42 | -17.20 | 568.08 | 553.50 | 14.58 | 38.953 | |
| 2,600.00 | 2,553.51 | 2,558.81 | 2,558.66 | 8.17 | 7.58 | 177.53 | 139.57 | -17.92 | 588.72 | 573.78 | 14.94 | 39.407 | |
| 2,700.00 | 2,651.17 | 2,656.66 | 2,656.50 | 8.34 | 7.82 | 177.55 | 138.72 | -18.63 | 609.35 | 594.04 | 15.31 | 39.799 | |
| 2,800.00 | 2,748.83 | 2,754.51 | 2,754.35 | 8.52 | 8.07 | 177.57 | 137.87 | -19.34 | 629.98 | 614.29 | 15.70 | 40.136 | |
| 2,900.00 | 2,846.49 | 2,852.36 | 2,852.19 | 8.72 | 8.31 | 177.58 | 137.02 | -20.06 | 650.62 | 634.52 | 16.10 | 40.422 | |
| 3,000.00 | 2,944.15 | 2,950.21 | 2,950.03 | 8.93 | 8.56 | 177.60 | 136.17 | -20.77 | 671.25 | 654.74 | 16.51 | 40.662 | |
| 3,100.00 | 3,041.81 | 3,048.05 | 3,047.87 | 9.16 | 8.81 | 177.61 | 135.32 | -21.49 | 691.88 | 674.95 | 16.93 | 40.862 | |
| 3,200.00 | 3,139.47 | 3,145.90 | 3,145.71 | 9.39 | 9.06 | 177.63 | 134.47 | -22.20 | 712.52 | 695.15 | 17.37 | 41.026 | |
| 3,300.00 | 3,237.13 | 3,243.75 | 3,243.55 | 9.63 | 9.32 | 177.64 | 133.62 | -22.91 | 733.15 | 715.34 | 17.81 | 41.158 | |
| 3,400.00 | 3,334.79 | 3,341.60 | 3,341.40 | 9.88 | 9.57 | 177.65 | 132.77 | -23.63 | 753.79 | 735.52 | 18.27 | 41.262 | |
| 3,500.00 | 3,432.45 | 3,439.44 | 3,439.24 | 10.14 | 9.83 | 177.67 | 131.91 | -24.34 | 774.42 | 755.69 | 18.73 | 41.341 | |
| 3,600.00 | 3,530.11 | 3,537.29 | 3,537.08 | 10.41 | 10.08 | 177.68 | 131.06 | -25.05 | 795.05 | 775.85 | 19.21 | 41.398 | |
| 3,700.00 | 3,627.77 | 3,635.14 | 3,634.92 | 10.68 | 10.34 | 177.69 | 130.21 | -25.77 | 815.69 | 796.00 | 19.69 | 41.437 | |
| 3,800.00 | 3,725.43 | 3,732.99 | 3,732.76 | 10.96 | 10.59 | 177.70 | 129.36 | -26.48 | 836.32 | 816.15 | 20.17 | 41.459 | |
| 3,900.00 | 3,823.09 | 3,830.84 | 3,830.60 | 11.25 | 10.85 | 177.71 | 128.51 | -27.19 | 856.96 | 836.29 | 20.67 | 41.467 | |
| 4,000.00 | 3,920.75 | 3,928.68 | 3,928.45 | 11.54 | 11.11 | 177.72 | 127.66 | -27.91 | 877.59 | 856.42 | 21.17 | 41.462 | |
| 4,100.00 | 4,018.41 | 4,026.53 | 4,026.29 | 11.84 | 11.37 | 177.72 | 126.81 | -28.62 | 898.22 | 876.55 | 21.67 | 41.447 | |
| 4,200.00 | 4,116.07 | 4,124.38 | 4,124.13 | 12.14 | 11.63 | 177.73 | 125.96 | -29.33 | 918.86 | 896.68 | 22.18 | 41.423 | |
| 4,300.00 | 4,213.73 | 4,222.23 | 4,221.97 | 12.45 | 11.89 | 177.74 | 125.11 | -30.05 | 939.49 | 916.79 | 22.70 | 41.391 | |
| 4,400.00 | 4,311.39 | 4,320.08 | 4,319.81 | 12.76 | 12.15 | 177.75 | 124.26 | -30.76 | 960.13 | 936.91 | 23.22 | 41.353 | |
| 4,500.00 | 4,409.05 | 4,417.92 | 4,417.65 | 13.08 | 12.41 | 177.76 | 123.41 | -31.47 | 980.76 | 957.02 | 23.74 | 41.309 | |
| 4,600.00 | 4,506.71 | 4,515.77 | 4,515.50 | 13.40 | 12.67 | 177.76 | 122.56 | -32.19 | 1,001.40 | 977.12 | 24.27 | 41.260 | |
| 4,700.00 | 4,604.37 | 4,613.62 | 4,613.34 | 13.72 | 12.93 | 177.77 | 121.71 | -32.90 | 1,022.03 | 997.23 | 24.80 | 41.207 | |
| 4,800.00 | 4,702.03 | 4,711.47 | 4,711.18 | 14.04 | 13.19 | 177.78 | 120.86 | -33.62 | 1,042.66 | 1,017.33 | 25.34 | 41.151 | |
| 4,900.00 | 4,799.69 | 4,809.32 | 4,809.02 | 14.37 | 13.45 | 177.78 | 120.01 | -34.33 | 1,063.30 | 1,037.42 | 25.88 | 41.092 | |
| 5,000.00 | 4,897.35 | 4,907.16 | 4,906.86 | 14.70 | 13.72 | 177.79 | 119.16 | -35.04 | 1,083.93 | 1,057.52 | 26.42 | 41.031 | |
| 5,100.00 | 4,995.01 | 5,005.01 | 5,004.70 | 15.03 | 13.98 | 177.79 | 118.31 | -35.76 | 1,104.57 | 1,077.61 | 26.96 | 40.968 | |

Hewlett-Packard
Anticollision Report

| | | | |
|--------------------|---------------------------------|------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | |
|-----------------------|--|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Offset Design | 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1C-27-XR - Wellbore #1 - Design #1 | | | | | | | | | | | Offset Site Error: | 0.00 usft |
| Survey Program: | 0-SRC Energy_ISCWSA REV 2 MWD+IFR1 , 7728-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 5,200.00 | 5,092.67 | 5,102.86 | 5,102.55 | 15.37 | 14.24 | 177.80 | 117.46 | -36.47 | 1,125.20 | 1,097.69 | 27.51 | 40.904 | |
| 5,300.00 | 5,190.33 | 5,200.71 | 5,200.39 | 15.71 | 14.51 | 177.81 | 116.61 | -37.18 | 1,145.84 | 1,117.78 | 28.06 | 40.839 | |
| 5,400.00 | 5,287.99 | 5,301.45 | 5,298.23 | 16.05 | 14.78 | 177.81 | 115.76 | -37.90 | 1,166.47 | 1,137.85 | 28.62 | 40.762 | |
| 5,500.00 | 5,385.65 | 5,403.60 | 5,396.07 | 16.39 | 15.05 | 177.82 | 114.91 | -38.61 | 1,187.10 | 1,157.92 | 29.18 | 40.679 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27A-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.34 | 140.26 | -0.84 | 140.26 | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.34 | 140.26 | -0.84 | 140.26 | 132.73 | 7.53 | 18.630 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.34 | 140.26 | -0.84 | 140.26 | 132.69 | 7.57 | 18.519 CC, ES | |
| 300.00 | 299.98 | 300.83 | 300.82 | 3.34 | 3.34 | 176.55 | 139.74 | -1.55 | 141.49 | 133.84 | 7.65 | 18.490 SF | |
| 400.00 | 399.84 | 400.71 | 400.70 | 3.40 | 3.40 | 176.34 | 139.13 | -2.39 | 146.12 | 138.35 | 7.77 | 18.803 | |
| 500.00 | 499.45 | 500.38 | 500.37 | 3.49 | 3.48 | 176.23 | 138.53 | -3.22 | 154.22 | 146.29 | 7.94 | 19.435 | |
| 600.00 | 598.70 | 600.30 | 599.68 | 3.60 | 3.58 | 176.20 | 137.93 | -4.04 | 165.80 | 157.65 | 8.14 | 20.358 | |
| 700.00 | 697.47 | 701.44 | 698.54 | 3.75 | 3.70 | 176.24 | 137.33 | -4.87 | 180.82 | 172.42 | 8.40 | 21.535 | |
| 800.00 | 795.62 | 803.16 | 796.81 | 3.95 | 3.84 | 176.34 | 136.73 | -5.69 | 199.28 | 190.59 | 8.69 | 22.930 | |
| 900.00 | 893.30 | 905.35 | 894.61 | 4.18 | 3.99 | 176.47 | 136.14 | -6.50 | 220.09 | 211.07 | 9.02 | 24.401 | |
| 1,000.00 | 990.96 | 1,007.56 | 992.40 | 4.45 | 4.16 | 176.58 | 135.55 | -7.31 | 240.98 | 231.61 | 9.37 | 25.717 | |
| 1,100.00 | 1,088.62 | 1,109.77 | 1,090.19 | 4.74 | 4.34 | 176.68 | 134.96 | -8.13 | 261.86 | 252.11 | 9.75 | 26.859 | |
| 1,200.00 | 1,186.28 | 1,188.03 | 1,187.98 | 5.05 | 4.48 | 176.76 | 134.37 | -8.94 | 282.75 | 272.64 | 10.11 | 27.971 | |
| 1,300.00 | 1,283.94 | 1,285.82 | 1,285.77 | 5.38 | 4.67 | 176.83 | 133.77 | -9.76 | 303.64 | 293.11 | 10.52 | 28.852 | |
| 1,400.00 | 1,381.60 | 1,383.62 | 1,383.55 | 5.73 | 4.86 | 176.90 | 133.18 | -10.57 | 324.53 | 313.57 | 10.96 | 29.617 | |
| 1,500.00 | 1,479.26 | 1,481.41 | 1,481.34 | 6.08 | 5.07 | 176.95 | 132.59 | -11.39 | 345.42 | 334.01 | 11.41 | 30.281 | |
| 1,600.00 | 1,576.92 | 1,579.20 | 1,579.13 | 6.45 | 5.28 | 177.00 | 132.00 | -12.20 | 366.30 | 354.43 | 11.87 | 30.857 | |
| 1,700.00 | 1,674.58 | 1,677.00 | 1,676.92 | 6.82 | 5.49 | 177.04 | 131.41 | -13.02 | 387.19 | 374.85 | 12.35 | 31.359 | |
| 1,800.00 | 1,772.24 | 1,774.79 | 1,774.71 | 7.21 | 5.71 | 177.08 | 130.82 | -13.83 | 408.08 | 395.25 | 12.83 | 31.796 | |
| 1,900.00 | 1,869.90 | 1,872.58 | 1,872.49 | 7.42 | 5.85 | 177.12 | 130.22 | -14.65 | 428.97 | 416.23 | 12.75 | 33.652 | |
| 2,000.00 | 1,967.56 | 1,970.38 | 1,970.28 | 7.47 | 5.89 | 177.15 | 129.63 | -15.46 | 449.86 | 437.05 | 12.81 | 35.124 | |
| 2,100.00 | 2,065.22 | 2,068.17 | 2,068.07 | 7.54 | 5.91 | 177.18 | 129.04 | -16.28 | 470.75 | 457.89 | 12.87 | 36.590 | |
| 2,200.00 | 2,162.88 | 2,165.96 | 2,165.86 | 7.63 | 5.94 | 177.20 | 128.45 | -17.09 | 491.64 | 478.69 | 12.95 | 37.959 | |
| 2,300.00 | 2,260.54 | 2,263.76 | 2,263.65 | 7.74 | 5.99 | 177.23 | 127.86 | -17.91 | 512.53 | 499.47 | 13.07 | 39.225 | |
| 2,400.00 | 2,358.20 | 2,361.55 | 2,361.44 | 7.87 | 6.05 | 177.25 | 127.26 | -18.72 | 533.42 | 520.21 | 13.21 | 40.385 | |
| 2,500.00 | 2,455.85 | 2,459.34 | 2,459.22 | 8.01 | 6.12 | 177.27 | 126.67 | -19.53 | 554.31 | 540.94 | 13.38 | 41.440 | |
| 2,600.00 | 2,553.51 | 2,557.14 | 2,557.01 | 8.17 | 6.20 | 177.29 | 126.08 | -20.35 | 575.20 | 561.63 | 13.57 | 42.389 | |
| 2,700.00 | 2,651.17 | 2,654.93 | 2,654.80 | 8.34 | 6.29 | 177.31 | 125.49 | -21.16 | 596.09 | 582.31 | 13.79 | 43.235 | |
| 2,800.00 | 2,748.83 | 2,752.72 | 2,752.59 | 8.52 | 6.39 | 177.32 | 124.90 | -21.98 | 616.98 | 602.96 | 14.03 | 43.982 | |
| 2,900.00 | 2,846.49 | 2,850.52 | 2,850.38 | 8.72 | 6.50 | 177.34 | 124.30 | -22.79 | 637.87 | 623.58 | 14.29 | 44.636 | |
| 3,000.00 | 2,944.15 | 2,948.31 | 2,948.17 | 8.93 | 6.62 | 177.35 | 123.71 | -23.61 | 658.76 | 644.19 | 14.57 | 45.203 | |
| 3,100.00 | 3,041.81 | 3,046.10 | 3,045.95 | 9.16 | 6.74 | 177.37 | 123.12 | -24.42 | 679.65 | 664.78 | 14.88 | 45.688 | |
| 3,200.00 | 3,139.47 | 3,143.90 | 3,143.74 | 9.39 | 6.88 | 177.38 | 122.53 | -25.24 | 700.55 | 685.35 | 15.20 | 46.099 | |
| 3,300.00 | 3,237.13 | 3,241.69 | 3,241.53 | 9.63 | 7.02 | 177.39 | 121.94 | -26.05 | 721.44 | 705.90 | 15.53 | 46.442 | |
| 3,400.00 | 3,334.79 | 3,339.48 | 3,339.32 | 9.88 | 7.18 | 177.41 | 121.34 | -26.87 | 742.33 | 726.44 | 15.89 | 46.724 | |
| 3,500.00 | 3,432.45 | 3,437.28 | 3,437.11 | 10.14 | 7.33 | 177.42 | 120.75 | -27.68 | 763.22 | 746.96 | 16.26 | 46.950 | |
| 3,600.00 | 3,530.11 | 3,535.07 | 3,534.90 | 10.41 | 7.50 | 177.43 | 120.16 | -28.50 | 784.11 | 767.47 | 16.64 | 47.128 | |
| 3,700.00 | 3,627.77 | 3,632.87 | 3,632.68 | 10.68 | 7.67 | 177.44 | 119.57 | -29.31 | 805.00 | 787.97 | 17.03 | 47.262 | |
| 3,800.00 | 3,725.43 | 3,730.66 | 3,730.47 | 10.96 | 7.84 | 177.45 | 118.98 | -30.13 | 825.89 | 808.45 | 17.44 | 47.357 | |
| 3,900.00 | 3,823.09 | 3,828.45 | 3,828.26 | 11.25 | 8.03 | 177.45 | 118.39 | -30.94 | 846.78 | 828.92 | 17.86 | 47.419 | |
| 4,000.00 | 3,920.75 | 3,926.25 | 3,926.05 | 11.54 | 8.21 | 177.46 | 117.79 | -31.76 | 867.67 | 849.38 | 18.29 | 47.450 | |
| 4,100.00 | 4,018.41 | 4,024.04 | 4,023.84 | 11.84 | 8.40 | 177.47 | 117.20 | -32.57 | 888.56 | 869.84 | 18.72 | 47.456 | |
| 4,200.00 | 4,116.07 | 4,121.83 | 4,121.63 | 12.14 | 8.60 | 177.48 | 116.61 | -33.38 | 909.45 | 890.28 | 19.17 | 47.440 | |
| 4,300.00 | 4,213.73 | 4,219.63 | 4,219.41 | 12.45 | 8.80 | 177.48 | 116.02 | -34.20 | 930.34 | 910.72 | 19.63 | 47.404 | |
| 4,400.00 | 4,311.39 | 4,317.42 | 4,317.20 | 12.76 | 9.00 | 177.49 | 115.43 | -35.01 | 951.23 | 931.14 | 20.09 | 47.352 | |
| 4,500.00 | 4,409.05 | 4,415.21 | 4,414.99 | 13.08 | 9.21 | 177.50 | 114.83 | -35.83 | 972.12 | 951.57 | 20.56 | 47.285 | |
| 4,600.00 | 4,506.71 | 4,513.01 | 4,512.78 | 13.40 | 9.42 | 177.50 | 114.24 | -36.64 | 993.01 | 971.98 | 21.04 | 47.207 | |
| 4,700.00 | 4,604.37 | 4,610.80 | 4,610.57 | 13.72 | 9.63 | 177.51 | 113.65 | -37.46 | 1,013.91 | 992.39 | 21.52 | 47.118 | |
| 4,800.00 | 4,702.03 | 4,708.59 | 4,708.36 | 14.04 | 9.84 | 177.52 | 113.06 | -38.27 | 1,034.80 | 1,012.79 | 22.01 | 47.020 | |
| 4,900.00 | 4,799.69 | 4,806.39 | 4,806.14 | 14.37 | 10.06 | 177.52 | 112.47 | -39.09 | 1,055.69 | 1,033.19 | 22.50 | 46.915 | |
| 5,000.00 | 4,897.35 | 4,904.18 | 4,903.93 | 14.70 | 10.28 | 177.53 | 111.87 | -39.90 | 1,076.58 | 1,053.58 | 23.00 | 46.805 | |
| 5,100.00 | 4,995.01 | 5,001.97 | 5,001.72 | 15.03 | 10.50 | 177.53 | 111.28 | -40.72 | 1,097.47 | 1,073.96 | 23.51 | 46.689 | |

Hewlett-Packard
Anticollision Report

| | | | |
|--------------------|---------------------------------|------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | |
|-----------------------|---|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Offset Design | 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27A-XR - Wellbore #1 - Design #1 | | | | | | | | | | | Offset Site Error: | 0.00 usft |
| Survey Program: | 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 5,200.00 | 5,092.67 | 5,100.23 | 5,099.51 | 15.37 | 10.73 | 177.54 | 110.69 | -41.53 | 1,118.36 | 1,094.34 | 24.02 | 46.568 | |
| 5,300.00 | 5,190.33 | 5,202.44 | 5,197.30 | 15.71 | 10.97 | 177.54 | 110.10 | -42.35 | 1,139.25 | 1,114.71 | 24.54 | 46.426 | |
| 5,400.00 | 5,287.99 | 5,304.65 | 5,295.09 | 16.05 | 11.21 | 177.55 | 109.51 | -43.16 | 1,160.14 | 1,135.08 | 25.07 | 46.283 | |
| 5,500.00 | 5,385.65 | 5,406.85 | 5,392.87 | 16.39 | 11.45 | 177.55 | 108.92 | -43.98 | 1,181.03 | 1,155.43 | 25.60 | 46.138 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27B-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|------------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.35 | 179.96 | -1.11 | 179.97 | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.35 | 179.96 | -1.11 | 179.97 | 172.44 | 7.53 | 23.903 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.35 | 179.96 | -1.11 | 179.97 | 172.39 | 7.57 | 23.761 | CC, ES, SF |
| 300.00 | 299.98 | 304.55 | 295.43 | 3.34 | 3.35 | 176.67 | 181.40 | -1.61 | 183.20 | 175.54 | 7.66 | 23.913 | |
| 400.00 | 399.84 | 404.86 | 395.09 | 3.40 | 3.42 | 176.50 | 183.86 | -2.46 | 190.90 | 183.11 | 7.79 | 24.504 | |
| 500.00 | 499.45 | 505.49 | 494.43 | 3.49 | 3.51 | 176.40 | 186.32 | -3.30 | 202.08 | 194.11 | 7.97 | 25.368 | |
| 600.00 | 598.70 | 606.57 | 593.31 | 3.60 | 3.62 | 176.37 | 188.77 | -4.15 | 216.70 | 208.52 | 8.18 | 26.476 | |
| 700.00 | 697.47 | 708.22 | 691.63 | 3.75 | 3.75 | 176.39 | 191.21 | -4.99 | 234.76 | 226.32 | 8.45 | 27.794 | |
| 800.00 | 795.62 | 789.44 | 789.26 | 3.95 | 3.86 | 176.45 | 193.62 | -5.82 | 256.24 | 247.52 | 8.72 | 29.390 | |
| 900.00 | 893.30 | 886.56 | 886.35 | 4.18 | 4.01 | 176.55 | 196.03 | -6.65 | 280.05 | 271.01 | 9.04 | 30.971 | |
| 1,000.00 | 990.96 | 983.67 | 983.42 | 4.45 | 4.17 | 176.63 | 198.43 | -7.47 | 303.94 | 294.56 | 9.39 | 32.385 | |
| 1,100.00 | 1,088.62 | 1,080.77 | 1,080.49 | 4.74 | 4.34 | 176.71 | 200.83 | -8.30 | 327.83 | 318.08 | 9.76 | 33.606 | |
| 1,200.00 | 1,186.28 | 1,177.88 | 1,177.56 | 5.05 | 4.52 | 176.77 | 203.24 | -9.13 | 351.72 | 341.57 | 10.15 | 34.656 | |
| 1,300.00 | 1,283.94 | 1,274.98 | 1,274.63 | 5.38 | 4.71 | 176.83 | 205.64 | -9.96 | 375.61 | 365.05 | 10.56 | 35.558 | |
| 1,400.00 | 1,381.60 | 1,372.08 | 1,371.70 | 5.73 | 4.90 | 176.88 | 208.04 | -10.78 | 399.50 | 388.51 | 11.00 | 36.332 | |
| 1,500.00 | 1,479.26 | 1,469.19 | 1,468.77 | 6.08 | 5.10 | 176.92 | 210.45 | -11.61 | 423.40 | 411.95 | 11.44 | 36.996 | |
| 1,600.00 | 1,576.92 | 1,566.29 | 1,565.84 | 6.45 | 5.31 | 176.96 | 212.85 | -12.44 | 447.29 | 435.38 | 11.91 | 37.566 | |
| 1,700.00 | 1,674.58 | 1,663.39 | 1,662.91 | 6.82 | 5.53 | 177.00 | 215.25 | -13.27 | 471.18 | 458.80 | 12.38 | 38.056 | |
| 1,800.00 | 1,772.24 | 1,760.50 | 1,759.98 | 7.21 | 5.74 | 177.03 | 217.66 | -14.09 | 495.07 | 482.20 | 12.87 | 38.477 | |
| 1,900.00 | 1,869.90 | 1,857.60 | 1,857.05 | 7.42 | 5.90 | 177.06 | 220.06 | -14.92 | 518.96 | 506.16 | 12.80 | 40.553 | |
| 2,000.00 | 1,967.56 | 1,954.71 | 1,954.12 | 7.47 | 5.96 | 177.09 | 222.46 | -15.75 | 542.85 | 529.98 | 12.87 | 42.167 | |
| 2,100.00 | 2,065.22 | 2,051.81 | 2,051.19 | 7.54 | 5.98 | 177.11 | 224.87 | -16.58 | 566.74 | 553.81 | 12.93 | 43.832 | |
| 2,200.00 | 2,162.88 | 2,148.91 | 2,148.26 | 7.63 | 6.01 | 177.13 | 227.27 | -17.40 | 590.64 | 577.62 | 13.01 | 45.384 | |
| 2,300.00 | 2,260.54 | 2,246.02 | 2,245.33 | 7.74 | 6.05 | 177.15 | 229.67 | -18.23 | 614.53 | 601.40 | 13.13 | 46.817 | |
| 2,400.00 | 2,358.20 | 2,343.12 | 2,342.40 | 7.87 | 6.11 | 177.17 | 232.08 | -19.06 | 638.42 | 625.16 | 13.27 | 48.128 | |
| 2,500.00 | 2,455.85 | 2,440.22 | 2,439.47 | 8.01 | 6.17 | 177.19 | 234.48 | -19.89 | 662.31 | 648.88 | 13.43 | 49.316 | |
| 2,600.00 | 2,553.51 | 2,537.33 | 2,536.54 | 8.17 | 6.25 | 177.21 | 236.88 | -20.71 | 686.20 | 672.58 | 13.62 | 50.382 | |
| 2,700.00 | 2,651.17 | 2,634.43 | 2,633.61 | 8.34 | 6.34 | 177.22 | 239.29 | -21.54 | 710.10 | 696.26 | 13.83 | 51.330 | |
| 2,800.00 | 2,748.83 | 2,731.54 | 2,730.68 | 8.52 | 6.43 | 177.24 | 241.69 | -22.37 | 733.99 | 719.92 | 14.07 | 52.164 | |
| 2,900.00 | 2,846.49 | 2,828.64 | 2,827.76 | 8.72 | 6.54 | 177.25 | 244.09 | -23.20 | 757.88 | 743.55 | 14.33 | 52.891 | |
| 3,000.00 | 2,944.15 | 2,925.74 | 2,924.83 | 8.93 | 6.65 | 177.26 | 246.50 | -24.02 | 781.77 | 767.17 | 14.61 | 53.517 | |
| 3,100.00 | 3,041.81 | 3,022.85 | 3,021.90 | 9.16 | 6.78 | 177.27 | 248.90 | -24.85 | 805.67 | 790.76 | 14.91 | 54.050 | |
| 3,200.00 | 3,139.47 | 3,119.95 | 3,118.97 | 9.39 | 6.91 | 177.29 | 251.30 | -25.68 | 829.56 | 814.34 | 15.22 | 54.496 | |
| 3,300.00 | 3,237.13 | 3,217.05 | 3,216.04 | 9.63 | 7.05 | 177.30 | 253.71 | -26.51 | 853.45 | 837.90 | 15.56 | 54.865 | |
| 3,400.00 | 3,334.79 | 3,314.16 | 3,313.11 | 9.88 | 7.20 | 177.31 | 256.11 | -27.33 | 877.34 | 861.44 | 15.90 | 55.163 | |
| 3,500.00 | 3,432.45 | 3,411.26 | 3,410.18 | 10.14 | 7.35 | 177.32 | 258.51 | -28.16 | 901.24 | 884.97 | 16.27 | 55.399 | |
| 3,600.00 | 3,530.11 | 3,508.36 | 3,507.25 | 10.41 | 7.51 | 177.32 | 260.92 | -28.99 | 925.13 | 908.48 | 16.65 | 55.577 | |
| 3,700.00 | 3,627.77 | 3,605.47 | 3,604.32 | 10.68 | 7.68 | 177.33 | 263.32 | -29.82 | 949.02 | 931.98 | 17.04 | 55.706 | |
| 3,800.00 | 3,725.43 | 3,702.57 | 3,701.39 | 10.96 | 7.85 | 177.34 | 265.73 | -30.65 | 972.91 | 955.47 | 17.44 | 55.790 | |
| 3,900.00 | 3,823.09 | 3,800.32 | 3,798.46 | 11.25 | 8.03 | 177.35 | 268.13 | -31.47 | 996.81 | 978.95 | 17.85 | 55.833 | |
| 4,000.00 | 3,920.75 | 3,903.22 | 3,895.53 | 11.54 | 8.22 | 177.36 | 270.53 | -32.30 | 1,020.70 | 1,002.41 | 18.29 | 55.811 | |
| 4,100.00 | 4,018.41 | 4,006.12 | 3,992.60 | 11.84 | 8.42 | 177.36 | 272.94 | -33.13 | 1,044.59 | 1,025.86 | 18.73 | 55.759 | |
| 4,200.00 | 4,116.07 | 4,109.01 | 4,089.67 | 12.14 | 8.62 | 177.37 | 275.34 | -33.96 | 1,068.48 | 1,049.30 | 19.19 | 55.683 | |
| 4,300.00 | 4,213.73 | 4,188.09 | 4,186.74 | 12.45 | 8.78 | 177.38 | 277.74 | -34.78 | 1,092.38 | 1,072.77 | 19.60 | 55.723 | |
| 4,400.00 | 4,311.39 | 4,285.19 | 4,283.81 | 12.76 | 8.98 | 177.38 | 280.15 | -35.61 | 1,116.27 | 1,096.21 | 20.06 | 55.639 | |
| 4,500.00 | 4,409.05 | 4,382.30 | 4,380.88 | 13.08 | 9.18 | 177.39 | 282.55 | -36.44 | 1,140.16 | 1,119.63 | 20.53 | 55.540 | |
| 4,600.00 | 4,506.71 | 4,479.40 | 4,477.95 | 13.40 | 9.39 | 177.39 | 284.95 | -37.27 | 1,164.05 | 1,143.05 | 21.00 | 55.427 | |
| 4,700.00 | 4,604.37 | 4,576.51 | 4,575.02 | 13.72 | 9.60 | 177.40 | 287.36 | -38.09 | 1,187.95 | 1,166.47 | 21.48 | 55.302 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.27 | 120.21 | -0.56 | 120.21 | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.27 | 120.21 | -0.56 | 120.21 | 112.69 | 7.53 | 15.967 | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.27 | 120.21 | -0.56 | 120.21 | 112.64 | 7.57 | 15.872 | | |
| 300.00 | 299.98 | 304.27 | 304.25 | 3.34 | 3.35 | 176.74 | 118.36 | -0.95 | 120.18 | 112.53 | 7.65 | 15.706 | | |
| 315.68 | 315.65 | 320.63 | 320.59 | 3.35 | 3.36 | 176.69 | 117.73 | -1.09 | 120.17 | 112.50 | 7.67 | 15.674 | CC, ES, SF | |
| 400.00 | 399.84 | 404.39 | 404.29 | 3.40 | 3.41 | 176.50 | 114.69 | -1.73 | 121.74 | 113.98 | 7.77 | 15.678 | | |
| 500.00 | 499.45 | 504.25 | 504.09 | 3.49 | 3.48 | 176.36 | 111.02 | -2.51 | 126.79 | 118.87 | 7.92 | 16.000 | | |
| 600.00 | 598.70 | 603.89 | 603.65 | 3.60 | 3.58 | 176.33 | 107.36 | -3.29 | 135.31 | 127.19 | 8.13 | 16.646 | | |
| 700.00 | 697.47 | 703.16 | 702.86 | 3.75 | 3.70 | 176.38 | 103.72 | -4.06 | 147.30 | 138.93 | 8.38 | 17.587 | | |
| 800.00 | 795.62 | 801.95 | 801.58 | 3.95 | 3.84 | 176.49 | 100.10 | -4.83 | 162.74 | 154.08 | 8.66 | 18.785 | | |
| 900.00 | 893.30 | 900.36 | 899.91 | 4.18 | 3.98 | 176.65 | 96.49 | -5.60 | 180.54 | 171.56 | 8.98 | 20.095 | | |
| 1,000.00 | 990.96 | 1,001.26 | 998.23 | 4.45 | 4.15 | 176.78 | 92.87 | -6.37 | 198.42 | 189.09 | 9.33 | 21.261 | | |
| 1,100.00 | 1,088.62 | 1,102.87 | 1,096.55 | 4.74 | 4.33 | 176.88 | 89.26 | -7.14 | 216.30 | 206.59 | 9.71 | 22.273 | | |
| 1,200.00 | 1,186.28 | 1,204.48 | 1,194.87 | 5.05 | 4.52 | 176.98 | 85.65 | -7.90 | 234.19 | 224.07 | 10.12 | 23.152 | | |
| 1,300.00 | 1,283.94 | 1,306.09 | 1,293.19 | 5.38 | 4.73 | 177.06 | 82.04 | -8.67 | 252.07 | 241.53 | 10.54 | 23.914 | | |
| 1,400.00 | 1,381.60 | 1,407.71 | 1,391.50 | 5.73 | 4.94 | 177.12 | 78.43 | -9.44 | 269.95 | 258.97 | 10.99 | 24.573 | | |
| 1,500.00 | 1,479.26 | 1,509.32 | 1,489.82 | 6.08 | 5.15 | 177.18 | 74.82 | -10.21 | 287.83 | 276.39 | 11.45 | 25.145 | | |
| 1,600.00 | 1,576.92 | 1,589.07 | 1,588.14 | 6.45 | 5.33 | 177.24 | 71.21 | -10.97 | 305.72 | 293.84 | 11.88 | 25.743 | | |
| 1,700.00 | 1,674.58 | 1,687.46 | 1,686.46 | 6.82 | 5.55 | 177.28 | 67.60 | -11.74 | 323.60 | 311.24 | 12.36 | 26.189 | | |
| 1,800.00 | 1,772.24 | 1,785.84 | 1,784.78 | 7.21 | 5.78 | 177.33 | 63.99 | -12.51 | 341.48 | 328.64 | 12.85 | 26.579 | | |
| 1,900.00 | 1,869.90 | 1,884.23 | 1,883.10 | 7.42 | 5.91 | 177.36 | 60.38 | -13.27 | 359.37 | 346.62 | 12.75 | 28.188 | | |
| 2,000.00 | 1,967.56 | 1,982.62 | 1,981.41 | 7.47 | 5.94 | 177.40 | 56.77 | -14.04 | 377.25 | 364.46 | 12.80 | 29.480 | | |
| 2,100.00 | 2,065.22 | 2,081.01 | 2,079.73 | 7.54 | 5.97 | 177.43 | 53.16 | -14.81 | 395.14 | 382.28 | 12.86 | 30.734 | | |
| 2,200.00 | 2,162.88 | 2,179.39 | 2,178.05 | 7.63 | 6.01 | 177.46 | 49.55 | -15.58 | 413.02 | 400.08 | 12.94 | 31.906 | | |
| 2,300.00 | 2,260.54 | 2,277.78 | 2,276.37 | 7.74 | 6.06 | 177.48 | 45.94 | -16.34 | 430.90 | 417.84 | 13.06 | 32.989 | | |
| 2,400.00 | 2,358.20 | 2,376.17 | 2,374.69 | 7.87 | 6.12 | 177.51 | 42.33 | -17.11 | 448.79 | 435.58 | 13.21 | 33.982 | | |
| 2,500.00 | 2,455.85 | 2,474.56 | 2,473.01 | 8.01 | 6.20 | 177.53 | 38.72 | -17.88 | 466.67 | 453.30 | 13.38 | 34.884 | | |
| 2,600.00 | 2,553.51 | 2,572.94 | 2,571.32 | 8.17 | 6.28 | 177.55 | 35.11 | -18.65 | 484.56 | 470.98 | 13.58 | 35.695 | | |
| 2,700.00 | 2,651.17 | 2,671.33 | 2,669.64 | 8.34 | 6.38 | 177.57 | 31.50 | -19.41 | 502.44 | 488.65 | 13.80 | 36.418 | | |
| 2,800.00 | 2,748.83 | 2,769.72 | 2,767.96 | 8.52 | 6.48 | 177.59 | 27.89 | -20.18 | 520.33 | 506.29 | 14.04 | 37.056 | | |
| 2,900.00 | 2,846.49 | 2,868.11 | 2,866.28 | 8.72 | 6.60 | 177.60 | 24.28 | -20.95 | 538.21 | 523.90 | 14.31 | 37.615 | | |
| 3,000.00 | 2,944.15 | 2,966.50 | 2,964.60 | 8.93 | 6.73 | 177.62 | 20.67 | -21.72 | 556.10 | 541.50 | 14.60 | 38.099 | | |
| 3,100.00 | 3,041.81 | 3,064.88 | 3,062.92 | 9.16 | 6.86 | 177.63 | 17.06 | -22.48 | 573.98 | 559.08 | 14.90 | 38.513 | | |
| 3,200.00 | 3,139.47 | 3,163.27 | 3,161.23 | 9.39 | 7.01 | 177.65 | 13.45 | -23.25 | 591.87 | 576.64 | 15.23 | 38.864 | | |
| 3,300.00 | 3,237.13 | 3,261.66 | 3,259.55 | 9.63 | 7.16 | 177.66 | 9.83 | -24.02 | 609.75 | 594.18 | 15.57 | 39.157 | | |
| 3,400.00 | 3,334.79 | 3,360.05 | 3,357.87 | 9.88 | 7.32 | 177.67 | 6.22 | -24.79 | 627.64 | 611.71 | 15.93 | 39.399 | | |
| 3,500.00 | 3,432.45 | 3,458.43 | 3,456.19 | 10.14 | 7.48 | 177.69 | 2.61 | -25.55 | 645.52 | 629.22 | 16.30 | 39.593 | | |
| 3,600.00 | 3,530.11 | 3,556.82 | 3,554.51 | 10.41 | 7.65 | 177.70 | -1.00 | -26.32 | 663.41 | 646.71 | 16.69 | 39.745 | | |
| 3,700.00 | 3,627.77 | 3,655.21 | 3,652.83 | 10.68 | 7.83 | 177.71 | -4.61 | -27.09 | 681.29 | 664.20 | 17.09 | 39.861 | | |
| 3,800.00 | 3,725.43 | 3,753.60 | 3,751.14 | 10.96 | 8.02 | 177.72 | -8.22 | -27.86 | 699.17 | 681.67 | 17.50 | 39.944 | | |
| 3,900.00 | 3,823.09 | 3,851.98 | 3,849.46 | 11.25 | 8.20 | 177.73 | -11.83 | -28.62 | 717.06 | 699.13 | 17.93 | 39.998 | | |
| 4,000.00 | 3,920.75 | 3,950.37 | 3,947.78 | 11.54 | 8.40 | 177.73 | -15.44 | -29.39 | 734.94 | 716.58 | 18.36 | 40.028 | | |
| 4,100.00 | 4,018.41 | 4,048.76 | 4,046.10 | 11.84 | 8.60 | 177.74 | -19.05 | -30.16 | 752.83 | 734.03 | 18.80 | 40.035 | | |
| 4,200.00 | 4,116.07 | 4,147.15 | 4,144.42 | 12.14 | 8.80 | 177.75 | -22.66 | -30.93 | 770.71 | 751.46 | 19.26 | 40.024 | | |
| 4,300.00 | 4,213.73 | 4,245.53 | 4,242.74 | 12.45 | 9.01 | 177.76 | -26.27 | -31.69 | 788.60 | 768.88 | 19.72 | 39.996 | | |
| 4,400.00 | 4,311.39 | 4,343.92 | 4,341.05 | 12.76 | 9.22 | 177.77 | -29.88 | -32.46 | 806.48 | 786.30 | 20.19 | 39.954 | | |
| 4,500.00 | 4,409.05 | 4,442.31 | 4,439.37 | 13.08 | 9.43 | 177.77 | -33.49 | -33.23 | 824.37 | 803.71 | 20.66 | 39.900 | | |
| 4,600.00 | 4,506.71 | 4,540.70 | 4,537.69 | 13.40 | 9.65 | 177.78 | -37.10 | -34.00 | 842.25 | 821.11 | 21.14 | 39.836 | | |
| 4,700.00 | 4,604.37 | 4,639.08 | 4,636.01 | 13.72 | 9.87 | 177.79 | -40.71 | -34.76 | 860.14 | 838.51 | 21.63 | 39.764 | | |
| 4,800.00 | 4,702.03 | 4,737.47 | 4,734.33 | 14.04 | 10.09 | 177.79 | -44.32 | -35.53 | 878.02 | 855.90 | 22.13 | 39.684 | | |
| 4,900.00 | 4,799.69 | 4,835.86 | 4,832.65 | 14.37 | 10.31 | 177.80 | -47.93 | -36.30 | 895.91 | 873.28 | 22.63 | 39.598 | | |
| 5,000.00 | 4,897.35 | 4,934.25 | 4,930.96 | 14.70 | 10.54 | 177.80 | -51.54 | -37.06 | 913.79 | 890.67 | 23.13 | 39.507 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 5,100.00 | 4,995.01 | 5,032.63 | 5,029.28 | 15.03 | 10.77 | 177.81 | -55.15 | -37.83 | 931.68 | 908.04 | 23.64 | 39.412 | |
| 5,200.00 | 5,092.67 | 5,131.02 | 5,127.60 | 15.37 | 11.01 | 177.81 | -58.76 | -38.60 | 949.57 | 925.41 | 24.15 | 39.314 | |
| 5,300.00 | 5,190.33 | 5,229.41 | 5,225.92 | 15.71 | 11.24 | 177.82 | -62.37 | -39.37 | 967.45 | 942.78 | 24.67 | 39.214 | |
| 5,400.00 | 5,287.99 | 5,327.80 | 5,324.24 | 16.05 | 11.48 | 177.82 | -65.98 | -40.13 | 985.34 | 960.14 | 25.19 | 39.111 | |
| 5,500.00 | 5,385.65 | 5,426.18 | 5,422.56 | 16.39 | 11.71 | 177.83 | -69.59 | -40.90 | 1,003.22 | 977.50 | 25.72 | 39.007 | |
| 5,600.00 | 5,483.31 | 5,524.57 | 5,520.87 | 16.73 | 11.95 | 177.83 | -73.20 | -41.67 | 1,021.11 | 994.86 | 26.25 | 38.902 | |
| 5,700.00 | 5,580.97 | 5,622.96 | 5,619.19 | 17.08 | 12.20 | 177.84 | -76.82 | -42.44 | 1,038.99 | 1,012.21 | 26.78 | 38.797 | |
| 5,800.00 | 5,678.63 | 5,721.35 | 5,717.51 | 17.42 | 12.44 | 177.84 | -80.43 | -43.20 | 1,056.88 | 1,029.56 | 27.32 | 38.691 | |
| 5,900.00 | 5,776.29 | 5,819.74 | 5,815.83 | 17.77 | 12.68 | 177.85 | -84.04 | -43.97 | 1,074.76 | 1,046.91 | 27.85 | 38.586 | |
| 6,000.00 | 5,873.95 | 5,918.12 | 5,914.15 | 18.12 | 12.93 | 177.85 | -87.65 | -44.74 | 1,092.65 | 1,064.25 | 28.39 | 38.480 | |
| 6,100.00 | 5,971.61 | 6,016.51 | 6,012.47 | 18.47 | 13.17 | 177.85 | -91.26 | -45.51 | 1,110.53 | 1,081.59 | 28.94 | 38.376 | |
| 6,200.00 | 6,069.26 | 6,114.90 | 6,110.78 | 18.82 | 13.42 | 177.86 | -94.87 | -46.27 | 1,128.42 | 1,098.93 | 29.48 | 38.272 | |
| 6,300.00 | 6,166.92 | 6,213.29 | 6,209.10 | 19.18 | 13.67 | 177.86 | -98.48 | -47.04 | 1,146.30 | 1,116.27 | 30.03 | 38.168 | |
| 6,400.00 | 6,264.58 | 6,311.67 | 6,307.42 | 19.53 | 13.92 | 177.86 | -102.09 | -47.81 | 1,164.19 | 1,133.60 | 30.58 | 38.066 | |
| 6,500.00 | 6,362.24 | 6,410.06 | 6,405.74 | 19.89 | 14.17 | 177.87 | -105.70 | -48.58 | 1,182.07 | 1,150.94 | 31.14 | 37.965 | |
| 6,600.00 | 6,459.90 | 6,508.45 | 6,504.06 | 20.24 | 14.43 | 177.87 | -109.31 | -49.34 | 1,199.96 | 1,168.27 | 31.69 | 37.865 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 26C-27-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7745-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.33 | 240.07 | -1.39 | 240.07 | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.33 | 240.07 | -1.39 | 240.07 | 232.54 | 7.53 | 31.887 | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.33 | 240.07 | -1.39 | 240.07 | 232.50 | 7.57 | 31.697 | CC, ES, SF | |
| 300.00 | 299.98 | 292.20 | 292.18 | 3.34 | 3.35 | 176.80 | 241.54 | -1.54 | 243.42 | 235.76 | 7.65 | 31.801 | | |
| 400.00 | 399.84 | 383.78 | 383.66 | 3.40 | 3.41 | 176.76 | 245.93 | -1.96 | 253.42 | 245.65 | 7.77 | 32.598 | | |
| 500.00 | 499.45 | 480.00 | 479.62 | 3.49 | 3.49 | 176.71 | 252.88 | -2.63 | 269.29 | 261.34 | 7.94 | 33.900 | | |
| 600.00 | 598.70 | 578.09 | 577.44 | 3.60 | 3.60 | 176.70 | 260.09 | -3.32 | 288.73 | 280.57 | 8.16 | 35.387 | | |
| 700.00 | 697.47 | 675.44 | 674.52 | 3.75 | 3.72 | 176.72 | 267.26 | -4.01 | 311.58 | 303.16 | 8.42 | 37.026 | | |
| 800.00 | 795.62 | 771.93 | 770.75 | 3.95 | 3.85 | 176.76 | 274.36 | -4.70 | 337.81 | 329.10 | 8.71 | 38.789 | | |
| 900.00 | 893.30 | 867.77 | 866.33 | 4.18 | 4.01 | 176.84 | 281.41 | -5.37 | 366.34 | 357.31 | 9.03 | 40.563 | | |
| 1,000.00 | 990.96 | 963.59 | 961.89 | 4.45 | 4.17 | 176.91 | 288.46 | -6.05 | 394.95 | 385.58 | 9.37 | 42.145 | | |
| 1,100.00 | 1,088.62 | 1,059.41 | 1,057.44 | 4.74 | 4.35 | 176.98 | 295.52 | -6.73 | 423.56 | 413.82 | 9.74 | 43.495 | | |
| 1,200.00 | 1,186.28 | 1,155.23 | 1,153.00 | 5.05 | 4.54 | 177.03 | 302.57 | -7.41 | 452.17 | 442.04 | 10.13 | 44.642 | | |
| 1,300.00 | 1,283.94 | 1,251.05 | 1,248.56 | 5.38 | 4.73 | 177.08 | 309.62 | -8.09 | 480.78 | 470.24 | 10.54 | 45.613 | | |
| 1,400.00 | 1,381.60 | 1,346.87 | 1,344.11 | 5.73 | 4.94 | 177.12 | 316.67 | -8.77 | 509.39 | 498.42 | 10.97 | 46.434 | | |
| 1,500.00 | 1,479.26 | 1,442.69 | 1,439.67 | 6.08 | 5.15 | 177.16 | 323.72 | -9.45 | 538.00 | 526.58 | 11.42 | 47.126 | | |
| 1,600.00 | 1,576.92 | 1,538.50 | 1,535.23 | 6.45 | 5.37 | 177.20 | 330.77 | -10.13 | 566.61 | 554.73 | 11.88 | 47.710 | | |
| 1,700.00 | 1,674.58 | 1,634.32 | 1,630.79 | 6.82 | 5.59 | 177.23 | 337.83 | -10.81 | 595.22 | 582.87 | 12.35 | 48.201 | | |
| 1,800.00 | 1,772.24 | 1,730.14 | 1,726.34 | 7.21 | 5.82 | 177.26 | 344.88 | -11.49 | 623.83 | 611.00 | 12.83 | 48.616 | | |
| 1,900.00 | 1,869.90 | 1,825.96 | 1,821.90 | 7.42 | 6.05 | 177.28 | 351.93 | -12.16 | 652.44 | 639.61 | 12.83 | 50.847 | | |
| 2,000.00 | 1,967.56 | 1,921.78 | 1,917.46 | 7.47 | 6.28 | 177.31 | 358.98 | -12.84 | 681.06 | 667.98 | 13.08 | 52.064 | | |
| 2,100.00 | 2,065.22 | 2,017.60 | 2,013.01 | 7.54 | 6.52 | 177.33 | 366.03 | -13.52 | 709.67 | 696.32 | 13.35 | 53.157 | | |
| 2,200.00 | 2,162.88 | 2,113.42 | 2,108.57 | 7.63 | 6.77 | 177.35 | 373.09 | -14.20 | 738.28 | 724.64 | 13.64 | 54.131 | | |
| 2,300.00 | 2,260.54 | 2,209.24 | 2,204.13 | 7.74 | 7.01 | 177.37 | 380.14 | -14.88 | 766.89 | 752.95 | 13.95 | 54.992 | | |
| 2,400.00 | 2,358.20 | 2,305.06 | 2,299.68 | 7.87 | 7.26 | 177.38 | 387.19 | -15.56 | 795.50 | 781.23 | 14.27 | 55.748 | | |
| 2,500.00 | 2,455.85 | 2,400.88 | 2,395.24 | 8.01 | 7.51 | 177.40 | 394.24 | -16.24 | 824.12 | 809.50 | 14.61 | 56.405 | | |
| 2,600.00 | 2,553.51 | 2,503.30 | 2,490.80 | 8.17 | 7.78 | 177.42 | 401.29 | -16.92 | 852.73 | 837.74 | 14.98 | 56.907 | | |
| 2,700.00 | 2,651.17 | 2,607.48 | 2,586.35 | 8.34 | 8.05 | 177.43 | 408.34 | -17.60 | 881.34 | 865.96 | 15.38 | 57.310 | | |
| 2,800.00 | 2,748.83 | 2,688.33 | 2,681.91 | 8.52 | 8.27 | 177.44 | 415.40 | -18.28 | 909.95 | 894.23 | 15.73 | 57.862 | | |
| 2,900.00 | 2,846.49 | 2,784.15 | 2,777.47 | 8.72 | 8.53 | 177.45 | 422.45 | -18.95 | 938.56 | 922.44 | 16.13 | 58.202 | | |
| 3,000.00 | 2,944.15 | 2,879.97 | 2,873.02 | 8.93 | 8.78 | 177.47 | 429.50 | -19.63 | 967.18 | 950.64 | 16.54 | 58.482 | | |
| 3,100.00 | 3,041.81 | 2,975.79 | 2,968.58 | 9.16 | 9.04 | 177.48 | 436.55 | -20.31 | 995.79 | 978.83 | 16.96 | 58.707 | | |
| 3,200.00 | 3,139.47 | 3,071.61 | 3,064.14 | 9.39 | 9.30 | 177.49 | 443.60 | -20.99 | 1,024.40 | 1,007.00 | 17.40 | 58.885 | | |
| 3,300.00 | 3,237.13 | 3,167.43 | 3,159.70 | 9.63 | 9.57 | 177.50 | 450.65 | -21.67 | 1,053.01 | 1,035.17 | 17.84 | 59.020 | | |
| 3,400.00 | 3,334.79 | 3,263.25 | 3,255.25 | 9.88 | 9.83 | 177.51 | 457.71 | -22.35 | 1,081.62 | 1,063.33 | 18.30 | 59.119 | | |
| 3,500.00 | 3,432.45 | 3,359.07 | 3,350.81 | 10.14 | 10.09 | 177.52 | 464.76 | -23.03 | 1,110.24 | 1,091.48 | 18.76 | 59.185 | | |
| 3,600.00 | 3,530.11 | 3,454.89 | 3,446.37 | 10.41 | 10.36 | 177.52 | 471.81 | -23.71 | 1,138.85 | 1,119.62 | 19.23 | 59.222 | | |
| 3,700.00 | 3,627.77 | 3,550.71 | 3,541.92 | 10.68 | 10.62 | 177.53 | 478.86 | -24.39 | 1,167.46 | 1,147.75 | 19.71 | 59.236 | | |
| 3,800.00 | 3,725.43 | 3,646.53 | 3,637.48 | 10.96 | 10.89 | 177.54 | 485.91 | -25.07 | 1,196.07 | 1,175.88 | 20.19 | 59.228 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|------------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.36 | 220.03 | -1.39 | 220.03 | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.36 | 220.03 | -1.39 | 220.03 | 212.51 | 7.53 | 29.225 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.36 | 220.03 | -1.39 | 220.03 | 212.46 | 7.57 | 29.052 | CC, ES, SF |
| 300.00 | 299.98 | 292.80 | 292.78 | 3.34 | 3.35 | 176.77 | 221.52 | -1.55 | 223.39 | 215.73 | 7.65 | 29.183 | |
| 400.00 | 399.84 | 384.98 | 384.85 | 3.40 | 3.41 | 176.72 | 225.97 | -2.02 | 233.42 | 225.65 | 7.78 | 30.022 | |
| 500.00 | 499.45 | 481.88 | 481.50 | 3.49 | 3.50 | 176.65 | 232.85 | -2.74 | 249.18 | 241.24 | 7.95 | 31.361 | |
| 600.00 | 598.70 | 580.00 | 579.36 | 3.60 | 3.60 | 176.63 | 239.92 | -3.48 | 268.47 | 260.30 | 8.16 | 32.894 | |
| 700.00 | 697.47 | 677.38 | 676.49 | 3.75 | 3.72 | 176.65 | 246.92 | -4.22 | 291.16 | 282.74 | 8.42 | 34.589 | |
| 800.00 | 795.62 | 773.92 | 772.78 | 3.95 | 3.86 | 176.70 | 253.87 | -4.95 | 317.23 | 308.51 | 8.71 | 36.415 | |
| 900.00 | 893.30 | 869.81 | 868.41 | 4.18 | 4.01 | 176.78 | 260.77 | -5.68 | 345.60 | 336.57 | 9.03 | 38.254 | |
| 1,000.00 | 990.96 | 965.67 | 964.03 | 4.45 | 4.17 | 176.85 | 267.67 | -6.40 | 374.06 | 364.68 | 9.37 | 39.902 | |
| 1,100.00 | 1,088.62 | 1,061.54 | 1,059.64 | 4.74 | 4.35 | 176.91 | 274.57 | -7.13 | 402.51 | 392.77 | 9.74 | 41.319 | |
| 1,200.00 | 1,186.28 | 1,157.40 | 1,155.26 | 5.05 | 4.54 | 176.97 | 281.47 | -7.85 | 430.96 | 420.83 | 10.13 | 42.533 | |
| 1,300.00 | 1,283.94 | 1,253.27 | 1,250.87 | 5.38 | 4.73 | 177.02 | 288.37 | -8.58 | 459.42 | 448.87 | 10.54 | 43.570 | |
| 1,400.00 | 1,381.60 | 1,349.14 | 1,346.49 | 5.73 | 4.94 | 177.06 | 295.27 | -9.30 | 487.87 | 476.90 | 10.97 | 44.456 | |
| 1,500.00 | 1,479.26 | 1,445.00 | 1,442.10 | 6.08 | 5.15 | 177.10 | 302.17 | -10.03 | 516.33 | 504.91 | 11.42 | 45.211 | |
| 1,600.00 | 1,576.92 | 1,540.87 | 1,537.71 | 6.45 | 5.37 | 177.13 | 309.07 | -10.75 | 544.78 | 532.90 | 11.88 | 45.855 | |
| 1,700.00 | 1,674.58 | 1,636.73 | 1,633.33 | 6.82 | 5.59 | 177.17 | 315.97 | -11.48 | 573.24 | 560.88 | 12.35 | 46.405 | |
| 1,800.00 | 1,772.24 | 1,732.60 | 1,728.94 | 7.21 | 5.82 | 177.19 | 322.87 | -12.20 | 601.69 | 588.86 | 12.84 | 46.874 | |
| 1,900.00 | 1,869.90 | 1,828.46 | 1,824.56 | 7.42 | 6.01 | 177.22 | 329.77 | -12.93 | 630.15 | 617.34 | 12.80 | 49.220 | |
| 2,000.00 | 1,967.56 | 1,924.33 | 1,920.17 | 7.47 | 6.11 | 177.24 | 336.67 | -13.65 | 658.60 | 645.69 | 12.91 | 51.002 | |
| 2,100.00 | 2,065.22 | 2,020.20 | 2,015.79 | 7.54 | 6.13 | 177.26 | 343.57 | -14.38 | 687.06 | 674.09 | 12.97 | 52.987 | |
| 2,200.00 | 2,162.88 | 2,116.06 | 2,111.40 | 7.63 | 6.16 | 177.28 | 350.47 | -15.10 | 715.51 | 702.46 | 13.05 | 54.838 | |
| 2,300.00 | 2,260.54 | 2,211.93 | 2,207.02 | 7.74 | 6.20 | 177.30 | 357.37 | -15.83 | 743.97 | 730.81 | 13.16 | 56.546 | |
| 2,400.00 | 2,358.20 | 2,307.79 | 2,302.63 | 7.87 | 6.26 | 177.32 | 364.27 | -16.55 | 772.42 | 759.13 | 13.29 | 58.109 | |
| 2,500.00 | 2,455.85 | 2,403.66 | 2,398.24 | 8.01 | 6.32 | 177.33 | 371.17 | -17.28 | 800.88 | 787.42 | 13.45 | 59.526 | |
| 2,600.00 | 2,553.51 | 2,500.48 | 2,493.86 | 8.17 | 6.40 | 177.35 | 378.07 | -18.00 | 829.33 | 815.69 | 13.64 | 60.793 | |
| 2,700.00 | 2,651.17 | 2,595.39 | 2,589.47 | 8.34 | 6.49 | 177.36 | 384.97 | -18.73 | 857.79 | 843.94 | 13.85 | 61.923 | |
| 2,800.00 | 2,748.83 | 2,708.74 | 2,685.09 | 8.52 | 6.60 | 177.37 | 391.87 | -19.45 | 886.25 | 872.14 | 14.10 | 62.833 | |
| 2,900.00 | 2,846.49 | 2,787.12 | 2,780.70 | 8.72 | 6.69 | 177.39 | 398.77 | -20.18 | 914.70 | 900.36 | 14.34 | 63.777 | |
| 3,000.00 | 2,944.15 | 2,882.99 | 2,876.32 | 8.93 | 6.81 | 177.40 | 405.66 | -20.90 | 943.16 | 928.54 | 14.62 | 64.519 | |
| 3,100.00 | 3,041.81 | 2,978.85 | 2,971.93 | 9.16 | 6.93 | 177.41 | 412.56 | -21.63 | 971.61 | 956.70 | 14.91 | 65.149 | |
| 3,200.00 | 3,139.47 | 3,074.72 | 3,067.54 | 9.39 | 7.06 | 177.42 | 419.46 | -22.35 | 1,000.07 | 984.84 | 15.23 | 65.676 | |
| 3,300.00 | 3,237.13 | 3,170.59 | 3,163.16 | 9.63 | 7.21 | 177.43 | 426.36 | -23.08 | 1,028.52 | 1,012.97 | 15.56 | 66.110 | |
| 3,400.00 | 3,334.79 | 3,266.45 | 3,258.77 | 9.88 | 7.35 | 177.44 | 433.26 | -23.80 | 1,056.98 | 1,041.08 | 15.90 | 66.459 | |
| 3,500.00 | 3,432.45 | 3,362.32 | 3,354.39 | 10.14 | 7.51 | 177.45 | 440.16 | -24.53 | 1,085.44 | 1,069.17 | 16.27 | 66.732 | |
| 3,600.00 | 3,530.11 | 3,458.18 | 3,450.00 | 10.41 | 7.67 | 177.45 | 447.06 | -25.26 | 1,113.89 | 1,097.25 | 16.64 | 66.937 | |
| 3,700.00 | 3,627.77 | 3,554.05 | 3,545.62 | 10.68 | 7.83 | 177.46 | 453.96 | -25.98 | 1,142.35 | 1,125.32 | 17.03 | 67.082 | |
| 3,800.00 | 3,725.43 | 3,649.91 | 3,641.23 | 10.96 | 8.01 | 177.47 | 460.86 | -26.71 | 1,170.80 | 1,153.38 | 17.43 | 67.174 | |
| 3,900.00 | 3,823.09 | 3,745.78 | 3,736.85 | 11.25 | 8.18 | 177.47 | 467.76 | -27.43 | 1,199.26 | 1,181.42 | 17.84 | 67.220 | |

Hewlett-Packard
Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 26N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|------------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7664-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.32 | 199.99 | -1.11 | 200.00 | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.32 | 199.99 | -1.11 | 200.00 | 192.47 | 7.53 | 26.564 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.32 | 199.99 | -1.11 | 200.00 | 192.42 | 7.57 | 26.406 | CC, ES, SF |
| 300.00 | 299.98 | 293.45 | 293.43 | 3.34 | 3.35 | 176.78 | 201.50 | -1.37 | 203.35 | 195.69 | 7.66 | 26.564 | |
| 400.00 | 399.84 | 409.77 | 390.12 | 3.40 | 3.43 | 176.67 | 205.65 | -2.06 | 212.85 | 205.05 | 7.80 | 27.305 | |
| 500.00 | 499.45 | 489.34 | 489.13 | 3.49 | 3.50 | 176.60 | 210.17 | -2.82 | 226.09 | 218.13 | 7.95 | 28.429 | |
| 600.00 | 598.70 | 587.93 | 587.61 | 3.60 | 3.60 | 176.58 | 214.66 | -3.57 | 242.77 | 234.60 | 8.17 | 29.723 | |
| 700.00 | 697.47 | 685.89 | 685.46 | 3.75 | 3.72 | 176.60 | 219.13 | -4.32 | 262.88 | 254.46 | 8.42 | 31.208 | |
| 800.00 | 795.62 | 783.08 | 782.55 | 3.95 | 3.86 | 176.66 | 223.56 | -5.06 | 286.39 | 277.68 | 8.72 | 32.854 | |
| 900.00 | 893.30 | 879.68 | 879.05 | 4.18 | 4.00 | 176.74 | 227.97 | -5.80 | 312.23 | 303.19 | 9.04 | 34.537 | |
| 1,000.00 | 990.96 | 976.27 | 975.53 | 4.45 | 4.17 | 176.83 | 232.37 | -6.53 | 338.14 | 328.76 | 9.38 | 36.042 | |
| 1,100.00 | 1,088.62 | 1,072.85 | 1,072.01 | 4.74 | 4.34 | 176.90 | 236.78 | -7.27 | 364.05 | 354.30 | 9.75 | 37.338 | |
| 1,200.00 | 1,186.28 | 1,169.43 | 1,168.49 | 5.05 | 4.52 | 176.96 | 241.18 | -8.01 | 389.96 | 379.82 | 10.14 | 38.449 | |
| 1,300.00 | 1,283.94 | 1,266.02 | 1,264.97 | 5.38 | 4.71 | 177.01 | 245.58 | -8.74 | 415.87 | 405.32 | 10.56 | 39.400 | |
| 1,400.00 | 1,381.60 | 1,362.60 | 1,361.45 | 5.73 | 4.91 | 177.06 | 249.99 | -9.48 | 441.78 | 430.80 | 10.99 | 40.214 | |
| 1,500.00 | 1,479.26 | 1,459.18 | 1,457.93 | 6.08 | 5.11 | 177.10 | 254.39 | -10.22 | 467.70 | 456.26 | 11.43 | 40.908 | |
| 1,600.00 | 1,576.92 | 1,555.77 | 1,554.41 | 6.45 | 5.32 | 177.14 | 258.80 | -10.95 | 493.61 | 481.72 | 11.89 | 41.501 | |
| 1,700.00 | 1,674.58 | 1,652.35 | 1,650.89 | 6.82 | 5.54 | 177.17 | 263.20 | -11.69 | 519.52 | 507.15 | 12.37 | 42.009 | |
| 1,800.00 | 1,772.24 | 1,748.94 | 1,747.37 | 7.21 | 5.76 | 177.20 | 267.61 | -12.43 | 545.43 | 532.58 | 12.85 | 42.443 | |
| 1,900.00 | 1,869.90 | 1,845.52 | 1,843.86 | 7.42 | 5.98 | 177.23 | 272.01 | -13.17 | 571.35 | 558.50 | 12.85 | 44.471 | |
| 2,000.00 | 1,967.56 | 1,942.10 | 1,940.34 | 7.47 | 6.21 | 177.25 | 276.41 | -13.90 | 597.26 | 584.17 | 13.09 | 45.610 | |
| 2,100.00 | 2,065.22 | 2,038.69 | 2,036.82 | 7.54 | 6.44 | 177.28 | 280.82 | -14.64 | 623.17 | 609.81 | 13.36 | 46.639 | |
| 2,200.00 | 2,162.88 | 2,135.27 | 2,133.30 | 7.63 | 6.68 | 177.30 | 285.22 | -15.38 | 649.09 | 635.44 | 13.65 | 47.560 | |
| 2,300.00 | 2,260.54 | 2,231.86 | 2,229.78 | 7.74 | 6.91 | 177.32 | 289.63 | -16.11 | 675.00 | 661.05 | 13.95 | 48.380 | |
| 2,400.00 | 2,358.20 | 2,328.44 | 2,326.26 | 7.87 | 7.15 | 177.34 | 294.03 | -16.85 | 700.91 | 686.64 | 14.27 | 49.103 | |
| 2,500.00 | 2,455.85 | 2,425.02 | 2,422.74 | 8.01 | 7.39 | 177.35 | 298.44 | -17.59 | 726.83 | 712.21 | 14.61 | 49.737 | |
| 2,600.00 | 2,553.51 | 2,521.61 | 2,519.22 | 8.17 | 7.64 | 177.37 | 302.84 | -18.33 | 752.74 | 737.77 | 14.97 | 50.288 | |
| 2,700.00 | 2,651.17 | 2,618.19 | 2,615.70 | 8.34 | 7.88 | 177.38 | 307.24 | -19.06 | 778.65 | 763.32 | 15.34 | 50.764 | |
| 2,800.00 | 2,748.83 | 2,714.78 | 2,712.18 | 8.52 | 8.13 | 177.40 | 311.65 | -19.80 | 804.57 | 788.84 | 15.72 | 51.170 | |
| 2,900.00 | 2,846.49 | 2,811.36 | 2,808.66 | 8.72 | 8.38 | 177.41 | 316.05 | -20.54 | 830.48 | 814.36 | 16.12 | 51.513 | |
| 3,000.00 | 2,944.15 | 2,907.94 | 2,905.14 | 8.93 | 8.63 | 177.42 | 320.46 | -21.27 | 856.40 | 839.86 | 16.53 | 51.801 | |
| 3,100.00 | 3,041.81 | 3,004.53 | 3,001.62 | 9.16 | 8.88 | 177.44 | 324.86 | -22.01 | 882.31 | 865.35 | 16.95 | 52.039 | |
| 3,200.00 | 3,139.47 | 3,101.11 | 3,098.10 | 9.39 | 9.13 | 177.45 | 329.27 | -22.75 | 908.22 | 890.83 | 17.39 | 52.232 | |
| 3,300.00 | 3,237.13 | 3,202.31 | 3,194.58 | 9.63 | 9.40 | 177.46 | 333.67 | -23.48 | 934.14 | 916.29 | 17.84 | 52.350 | |
| 3,400.00 | 3,334.79 | 3,305.72 | 3,291.06 | 9.88 | 9.67 | 177.47 | 338.07 | -24.22 | 960.05 | 941.74 | 18.32 | 52.419 | |
| 3,500.00 | 3,432.45 | 3,409.14 | 3,387.54 | 10.14 | 9.94 | 177.47 | 342.48 | -24.96 | 985.96 | 967.17 | 18.80 | 52.459 | |
| 3,600.00 | 3,530.11 | 3,487.45 | 3,484.03 | 10.41 | 10.15 | 177.48 | 346.88 | -25.70 | 1,011.88 | 992.66 | 19.22 | 52.655 | |
| 3,700.00 | 3,627.77 | 3,584.03 | 3,580.51 | 10.68 | 10.41 | 177.49 | 351.29 | -26.43 | 1,037.79 | 1,018.10 | 19.69 | 52.694 | |
| 3,800.00 | 3,725.43 | 3,680.61 | 3,676.99 | 10.96 | 10.66 | 177.50 | 355.69 | -27.17 | 1,063.71 | 1,043.53 | 20.18 | 52.712 | |
| 3,900.00 | 3,823.09 | 3,777.20 | 3,773.47 | 11.25 | 10.92 | 177.51 | 360.10 | -27.91 | 1,089.62 | 1,068.95 | 20.67 | 52.713 | |
| 4,000.00 | 3,920.75 | 3,873.78 | 3,869.95 | 11.54 | 11.18 | 177.51 | 364.50 | -28.64 | 1,115.53 | 1,094.37 | 21.17 | 52.699 | |
| 4,100.00 | 4,018.41 | 3,970.37 | 3,966.43 | 11.84 | 11.44 | 177.52 | 368.90 | -29.38 | 1,141.45 | 1,119.78 | 21.67 | 52.672 | |
| 4,200.00 | 4,116.07 | 4,066.95 | 4,062.91 | 12.14 | 11.70 | 177.53 | 373.31 | -30.12 | 1,167.36 | 1,145.18 | 22.18 | 52.634 | |
| 4,300.00 | 4,213.73 | 4,163.53 | 4,159.39 | 12.45 | 11.96 | 177.53 | 377.71 | -30.85 | 1,193.28 | 1,170.58 | 22.69 | 52.587 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7781-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 33.93 | 221.12 | 148.78 | 266.51 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 33.93 | 221.12 | 148.78 | 266.51 | 258.99 | 7.53 | 35.399 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 33.93 | 221.12 | 148.78 | 266.51 | 258.94 | 7.57 | 35.190 CC, ES | |
| 300.00 | 299.98 | 292.06 | 292.04 | 3.34 | 3.34 | -148.88 | 221.61 | 150.17 | 269.28 | 261.63 | 7.65 | 35.189 SF | |
| 400.00 | 399.84 | 384.62 | 384.50 | 3.40 | 3.40 | -148.76 | 223.09 | 154.39 | 277.63 | 269.86 | 7.77 | 35.732 | |
| 500.00 | 499.45 | 476.35 | 475.92 | 3.49 | 3.48 | -148.56 | 225.54 | 161.34 | 291.50 | 283.57 | 7.93 | 36.754 | |
| 600.00 | 598.70 | 566.82 | 565.82 | 3.60 | 3.59 | -148.30 | 228.89 | 170.90 | 310.83 | 302.69 | 8.14 | 38.201 | |
| 700.00 | 697.47 | 663.49 | 661.67 | 3.75 | 3.72 | -148.14 | 233.05 | 182.73 | 334.45 | 326.04 | 8.40 | 39.803 | |
| 800.00 | 795.62 | 759.88 | 757.25 | 3.95 | 3.87 | -148.23 | 237.19 | 194.52 | 360.95 | 352.23 | 8.72 | 41.400 | |
| 900.00 | 893.30 | 855.69 | 852.25 | 4.18 | 4.04 | -148.68 | 241.30 | 206.24 | 389.43 | 380.36 | 9.07 | 42.940 | |
| 1,000.00 | 990.96 | 951.47 | 947.22 | 4.45 | 4.24 | -149.14 | 245.42 | 217.96 | 418.00 | 408.56 | 9.45 | 44.252 | |
| 1,100.00 | 1,088.62 | 1,047.25 | 1,042.19 | 4.74 | 4.44 | -149.53 | 249.53 | 229.67 | 446.60 | 436.75 | 9.85 | 45.319 | |
| 1,200.00 | 1,186.28 | 1,143.03 | 1,137.17 | 5.05 | 4.66 | -149.88 | 253.65 | 241.39 | 475.21 | 464.92 | 10.29 | 46.180 | |
| 1,300.00 | 1,283.94 | 1,238.81 | 1,232.14 | 5.38 | 4.90 | -150.19 | 257.76 | 253.11 | 503.84 | 493.09 | 10.75 | 46.867 | |
| 1,400.00 | 1,381.60 | 1,334.59 | 1,327.11 | 5.73 | 5.14 | -150.47 | 261.88 | 264.83 | 532.48 | 521.25 | 11.23 | 47.414 | |
| 1,500.00 | 1,479.26 | 1,430.38 | 1,422.09 | 6.08 | 5.39 | -150.71 | 265.99 | 276.54 | 561.13 | 549.40 | 11.73 | 47.846 | |
| 1,600.00 | 1,576.92 | 1,526.16 | 1,517.06 | 6.45 | 5.64 | -150.94 | 270.11 | 288.26 | 589.78 | 577.54 | 12.24 | 48.181 | |
| 1,700.00 | 1,674.58 | 1,621.94 | 1,612.03 | 6.82 | 5.91 | -151.14 | 274.22 | 299.98 | 618.45 | 605.68 | 12.77 | 48.439 | |
| 1,800.00 | 1,772.24 | 1,717.72 | 1,707.00 | 7.21 | 6.18 | -151.33 | 278.34 | 311.70 | 647.12 | 633.81 | 13.31 | 48.634 | |
| 1,900.00 | 1,869.90 | 1,813.50 | 1,801.98 | 7.42 | 6.45 | -151.49 | 282.45 | 323.41 | 675.80 | 662.45 | 13.35 | 50.620 | |
| 2,000.00 | 1,967.56 | 1,909.28 | 1,896.95 | 7.47 | 6.73 | -151.65 | 286.57 | 335.13 | 704.48 | 690.84 | 13.64 | 51.648 | |
| 2,100.00 | 2,065.22 | 2,005.07 | 1,991.92 | 7.54 | 7.01 | -151.79 | 290.68 | 346.85 | 733.17 | 719.22 | 13.95 | 52.555 | |
| 2,200.00 | 2,162.88 | 2,100.85 | 2,086.90 | 7.63 | 7.30 | -151.93 | 294.80 | 358.57 | 761.86 | 747.58 | 14.28 | 53.350 | |
| 2,300.00 | 2,260.54 | 2,203.37 | 2,181.87 | 7.74 | 7.61 | -152.05 | 298.91 | 370.28 | 790.55 | 775.90 | 14.65 | 53.967 | |
| 2,400.00 | 2,358.20 | 2,307.59 | 2,276.84 | 7.87 | 7.92 | -152.16 | 303.03 | 382.00 | 819.25 | 804.21 | 15.04 | 54.471 | |
| 2,500.00 | 2,455.85 | 2,388.19 | 2,371.82 | 8.01 | 8.17 | -152.27 | 307.14 | 393.72 | 847.95 | 832.57 | 15.38 | 55.130 | |
| 2,600.00 | 2,553.51 | 2,483.97 | 2,466.79 | 8.17 | 8.47 | -152.37 | 311.26 | 405.44 | 876.65 | 860.87 | 15.78 | 55.550 | |
| 2,700.00 | 2,651.17 | 2,579.76 | 2,561.76 | 8.34 | 8.76 | -152.46 | 315.37 | 417.15 | 905.35 | 889.16 | 16.20 | 55.896 | |
| 2,800.00 | 2,748.83 | 2,675.54 | 2,656.74 | 8.52 | 9.06 | -152.55 | 319.49 | 428.87 | 934.06 | 917.43 | 16.63 | 56.176 | |
| 2,900.00 | 2,846.49 | 2,771.32 | 2,751.71 | 8.72 | 9.36 | -152.63 | 323.60 | 440.59 | 962.77 | 945.70 | 17.07 | 56.398 | |
| 3,000.00 | 2,944.15 | 2,867.10 | 2,846.68 | 8.93 | 9.67 | -152.71 | 327.72 | 452.31 | 991.48 | 973.95 | 17.53 | 56.568 | |
| 3,100.00 | 3,041.81 | 2,962.88 | 2,941.65 | 9.16 | 9.97 | -152.78 | 331.83 | 464.03 | 1,020.19 | 1,002.20 | 18.00 | 56.692 | |
| 3,200.00 | 3,139.47 | 3,058.66 | 3,036.63 | 9.39 | 10.27 | -152.85 | 335.95 | 475.74 | 1,048.90 | 1,030.43 | 18.47 | 56.776 | |
| 3,300.00 | 3,237.13 | 3,154.44 | 3,131.60 | 9.63 | 10.58 | -152.92 | 340.06 | 487.46 | 1,077.62 | 1,058.66 | 18.96 | 56.826 | |
| 3,400.00 | 3,334.79 | 3,250.23 | 3,226.57 | 9.88 | 10.89 | -152.98 | 344.18 | 499.18 | 1,106.33 | 1,086.87 | 19.46 | 56.845 | |
| 3,500.00 | 3,432.45 | 3,346.01 | 3,321.55 | 10.14 | 11.19 | -153.04 | 348.29 | 510.90 | 1,135.05 | 1,115.08 | 19.97 | 56.839 | |
| 3,600.00 | 3,530.11 | 3,441.79 | 3,416.52 | 10.41 | 11.50 | -153.09 | 352.41 | 522.61 | 1,163.77 | 1,143.28 | 20.49 | 56.810 | |
| 3,700.00 | 3,627.77 | 3,537.57 | 3,511.49 | 10.68 | 11.81 | -153.15 | 356.52 | 534.33 | 1,192.49 | 1,171.48 | 21.01 | 56.763 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 30N-30A-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|------------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 36.50 | 201.09 | 148.78 | 250.14 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 36.50 | 201.09 | 148.78 | 250.14 | 242.62 | 7.53 | 33.224 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 36.50 | 201.09 | 148.78 | 250.14 | 242.57 | 7.57 | 33.029 | CC, ES, SF |
| 300.00 | 299.98 | 292.36 | 292.34 | 3.34 | 3.34 | -146.33 | 201.55 | 150.19 | 252.90 | 245.24 | 7.65 | 33.047 | |
| 400.00 | 399.84 | 385.23 | 385.10 | 3.40 | 3.40 | -146.26 | 202.94 | 154.47 | 261.19 | 253.42 | 7.77 | 33.617 | |
| 500.00 | 499.45 | 477.27 | 476.84 | 3.49 | 3.49 | -146.14 | 205.23 | 161.53 | 274.98 | 267.05 | 7.93 | 34.671 | |
| 600.00 | 598.70 | 568.07 | 567.06 | 3.60 | 3.59 | -145.97 | 208.39 | 171.23 | 294.18 | 286.04 | 8.14 | 36.152 | |
| 700.00 | 697.47 | 663.52 | 661.64 | 3.75 | 3.72 | -145.87 | 212.35 | 183.43 | 317.96 | 309.56 | 8.40 | 37.846 | |
| 800.00 | 795.62 | 759.86 | 757.10 | 3.95 | 3.87 | -146.04 | 216.37 | 195.80 | 344.61 | 335.89 | 8.72 | 39.524 | |
| 900.00 | 893.30 | 855.61 | 851.97 | 4.18 | 4.05 | -146.59 | 220.36 | 208.09 | 373.20 | 364.13 | 9.07 | 41.134 | |
| 1,000.00 | 990.96 | 951.34 | 946.83 | 4.45 | 4.24 | -147.13 | 224.36 | 220.39 | 401.90 | 392.44 | 9.45 | 42.514 | |
| 1,100.00 | 1,088.62 | 1,047.07 | 1,041.68 | 4.74 | 4.46 | -147.59 | 228.35 | 232.68 | 430.62 | 420.75 | 9.87 | 43.646 | |
| 1,200.00 | 1,186.28 | 1,142.81 | 1,136.54 | 5.05 | 4.68 | -148.00 | 232.35 | 244.97 | 459.36 | 449.05 | 10.31 | 44.570 | |
| 1,300.00 | 1,283.94 | 1,238.54 | 1,231.39 | 5.38 | 4.91 | -148.37 | 236.34 | 257.27 | 488.12 | 477.35 | 10.77 | 45.319 | |
| 1,400.00 | 1,381.60 | 1,334.27 | 1,326.25 | 5.73 | 5.16 | -148.69 | 240.34 | 269.56 | 516.90 | 505.64 | 11.26 | 45.923 | |
| 1,500.00 | 1,479.26 | 1,430.00 | 1,421.10 | 6.08 | 5.41 | -148.97 | 244.33 | 281.85 | 545.69 | 533.93 | 11.76 | 46.410 | |
| 1,600.00 | 1,576.92 | 1,525.73 | 1,515.96 | 6.45 | 5.68 | -149.23 | 248.33 | 294.15 | 574.49 | 562.22 | 12.28 | 46.796 | |
| 1,700.00 | 1,674.58 | 1,621.46 | 1,610.81 | 6.82 | 5.94 | -149.46 | 252.32 | 306.44 | 603.30 | 590.50 | 12.81 | 47.103 | |
| 1,800.00 | 1,772.24 | 1,717.20 | 1,705.67 | 7.21 | 6.22 | -149.68 | 256.31 | 318.73 | 632.12 | 618.77 | 13.35 | 47.345 | |
| 1,900.00 | 1,869.90 | 1,812.93 | 1,800.53 | 7.42 | 6.48 | -149.87 | 260.31 | 331.03 | 660.95 | 647.57 | 13.38 | 49.387 | |
| 2,000.00 | 1,967.56 | 1,908.66 | 1,895.38 | 7.47 | 6.63 | -150.05 | 264.30 | 343.32 | 689.79 | 676.24 | 13.55 | 50.911 | |
| 2,100.00 | 2,065.22 | 2,004.39 | 1,990.24 | 7.54 | 6.65 | -150.21 | 268.30 | 355.61 | 718.63 | 705.02 | 13.61 | 52.817 | |
| 2,200.00 | 2,162.88 | 2,100.12 | 2,085.09 | 7.63 | 6.69 | -150.36 | 272.29 | 367.91 | 747.47 | 733.77 | 13.70 | 54.546 | |
| 2,300.00 | 2,260.54 | 2,204.15 | 2,179.95 | 7.74 | 6.75 | -150.50 | 276.29 | 380.20 | 776.32 | 762.48 | 13.84 | 56.109 | |
| 2,400.00 | 2,358.20 | 2,308.41 | 2,274.80 | 7.87 | 6.83 | -150.63 | 280.28 | 392.49 | 805.17 | 791.17 | 14.00 | 57.516 | |
| 2,500.00 | 2,455.85 | 2,387.32 | 2,369.66 | 8.01 | 6.90 | -150.75 | 284.28 | 404.79 | 834.03 | 819.86 | 14.17 | 58.858 | |
| 2,600.00 | 2,553.51 | 2,483.05 | 2,464.51 | 8.17 | 6.99 | -150.87 | 288.27 | 417.08 | 862.89 | 848.51 | 14.38 | 60.007 | |
| 2,700.00 | 2,651.17 | 2,578.78 | 2,559.37 | 8.34 | 7.10 | -150.97 | 292.26 | 429.37 | 891.75 | 877.14 | 14.61 | 61.018 | |
| 2,800.00 | 2,748.83 | 2,674.51 | 2,654.22 | 8.52 | 7.22 | -151.07 | 296.26 | 441.67 | 920.62 | 905.74 | 14.87 | 61.897 | |
| 2,900.00 | 2,846.49 | 2,770.25 | 2,749.08 | 8.72 | 7.34 | -151.16 | 300.25 | 453.96 | 949.48 | 934.33 | 15.15 | 62.653 | |
| 3,000.00 | 2,944.15 | 2,865.98 | 2,843.93 | 8.93 | 7.48 | -151.25 | 304.25 | 466.25 | 978.35 | 962.90 | 15.46 | 63.294 | |
| 3,100.00 | 3,041.81 | 2,961.71 | 2,938.79 | 9.16 | 7.62 | -151.33 | 308.24 | 478.55 | 1,007.23 | 991.45 | 15.78 | 63.830 | |
| 3,200.00 | 3,139.47 | 3,057.44 | 3,033.64 | 9.39 | 7.78 | -151.41 | 312.24 | 490.84 | 1,036.10 | 1,019.98 | 16.12 | 64.268 | |
| 3,300.00 | 3,237.13 | 3,153.17 | 3,128.50 | 9.63 | 7.94 | -151.48 | 316.23 | 503.13 | 1,064.97 | 1,048.49 | 16.48 | 64.619 | |
| 3,400.00 | 3,334.79 | 3,248.90 | 3,223.35 | 9.88 | 8.11 | -151.55 | 320.23 | 515.43 | 1,093.85 | 1,076.99 | 16.86 | 64.892 | |
| 3,500.00 | 3,432.45 | 3,344.64 | 3,318.21 | 10.14 | 8.29 | -151.62 | 324.22 | 527.72 | 1,122.73 | 1,105.48 | 17.25 | 65.095 | |
| 3,600.00 | 3,530.11 | 3,440.37 | 3,413.06 | 10.41 | 8.48 | -151.68 | 328.21 | 540.01 | 1,151.61 | 1,133.96 | 17.65 | 65.236 | |
| 3,700.00 | 3,627.77 | 3,536.10 | 3,507.92 | 10.68 | 8.67 | -151.74 | 332.21 | 552.31 | 1,180.49 | 1,162.42 | 18.07 | 65.323 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 30N-30B-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 31.62 | 241.16 | 148.50 | 283.22 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 31.62 | 241.16 | 148.50 | 283.22 | 275.69 | 7.53 | 37.617 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 31.62 | 241.16 | 148.50 | 283.22 | 275.64 | 7.57 | 37.395 CC, ES | |
| 300.00 | 299.98 | 291.08 | 291.06 | 3.34 | 3.34 | -151.21 | 241.86 | 149.77 | 286.12 | 278.46 | 7.65 | 37.389 SF | |
| 400.00 | 399.84 | 382.62 | 382.49 | 3.40 | 3.40 | -151.16 | 243.98 | 153.59 | 294.85 | 287.08 | 7.77 | 37.951 | |
| 500.00 | 499.45 | 473.24 | 472.83 | 3.49 | 3.48 | -151.07 | 247.46 | 159.90 | 309.37 | 301.44 | 7.93 | 39.017 | |
| 600.00 | 598.70 | 562.52 | 561.55 | 3.60 | 3.58 | -150.94 | 252.23 | 168.55 | 329.59 | 321.46 | 8.13 | 40.530 | |
| 700.00 | 697.47 | 653.71 | 651.85 | 3.75 | 3.71 | -150.80 | 258.37 | 179.67 | 355.19 | 346.81 | 8.38 | 42.372 | |
| 800.00 | 795.62 | 749.38 | 746.52 | 3.95 | 3.86 | -150.83 | 265.06 | 191.79 | 384.21 | 375.51 | 8.70 | 44.186 | |
| 900.00 | 893.30 | 844.40 | 840.53 | 4.18 | 4.04 | -151.21 | 271.71 | 203.83 | 415.24 | 406.20 | 9.04 | 45.928 | |
| 1,000.00 | 990.96 | 939.39 | 934.53 | 4.45 | 4.23 | -151.60 | 278.35 | 215.86 | 446.36 | 436.95 | 9.41 | 47.430 | |
| 1,100.00 | 1,088.62 | 1,034.39 | 1,028.52 | 4.74 | 4.44 | -151.94 | 284.99 | 227.90 | 477.49 | 467.68 | 9.81 | 48.662 | |
| 1,200.00 | 1,186.28 | 1,129.38 | 1,122.52 | 5.05 | 4.67 | -152.24 | 291.64 | 239.93 | 508.64 | 498.40 | 10.24 | 49.665 | |
| 1,300.00 | 1,283.94 | 1,224.37 | 1,216.51 | 5.38 | 4.91 | -152.50 | 298.28 | 251.96 | 539.80 | 529.10 | 10.69 | 50.474 | |
| 1,400.00 | 1,381.60 | 1,319.37 | 1,310.51 | 5.73 | 5.16 | -152.74 | 304.92 | 264.00 | 570.97 | 559.80 | 11.17 | 51.128 | |
| 1,500.00 | 1,479.26 | 1,414.36 | 1,404.50 | 6.08 | 5.41 | -152.95 | 311.57 | 276.03 | 602.14 | 590.48 | 11.66 | 51.649 | |
| 1,600.00 | 1,576.92 | 1,509.36 | 1,498.49 | 6.45 | 5.68 | -153.14 | 318.21 | 288.07 | 633.32 | 621.16 | 12.17 | 52.061 | |
| 1,700.00 | 1,674.58 | 1,604.35 | 1,592.49 | 6.82 | 5.95 | -153.31 | 324.85 | 300.10 | 664.51 | 651.82 | 12.69 | 52.384 | |
| 1,800.00 | 1,772.24 | 1,700.65 | 1,686.48 | 7.21 | 6.23 | -153.47 | 331.50 | 312.13 | 695.70 | 682.48 | 13.22 | 52.622 | |
| 1,900.00 | 1,869.90 | 1,805.66 | 1,780.48 | 7.42 | 6.54 | -153.61 | 338.14 | 324.17 | 726.90 | 713.44 | 13.46 | 54.024 | |
| 2,000.00 | 1,967.56 | 1,889.33 | 1,874.47 | 7.47 | 6.67 | -153.74 | 344.78 | 336.20 | 758.10 | 744.67 | 13.43 | 56.447 | |
| 2,100.00 | 2,065.22 | 1,984.33 | 1,968.47 | 7.54 | 6.72 | -153.86 | 351.43 | 348.24 | 789.30 | 775.80 | 13.51 | 58.432 | |
| 2,200.00 | 2,162.88 | 2,079.32 | 2,062.46 | 7.63 | 6.76 | -153.98 | 358.07 | 360.27 | 820.51 | 806.91 | 13.60 | 60.328 | |
| 2,300.00 | 2,260.54 | 2,174.32 | 2,156.46 | 7.74 | 6.82 | -154.08 | 364.71 | 372.30 | 851.72 | 838.00 | 13.72 | 62.066 | |
| 2,400.00 | 2,358.20 | 2,269.31 | 2,250.45 | 7.87 | 6.88 | -154.18 | 371.36 | 384.34 | 882.93 | 869.06 | 13.87 | 63.645 | |
| 2,500.00 | 2,455.85 | 2,364.30 | 2,344.44 | 8.01 | 6.97 | -154.27 | 378.00 | 396.37 | 914.15 | 900.10 | 14.05 | 65.063 | |
| 2,600.00 | 2,553.51 | 2,459.30 | 2,438.44 | 8.17 | 7.06 | -154.35 | 384.64 | 408.40 | 945.36 | 931.11 | 14.25 | 66.323 | |
| 2,700.00 | 2,651.17 | 2,554.29 | 2,532.43 | 8.34 | 7.16 | -154.43 | 391.28 | 420.44 | 976.58 | 962.10 | 14.48 | 67.431 | |
| 2,800.00 | 2,748.83 | 2,649.29 | 2,626.43 | 8.52 | 7.28 | -154.50 | 397.93 | 432.47 | 1,007.80 | 993.06 | 14.74 | 68.394 | |
| 2,900.00 | 2,846.49 | 2,744.28 | 2,720.42 | 8.72 | 7.40 | -154.57 | 404.57 | 444.51 | 1,039.02 | 1,024.01 | 15.01 | 69.220 | |
| 3,000.00 | 2,944.15 | 2,839.28 | 2,814.42 | 8.93 | 7.54 | -154.64 | 411.21 | 456.54 | 1,070.24 | 1,054.93 | 15.31 | 69.918 | |
| 3,100.00 | 3,041.81 | 2,934.27 | 2,908.41 | 9.16 | 7.68 | -154.70 | 417.86 | 468.57 | 1,101.46 | 1,085.84 | 15.62 | 70.500 | |
| 3,200.00 | 3,139.47 | 3,029.26 | 3,002.40 | 9.39 | 7.84 | -154.76 | 424.50 | 480.61 | 1,132.69 | 1,116.73 | 15.96 | 70.973 | |
| 3,300.00 | 3,237.13 | 3,124.26 | 3,096.40 | 9.63 | 8.00 | -154.81 | 431.14 | 492.64 | 1,163.91 | 1,147.60 | 16.31 | 71.350 | |
| 3,400.00 | 3,334.79 | 3,219.25 | 3,190.39 | 9.88 | 8.17 | -154.86 | 437.79 | 504.68 | 1,195.14 | 1,178.46 | 16.68 | 71.640 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30B-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 61.61 | 80.87 | 149.61 | 170.07 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 61.61 | 80.87 | 149.61 | 170.07 | 162.54 | 7.53 | 22.589 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 61.61 | 80.87 | 149.61 | 170.07 | 162.50 | 7.57 | 22.456 | CC, ES |
| 300.00 | 299.98 | 296.80 | 296.78 | 3.34 | 3.34 | -121.20 | 79.84 | 150.88 | 171.61 | 163.96 | 7.65 | 22.427 | |
| 400.00 | 399.84 | 394.43 | 394.28 | 3.40 | 3.40 | -121.05 | 76.70 | 154.72 | 176.26 | 168.49 | 7.77 | 22.693 | |
| 500.00 | 499.45 | 491.79 | 491.29 | 3.49 | 3.49 | -120.80 | 71.47 | 161.10 | 183.99 | 176.06 | 7.93 | 23.193 | |
| 600.00 | 598.70 | 588.75 | 587.55 | 3.60 | 3.60 | -120.48 | 64.19 | 169.99 | 194.80 | 186.64 | 8.16 | 23.883 | |
| 700.00 | 697.47 | 685.81 | 683.50 | 3.75 | 3.74 | -120.12 | 54.91 | 181.34 | 208.61 | 200.17 | 8.44 | 24.703 | |
| 800.00 | 795.62 | 784.51 | 780.92 | 3.95 | 3.92 | -120.29 | 44.87 | 193.60 | 224.54 | 215.73 | 8.81 | 25.499 | |
| 900.00 | 893.30 | 882.97 | 878.10 | 4.18 | 4.13 | -121.11 | 34.86 | 205.84 | 241.70 | 232.47 | 9.23 | 26.197 | |
| 1,000.00 | 990.96 | 981.41 | 975.27 | 4.45 | 4.36 | -121.89 | 24.85 | 218.07 | 258.95 | 249.26 | 9.69 | 26.721 | |
| 1,100.00 | 1,088.62 | 1,079.86 | 1,072.43 | 4.74 | 4.60 | -122.57 | 14.83 | 230.30 | 276.23 | 266.04 | 10.20 | 27.094 | |
| 1,200.00 | 1,186.28 | 1,178.30 | 1,169.60 | 5.05 | 4.87 | -123.17 | 4.82 | 242.53 | 293.55 | 282.82 | 10.73 | 27.347 | |
| 1,300.00 | 1,283.94 | 1,276.74 | 1,266.77 | 5.38 | 5.14 | -123.71 | -5.19 | 254.77 | 310.90 | 299.60 | 11.30 | 27.509 | |
| 1,400.00 | 1,381.60 | 1,375.19 | 1,363.93 | 5.73 | 5.43 | -124.19 | -15.20 | 267.00 | 328.28 | 316.38 | 11.89 | 27.603 | |
| 1,500.00 | 1,479.26 | 1,473.63 | 1,461.10 | 6.08 | 5.73 | -124.62 | -25.21 | 279.23 | 345.67 | 333.16 | 12.50 | 27.643 | |
| 1,600.00 | 1,576.92 | 1,572.08 | 1,558.27 | 6.45 | 6.04 | -125.00 | -35.23 | 291.46 | 363.08 | 349.95 | 13.13 | 27.645 | |
| 1,700.00 | 1,674.58 | 1,670.52 | 1,655.44 | 6.82 | 6.36 | -125.36 | -45.24 | 303.69 | 380.50 | 366.73 | 13.78 | 27.619 | |
| 1,800.00 | 1,772.24 | 1,768.97 | 1,752.60 | 7.21 | 6.68 | -125.68 | -55.25 | 315.93 | 397.94 | 383.51 | 14.43 | 27.572 | |
| 1,900.00 | 1,869.90 | 1,867.41 | 1,849.77 | 7.42 | 6.90 | -125.98 | -65.26 | 328.16 | 415.39 | 400.93 | 14.46 | 28.723 | |
| 2,000.00 | 1,967.56 | 1,965.85 | 1,946.94 | 7.47 | 6.98 | -126.25 | -75.27 | 340.39 | 432.85 | 418.27 | 14.58 | 29.683 | |
| 2,100.00 | 2,065.22 | 2,064.30 | 2,044.10 | 7.54 | 7.03 | -126.50 | -85.29 | 352.62 | 450.32 | 435.63 | 14.69 | 30.664 | |
| 2,200.00 | 2,162.88 | 2,162.74 | 2,141.27 | 7.63 | 7.09 | -126.73 | -95.30 | 364.86 | 467.79 | 452.97 | 14.82 | 31.561 | |
| 2,300.00 | 2,260.54 | 2,261.19 | 2,238.44 | 7.74 | 7.17 | -126.95 | -105.31 | 377.09 | 485.27 | 470.28 | 14.99 | 32.372 | |
| 2,400.00 | 2,358.20 | 2,359.63 | 2,335.60 | 7.87 | 7.26 | -127.15 | -115.32 | 389.32 | 502.76 | 487.57 | 15.19 | 33.097 | |
| 2,500.00 | 2,455.85 | 2,458.08 | 2,432.77 | 8.01 | 7.37 | -127.33 | -125.33 | 401.55 | 520.25 | 504.83 | 15.42 | 33.738 | |
| 2,600.00 | 2,553.51 | 2,556.52 | 2,529.94 | 8.17 | 7.49 | -127.51 | -135.35 | 413.79 | 537.75 | 522.07 | 15.68 | 34.299 | |
| 2,700.00 | 2,651.17 | 2,654.96 | 2,627.11 | 8.34 | 7.62 | -127.67 | -145.36 | 426.02 | 555.26 | 539.29 | 15.96 | 34.783 | |
| 2,800.00 | 2,748.83 | 2,753.41 | 2,724.27 | 8.52 | 7.77 | -127.82 | -155.37 | 438.25 | 572.76 | 556.49 | 16.27 | 35.195 | |
| 2,900.00 | 2,846.49 | 2,851.85 | 2,821.44 | 8.72 | 7.92 | -127.97 | -165.38 | 450.48 | 590.27 | 573.67 | 16.61 | 35.540 | |
| 3,000.00 | 2,944.15 | 2,950.30 | 2,918.61 | 8.93 | 8.09 | -128.10 | -175.39 | 462.71 | 607.79 | 590.82 | 16.97 | 35.824 | |
| 3,100.00 | 3,041.81 | 3,048.74 | 3,015.77 | 9.16 | 8.27 | -128.23 | -185.41 | 474.95 | 625.31 | 607.96 | 17.34 | 36.053 | |
| 3,200.00 | 3,139.47 | 3,147.19 | 3,112.94 | 9.39 | 8.45 | -128.36 | -195.42 | 487.18 | 642.83 | 625.08 | 17.74 | 36.232 | |
| 3,300.00 | 3,237.13 | 3,245.63 | 3,210.11 | 9.63 | 8.65 | -128.47 | -205.43 | 499.41 | 660.35 | 642.19 | 18.16 | 36.366 | |
| 3,400.00 | 3,334.79 | 3,344.08 | 3,307.27 | 9.88 | 8.85 | -128.58 | -215.44 | 511.64 | 677.88 | 659.28 | 18.59 | 36.461 | |
| 3,500.00 | 3,432.45 | 3,442.52 | 3,404.44 | 10.14 | 9.07 | -128.68 | -225.45 | 523.88 | 695.40 | 676.36 | 19.04 | 36.522 | |
| 3,600.00 | 3,530.11 | 3,540.96 | 3,501.61 | 10.41 | 9.29 | -128.78 | -235.46 | 536.11 | 712.93 | 693.43 | 19.50 | 36.552 | |
| 3,700.00 | 3,627.77 | 3,639.41 | 3,598.77 | 10.68 | 9.51 | -128.88 | -245.48 | 548.34 | 730.46 | 710.48 | 19.98 | 36.556 | |
| 3,800.00 | 3,725.43 | 3,737.85 | 3,695.94 | 10.96 | 9.74 | -128.96 | -255.49 | 560.57 | 748.00 | 727.53 | 20.47 | 36.537 | |
| 3,900.00 | 3,823.09 | 3,836.30 | 3,793.11 | 11.25 | 9.98 | -129.05 | -265.50 | 572.81 | 765.53 | 744.56 | 20.97 | 36.498 | |
| 4,000.00 | 3,920.75 | 3,934.74 | 3,890.28 | 11.54 | 10.23 | -129.13 | -275.51 | 585.04 | 783.07 | 761.58 | 21.49 | 36.443 | |
| 4,100.00 | 4,018.41 | 4,033.19 | 3,987.44 | 11.84 | 10.47 | -129.21 | -285.52 | 597.27 | 800.61 | 778.60 | 22.01 | 36.374 | |
| 4,200.00 | 4,116.07 | 4,131.63 | 4,084.61 | 12.14 | 10.73 | -129.28 | -295.54 | 609.50 | 818.15 | 795.61 | 22.54 | 36.293 | |
| 4,300.00 | 4,213.73 | 4,230.07 | 4,181.78 | 12.45 | 10.99 | -129.36 | -305.55 | 621.74 | 835.69 | 812.61 | 23.08 | 36.202 | |
| 4,400.00 | 4,311.39 | 4,328.52 | 4,278.94 | 12.76 | 11.25 | -129.42 | -315.56 | 633.97 | 853.23 | 829.60 | 23.63 | 36.103 | |
| 4,500.00 | 4,409.05 | 4,426.96 | 4,376.11 | 13.08 | 11.51 | -129.49 | -325.57 | 646.20 | 870.78 | 846.58 | 24.19 | 35.997 | |
| 4,600.00 | 4,506.71 | 4,525.41 | 4,473.28 | 13.40 | 11.78 | -129.55 | -335.58 | 658.43 | 888.32 | 863.57 | 24.75 | 35.885 | |
| 4,700.00 | 4,604.37 | 4,623.85 | 4,570.44 | 13.72 | 12.06 | -129.61 | -345.60 | 670.66 | 905.87 | 880.54 | 25.32 | 35.770 | |
| 4,800.00 | 4,702.03 | 4,722.30 | 4,667.61 | 14.04 | 12.33 | -129.67 | -355.61 | 682.90 | 923.41 | 897.51 | 25.90 | 35.651 | |
| 4,900.00 | 4,799.69 | 4,820.74 | 4,764.78 | 14.37 | 12.61 | -129.73 | -365.62 | 695.13 | 940.96 | 914.47 | 26.48 | 35.529 | |
| 5,000.00 | 4,897.35 | 4,919.18 | 4,861.94 | 14.70 | 12.89 | -129.78 | -375.63 | 707.36 | 958.51 | 931.44 | 27.07 | 35.406 | |
| 5,100.00 | 4,995.01 | 5,017.63 | 4,959.11 | 15.03 | 13.17 | -129.83 | -385.64 | 719.59 | 976.06 | 948.39 | 27.66 | 35.282 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,200.00 | 5,092.67 | 5,116.07 | 5,056.28 | 15.37 | 13.46 | -129.88 | -395.66 | 731.83 | 993.61 | 965.34 | 28.26 | 35.157 | | |
| 5,300.00 | 5,190.33 | 5,214.52 | 5,153.45 | 15.71 | 13.75 | -129.93 | -405.67 | 744.06 | 1,011.16 | 982.29 | 28.86 | 35.032 | | |
| 5,400.00 | 5,287.99 | 5,312.96 | 5,250.61 | 16.05 | 14.04 | -129.98 | -415.68 | 756.29 | 1,028.71 | 999.24 | 29.47 | 34.907 | | |
| 5,500.00 | 5,385.65 | 5,411.41 | 5,347.78 | 16.39 | 14.33 | -130.03 | -425.69 | 768.52 | 1,046.26 | 1,016.18 | 30.08 | 34.783 | | |
| 5,600.00 | 5,483.31 | 5,509.85 | 5,444.95 | 16.73 | 14.63 | -130.07 | -435.70 | 780.76 | 1,063.81 | 1,033.12 | 30.69 | 34.660 | | |
| 5,700.00 | 5,580.97 | 5,608.29 | 5,542.11 | 17.08 | 14.92 | -130.11 | -445.72 | 792.99 | 1,081.36 | 1,050.05 | 31.31 | 34.538 | | |
| 5,800.00 | 5,678.63 | 5,706.74 | 5,639.28 | 17.42 | 15.22 | -130.15 | -455.73 | 805.22 | 1,098.92 | 1,066.99 | 31.93 | 34.417 | | |
| 5,900.00 | 5,776.29 | 5,805.18 | 5,736.45 | 17.77 | 15.52 | -130.19 | -465.74 | 817.45 | 1,116.47 | 1,083.92 | 32.55 | 34.297 | | |
| 6,000.00 | 5,873.95 | 5,903.63 | 5,833.61 | 18.12 | 15.82 | -130.23 | -475.75 | 829.68 | 1,134.03 | 1,100.85 | 33.18 | 34.179 | | |
| 6,100.00 | 5,971.61 | 6,002.07 | 5,930.78 | 18.47 | 16.12 | -130.27 | -485.76 | 841.92 | 1,151.58 | 1,117.77 | 33.81 | 34.063 | | |
| 6,200.00 | 6,069.26 | 6,100.52 | 6,027.95 | 18.82 | 16.42 | -130.31 | -495.77 | 854.15 | 1,169.14 | 1,134.70 | 34.44 | 33.948 | | |
| 6,300.00 | 6,166.92 | 6,201.04 | 6,125.11 | 19.18 | 16.73 | -130.34 | -505.79 | 866.38 | 1,186.69 | 1,151.61 | 35.08 | 33.829 | | |
| 6,400.00 | 6,264.58 | 7,948.94 | 7,168.56 | 19.53 | 20.72 | 178.01 | -609.63 | -59.32 | 1,117.59 | 1,083.57 | 34.02 | 32.854 | | |
| 6,500.00 | 6,362.24 | 7,950.10 | 7,168.56 | 19.89 | 20.73 | 177.93 | -609.63 | -60.48 | 1,053.77 | 1,018.81 | 34.96 | 30.146 | | |
| 6,600.00 | 6,459.90 | 7,951.26 | 7,168.56 | 20.24 | 20.74 | 177.85 | -609.62 | -61.64 | 995.91 | 959.97 | 35.94 | 27.709 | | |
| 6,700.00 | 6,557.56 | 7,951.84 | 7,168.56 | 20.59 | 20.74 | -172.46 | -609.62 | -62.22 | 945.12 | 908.18 | 36.94 | 25.585 | | |
| 6,800.00 | 6,654.52 | 7,940.91 | 7,168.54 | 20.88 | 20.64 | -143.75 | -609.66 | -51.29 | 902.85 | 865.06 | 37.79 | 23.893 | | |
| 6,900.00 | 6,748.60 | 7,914.58 | 7,168.50 | 21.16 | 20.41 | -128.60 | -609.74 | -24.96 | 870.72 | 832.33 | 38.39 | 22.682 | | |
| 7,000.00 | 6,837.47 | 7,873.49 | 7,168.43 | 21.44 | 20.06 | -119.61 | -609.88 | 16.13 | 849.33 | 810.62 | 38.71 | 21.941 | | |
| 7,100.00 | 6,918.94 | 7,818.67 | 7,168.34 | 21.70 | 19.63 | -112.74 | -610.06 | 70.95 | 837.95 | 799.21 | 38.75 | 21.626 SF | | |
| 7,199.23 | 6,990.51 | 7,752.02 | 7,168.23 | 21.95 | 19.18 | -106.73 | -610.28 | 137.60 | 834.74 | 796.16 | 38.59 | 21.633 | | |
| 7,200.00 | 6,991.02 | 7,751.46 | 7,168.23 | 21.95 | 19.17 | -106.69 | -610.28 | 138.16 | 834.74 | 796.16 | 38.58 | 21.634 | | |
| 7,300.00 | 7,051.93 | 7,673.52 | 7,168.10 | 22.19 | 18.74 | -101.25 | -610.54 | 216.10 | 837.11 | 798.78 | 38.33 | 21.841 | | |
| 7,400.00 | 7,100.16 | 7,587.45 | 7,167.47 | 22.43 | 18.43 | -96.64 | -610.77 | 302.16 | 842.27 | 804.15 | 38.12 | 22.094 | | |
| 7,500.00 | 7,134.53 | 7,503.45 | 7,158.56 | 22.69 | 18.29 | -92.79 | -610.15 | 385.62 | 848.36 | 810.32 | 38.04 | 22.301 | | |
| 7,600.00 | 7,154.20 | 7,423.45 | 7,139.98 | 23.01 | 18.24 | -89.55 | -608.51 | 463.37 | 854.76 | 816.69 | 38.07 | 22.450 | | |
| 7,700.00 | 7,158.98 | 7,346.70 | 7,113.19 | 23.42 | 18.23 | -87.01 | -606.01 | 535.19 | 861.03 | 822.83 | 38.20 | 22.540 | | |
| 7,800.00 | 7,158.86 | 7,276.19 | 7,081.16 | 23.96 | 18.24 | -84.90 | -602.95 | 597.89 | 869.79 | 831.42 | 38.37 | 22.668 | | |
| 7,900.00 | 7,158.74 | 7,213.73 | 7,047.18 | 24.64 | 18.25 | -82.70 | -599.64 | 650.16 | 883.30 | 844.78 | 38.52 | 22.931 | | |
| 8,000.00 | 7,158.62 | 7,159.03 | 7,013.35 | 25.44 | 18.26 | -80.55 | -596.32 | 693.01 | 902.44 | 863.81 | 38.64 | 23.357 | | |
| 8,100.00 | 7,158.50 | 7,111.38 | 6,981.00 | 26.35 | 18.27 | -78.53 | -593.12 | 727.83 | 927.81 | 889.09 | 38.72 | 23.962 | | |
| 8,200.00 | 7,158.38 | 7,069.95 | 6,950.84 | 27.36 | 18.27 | -76.68 | -590.12 | 756.06 | 959.68 | 920.90 | 38.78 | 24.746 | | |
| 8,300.00 | 7,158.26 | 7,033.89 | 6,923.14 | 28.43 | 18.27 | -75.03 | -587.36 | 778.99 | 998.01 | 959.18 | 38.83 | 25.701 | | |
| 8,400.00 | 7,158.15 | 7,000.00 | 6,895.98 | 29.58 | 18.27 | -73.43 | -584.65 | 799.06 | 1,042.56 | 1,003.69 | 38.87 | 26.820 | | |
| 8,500.00 | 7,158.03 | 6,974.80 | 6,875.12 | 30.77 | 18.26 | -72.24 | -582.55 | 813.03 | 1,092.90 | 1,053.97 | 38.93 | 28.074 | | |
| 8,600.00 | 7,157.91 | 6,950.00 | 6,854.06 | 32.02 | 18.26 | -71.05 | -580.44 | 825.96 | 1,148.53 | 1,109.55 | 38.99 | 29.460 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30C-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 56.00 | 100.91 | 149.61 | 180.46 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 56.00 | 100.91 | 149.61 | 180.46 | 172.93 | 7.53 | 23.969 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 56.00 | 100.91 | 149.61 | 180.46 | 172.89 | 7.57 | 23.828 | CC, ES |
| 300.00 | 299.98 | 296.27 | 296.25 | 3.34 | 3.34 | -126.79 | 100.11 | 151.02 | 182.25 | 174.60 | 7.65 | 23.817 | SF |
| 400.00 | 399.84 | 393.33 | 393.19 | 3.40 | 3.40 | -126.61 | 97.69 | 155.28 | 187.63 | 179.87 | 7.77 | 24.155 | |
| 500.00 | 499.45 | 490.02 | 489.53 | 3.49 | 3.49 | -126.31 | 93.67 | 162.37 | 196.60 | 188.67 | 7.93 | 24.780 | |
| 600.00 | 598.70 | 586.16 | 585.00 | 3.60 | 3.59 | -125.92 | 88.07 | 172.21 | 209.13 | 200.97 | 8.16 | 25.644 | |
| 700.00 | 697.47 | 684.24 | 682.10 | 3.75 | 3.74 | -125.70 | 81.25 | 184.22 | 224.72 | 216.28 | 8.44 | 26.622 | |
| 800.00 | 795.62 | 782.63 | 779.49 | 3.95 | 3.91 | -126.10 | 74.37 | 196.33 | 242.38 | 233.59 | 8.79 | 27.576 | |
| 900.00 | 893.30 | 880.69 | 876.56 | 4.18 | 4.10 | -127.06 | 67.51 | 208.40 | 261.48 | 252.29 | 9.19 | 28.451 | |
| 1,000.00 | 990.96 | 978.73 | 973.62 | 4.45 | 4.32 | -127.96 | 60.66 | 220.48 | 280.71 | 271.08 | 9.63 | 29.147 | |
| 1,100.00 | 1,088.62 | 1,076.78 | 1,070.68 | 4.74 | 4.55 | -128.74 | 53.80 | 232.55 | 299.99 | 289.88 | 10.11 | 29.678 | |
| 1,200.00 | 1,186.28 | 1,174.82 | 1,167.74 | 5.05 | 4.79 | -129.43 | 46.94 | 244.62 | 319.31 | 308.70 | 10.62 | 30.077 | |
| 1,300.00 | 1,283.94 | 1,272.87 | 1,264.80 | 5.38 | 5.05 | -130.04 | 40.08 | 256.69 | 338.68 | 327.53 | 11.15 | 30.370 | |
| 1,400.00 | 1,381.60 | 1,370.92 | 1,361.85 | 5.73 | 5.32 | -130.58 | 33.23 | 268.76 | 358.08 | 346.37 | 11.71 | 30.582 | |
| 1,500.00 | 1,479.26 | 1,468.96 | 1,458.91 | 6.08 | 5.59 | -131.07 | 26.37 | 280.83 | 377.51 | 365.22 | 12.29 | 30.727 | |
| 1,600.00 | 1,576.92 | 1,567.01 | 1,555.97 | 6.45 | 5.88 | -131.51 | 19.51 | 292.90 | 396.96 | 384.08 | 12.88 | 30.823 | |
| 1,700.00 | 1,674.58 | 1,665.06 | 1,653.03 | 6.82 | 6.17 | -131.91 | 12.66 | 304.97 | 416.43 | 402.95 | 13.49 | 30.880 | |
| 1,800.00 | 1,772.24 | 1,763.10 | 1,750.09 | 7.21 | 6.47 | -132.27 | 5.80 | 317.04 | 435.92 | 421.82 | 14.10 | 30.907 | |
| 1,900.00 | 1,869.90 | 1,861.15 | 1,847.15 | 7.42 | 6.68 | -132.61 | -1.06 | 329.11 | 455.43 | 441.31 | 14.12 | 32.260 | |
| 2,000.00 | 1,967.56 | 1,959.20 | 1,944.21 | 7.47 | 6.77 | -132.91 | -7.92 | 341.18 | 474.95 | 460.71 | 14.23 | 33.367 | |
| 2,100.00 | 2,065.22 | 2,057.24 | 2,041.26 | 7.54 | 6.81 | -133.19 | -14.77 | 353.26 | 494.48 | 480.15 | 14.33 | 34.516 | |
| 2,200.00 | 2,162.88 | 2,155.29 | 2,138.32 | 7.63 | 6.86 | -133.45 | -21.63 | 365.33 | 514.02 | 499.57 | 14.45 | 35.572 | |
| 2,300.00 | 2,260.54 | 2,253.34 | 2,235.38 | 7.74 | 6.93 | -133.69 | -28.49 | 377.40 | 533.57 | 518.96 | 14.61 | 36.532 | |
| 2,400.00 | 2,358.20 | 2,351.38 | 2,332.44 | 7.87 | 7.02 | -133.92 | -35.34 | 389.47 | 553.13 | 538.34 | 14.79 | 37.396 | |
| 2,500.00 | 2,455.85 | 2,449.43 | 2,429.50 | 8.01 | 7.11 | -134.13 | -42.20 | 401.54 | 572.69 | 557.69 | 15.01 | 38.165 | |
| 2,600.00 | 2,553.51 | 2,547.48 | 2,526.56 | 8.17 | 7.22 | -134.32 | -49.06 | 413.61 | 592.27 | 577.02 | 15.25 | 38.843 | |
| 2,700.00 | 2,651.17 | 2,645.52 | 2,623.62 | 8.34 | 7.34 | -134.50 | -55.92 | 425.68 | 611.85 | 596.33 | 15.52 | 39.433 | |
| 2,800.00 | 2,748.83 | 2,743.57 | 2,720.68 | 8.52 | 7.48 | -134.67 | -62.77 | 437.75 | 631.43 | 615.62 | 15.81 | 39.940 | |
| 2,900.00 | 2,846.49 | 2,841.62 | 2,817.73 | 8.72 | 7.62 | -134.83 | -69.63 | 449.82 | 651.02 | 634.90 | 16.13 | 40.370 | |
| 3,000.00 | 2,944.15 | 2,939.66 | 2,914.79 | 8.93 | 7.78 | -134.99 | -76.49 | 461.89 | 670.62 | 654.15 | 16.47 | 40.730 | |
| 3,100.00 | 3,041.81 | 3,037.71 | 3,011.85 | 9.16 | 7.94 | -135.13 | -83.34 | 473.96 | 690.22 | 673.39 | 16.82 | 41.024 | |
| 3,200.00 | 3,139.47 | 3,135.75 | 3,108.91 | 9.39 | 8.12 | -135.26 | -90.20 | 486.04 | 709.82 | 692.62 | 17.20 | 41.260 | |
| 3,300.00 | 3,237.13 | 3,233.80 | 3,205.97 | 9.63 | 8.30 | -135.39 | -97.06 | 498.11 | 729.43 | 711.83 | 17.60 | 41.444 | |
| 3,400.00 | 3,334.79 | 3,331.85 | 3,303.03 | 9.88 | 8.49 | -135.51 | -103.92 | 510.18 | 749.04 | 731.02 | 18.01 | 41.581 | |
| 3,500.00 | 3,432.45 | 3,429.89 | 3,400.09 | 10.14 | 8.69 | -135.63 | -110.77 | 522.25 | 768.65 | 750.21 | 18.44 | 41.677 | |
| 3,600.00 | 3,530.11 | 3,527.94 | 3,497.14 | 10.41 | 8.89 | -135.73 | -117.63 | 534.32 | 788.27 | 769.38 | 18.89 | 41.737 | |
| 3,700.00 | 3,627.77 | 3,625.99 | 3,594.20 | 10.68 | 9.11 | -135.84 | -124.49 | 546.39 | 807.88 | 788.54 | 19.34 | 41.765 | |
| 3,800.00 | 3,725.43 | 3,724.03 | 3,691.26 | 10.96 | 9.32 | -135.94 | -131.34 | 558.46 | 827.51 | 807.69 | 19.81 | 41.765 | |
| 3,900.00 | 3,823.09 | 3,822.08 | 3,788.32 | 11.25 | 9.55 | -136.03 | -138.20 | 570.53 | 847.13 | 826.83 | 20.29 | 41.741 | |
| 4,000.00 | 3,920.75 | 3,920.13 | 3,885.38 | 11.54 | 9.78 | -136.12 | -145.06 | 582.60 | 866.75 | 845.97 | 20.79 | 41.697 | |
| 4,100.00 | 4,018.41 | 4,018.17 | 3,982.44 | 11.84 | 10.01 | -136.21 | -151.92 | 594.67 | 886.38 | 865.09 | 21.29 | 41.636 | |
| 4,200.00 | 4,116.07 | 4,116.22 | 4,079.50 | 12.14 | 10.25 | -136.29 | -158.77 | 606.74 | 906.01 | 884.21 | 21.80 | 41.560 | |
| 4,300.00 | 4,213.73 | 4,214.27 | 4,176.56 | 12.45 | 10.49 | -136.37 | -165.63 | 618.82 | 925.64 | 903.32 | 22.32 | 41.471 | |
| 4,400.00 | 4,311.39 | 4,312.31 | 4,273.61 | 12.76 | 10.74 | -136.44 | -172.49 | 630.89 | 945.27 | 922.42 | 22.85 | 41.371 | |
| 4,500.00 | 4,409.05 | 4,410.36 | 4,370.67 | 13.08 | 10.99 | -136.52 | -179.34 | 642.96 | 964.91 | 941.52 | 23.38 | 41.263 | |
| 4,600.00 | 4,506.71 | 4,508.41 | 4,467.73 | 13.40 | 11.25 | -136.59 | -186.20 | 655.03 | 984.54 | 960.61 | 23.93 | 41.149 | |
| 4,700.00 | 4,604.37 | 4,606.45 | 4,564.79 | 13.72 | 11.51 | -136.65 | -193.06 | 667.10 | 1,004.18 | 979.70 | 24.48 | 41.028 | |
| 4,800.00 | 4,702.03 | 4,704.50 | 4,661.85 | 14.04 | 11.77 | -136.72 | -199.92 | 679.17 | 1,023.82 | 998.78 | 25.03 | 40.902 | |
| 4,900.00 | 4,799.69 | 4,802.54 | 4,758.91 | 14.37 | 12.03 | -136.78 | -206.77 | 691.24 | 1,043.45 | 1,017.86 | 25.59 | 40.773 | |
| 5,000.00 | 4,897.35 | 4,900.59 | 4,855.97 | 14.70 | 12.30 | -136.84 | -213.63 | 703.31 | 1,063.10 | 1,036.94 | 26.16 | 40.641 | |
| 5,100.00 | 4,995.01 | 5,001.36 | 4,953.02 | 15.03 | 12.57 | -136.90 | -220.49 | 715.38 | 1,082.74 | 1,056.00 | 26.74 | 40.496 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30C-M - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|---------------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,200.00 | 5,092.67 | 5,103.32 | 5,050.08 | 15.37 | 12.85 | -136.95 | -227.34 | 727.45 | 1,102.38 | 1,075.05 | 27.32 | 40.345 | | |
| 5,300.00 | 5,190.33 | 5,205.27 | 5,147.14 | 15.71 | 13.14 | -137.00 | -234.20 | 739.52 | 1,122.02 | 1,094.11 | 27.91 | 40.194 | | |
| 5,400.00 | 5,287.99 | 5,307.22 | 5,244.20 | 16.05 | 13.43 | -137.06 | -241.06 | 751.60 | 1,141.67 | 1,113.16 | 28.51 | 40.044 | | |
| 5,500.00 | 5,385.65 | 5,409.18 | 5,341.26 | 16.39 | 13.71 | -137.11 | -247.92 | 763.67 | 1,161.31 | 1,132.20 | 29.11 | 39.894 | | |
| 5,600.00 | 5,483.31 | 5,488.87 | 5,438.32 | 16.73 | 13.94 | -137.15 | -254.77 | 775.74 | 1,180.96 | 1,151.31 | 29.65 | 39.830 | | |
| 6,700.00 | 6,557.56 | 8,013.61 | 7,242.92 | 20.59 | 20.64 | -172.43 | -380.26 | -63.99 | 1,171.65 | 1,134.56 | 37.09 | 31.588 | | |
| 6,800.00 | 6,654.52 | 8,002.52 | 7,242.92 | 20.88 | 20.54 | -143.13 | -380.28 | -52.90 | 1,135.81 | 1,098.05 | 37.76 | 30.079 | | |
| 6,900.00 | 6,748.60 | 7,976.03 | 7,242.93 | 21.16 | 20.31 | -127.86 | -380.33 | -26.41 | 1,108.47 | 1,070.24 | 38.22 | 28.999 | | |
| 7,000.00 | 6,837.47 | 7,934.81 | 7,242.94 | 21.44 | 19.96 | -119.16 | -380.41 | 14.81 | 1,089.86 | 1,051.41 | 38.45 | 28.344 | | |
| 7,100.00 | 6,918.94 | 7,879.85 | 7,242.95 | 21.70 | 19.53 | -112.91 | -380.51 | 69.77 | 1,079.31 | 1,040.84 | 38.47 | 28.059 | | |
| 7,200.00 | 6,991.02 | 7,812.53 | 7,242.97 | 21.95 | 19.05 | -107.69 | -380.64 | 137.09 | 1,075.31 | 1,036.97 | 38.34 | 28.050 | | |
| 7,231.80 | 7,011.68 | 7,788.78 | 7,242.97 | 22.02 | 18.90 | -106.18 | -380.69 | 160.84 | 1,075.10 | 1,036.81 | 38.29 | 28.079 | | |
| 7,300.00 | 7,051.93 | 7,734.48 | 7,242.99 | 22.19 | 18.59 | -103.16 | -380.79 | 215.14 | 1,075.90 | 1,037.72 | 38.17 | 28.186 | | |
| 7,400.00 | 7,100.16 | 7,644.95 | 7,242.51 | 22.43 | 18.18 | -99.30 | -380.93 | 304.67 | 1,078.92 | 1,040.87 | 38.04 | 28.359 | | |
| 7,500.00 | 7,134.53 | 7,549.17 | 7,231.60 | 22.69 | 17.89 | -95.93 | -380.34 | 399.73 | 1,082.24 | 1,044.18 | 38.06 | 28.436 | | |
| 7,600.00 | 7,154.20 | 7,459.63 | 7,208.64 | 23.01 | 17.74 | -93.15 | -378.88 | 486.18 | 1,085.26 | 1,047.03 | 38.23 | 28.386 | | |
| 7,700.00 | 7,158.98 | 7,375.18 | 7,176.11 | 23.42 | 17.67 | -90.95 | -376.74 | 564.02 | 1,087.81 | 1,049.28 | 38.53 | 28.235 | | |
| 7,800.00 | 7,158.86 | 7,299.19 | 7,138.28 | 23.96 | 17.64 | -88.97 | -374.20 | 629.83 | 1,092.02 | 1,053.14 | 38.88 | 28.084 | | |
| 7,900.00 | 7,158.74 | 7,233.46 | 7,099.46 | 24.64 | 17.64 | -86.94 | -371.57 | 682.76 | 1,099.93 | 1,060.68 | 39.25 | 28.025 | | |
| 8,000.00 | 7,158.62 | 7,177.19 | 7,062.04 | 25.44 | 17.64 | -85.00 | -369.01 | 724.68 | 1,112.52 | 1,072.94 | 39.59 | 28.104 | | |
| 8,100.00 | 7,158.50 | 7,129.18 | 7,027.30 | 26.35 | 17.64 | -83.22 | -366.63 | 757.72 | 1,130.53 | 1,090.65 | 39.89 | 28.344 | | |
| 8,200.00 | 7,158.38 | 7,088.18 | 6,995.74 | 27.36 | 17.63 | -81.62 | -364.45 | 783.79 | 1,154.39 | 1,114.25 | 40.15 | 28.755 | | |
| 8,300.00 | 7,158.26 | 7,050.00 | 6,964.90 | 28.43 | 17.63 | -80.08 | -362.32 | 806.19 | 1,184.27 | 1,143.90 | 40.36 | 29.339 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 32N-30B-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 97.19 | -18.94 | 150.17 | 151.36 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 97.19 | -18.94 | 150.17 | 151.36 | 143.83 | 7.53 | 20.104 | |
| 200.00 | 200.00 | 201.00 | 199.00 | 3.31 | 3.31 | 97.19 | -18.94 | 150.17 | 151.36 | 143.79 | 7.57 | 19.984 | |
| 258.88 | 258.88 | 257.65 | 257.65 | 3.33 | 3.33 | -85.89 | -18.95 | 150.18 | 151.32 | 143.70 | 7.62 | 19.865 CC, ES | |
| 300.00 | 299.98 | 297.61 | 297.60 | 3.34 | 3.35 | -86.18 | -19.29 | 150.35 | 151.46 | 143.81 | 7.65 | 19.790 | |
| 400.00 | 399.84 | 394.78 | 394.71 | 3.40 | 3.40 | -87.03 | -22.21 | 151.80 | 152.97 | 145.21 | 7.76 | 19.708 | |
| 500.00 | 499.45 | 491.93 | 491.64 | 3.49 | 3.48 | -88.04 | -28.08 | 154.73 | 156.15 | 148.23 | 7.92 | 19.722 | |
| 600.00 | 598.70 | 589.02 | 588.23 | 3.60 | 3.58 | -89.17 | -36.87 | 159.11 | 161.03 | 152.90 | 8.13 | 19.808 | |
| 700.00 | 697.47 | 686.01 | 684.33 | 3.75 | 3.71 | -90.36 | -48.57 | 164.95 | 167.63 | 159.22 | 8.41 | 19.939 | |
| 800.00 | 795.62 | 782.86 | 779.79 | 3.95 | 3.88 | -91.58 | -63.16 | 172.22 | 175.96 | 167.20 | 8.76 | 20.085 | |
| 900.00 | 893.30 | 879.57 | 874.52 | 4.18 | 4.09 | -92.61 | -80.60 | 180.92 | 185.98 | 176.78 | 9.19 | 20.228 | |
| 1,000.00 | 990.96 | 976.08 | 968.34 | 4.45 | 4.35 | -92.73 | -100.84 | 191.01 | 197.50 | 187.80 | 9.70 | 20.366 | |
| 1,100.00 | 1,088.62 | 1,072.78 | 1,061.53 | 4.74 | 4.65 | -92.05 | -123.90 | 202.50 | 210.47 | 200.20 | 10.26 | 20.504 | |
| 1,200.00 | 1,186.28 | 1,171.81 | 1,156.69 | 5.05 | 5.01 | -91.18 | -148.45 | 214.74 | 223.96 | 213.06 | 10.90 | 20.539 | |
| 1,300.00 | 1,283.94 | 1,270.84 | 1,251.85 | 5.38 | 5.40 | -90.41 | -173.00 | 226.98 | 237.50 | 225.92 | 11.58 | 20.502 | |
| 1,400.00 | 1,381.60 | 1,369.87 | 1,347.00 | 5.73 | 5.80 | -89.72 | -197.54 | 239.22 | 251.08 | 238.78 | 12.30 | 20.418 | |
| 1,500.00 | 1,479.26 | 1,468.91 | 1,442.16 | 6.08 | 6.23 | -89.11 | -222.09 | 251.46 | 264.69 | 251.66 | 13.04 | 20.303 | |
| 1,600.00 | 1,576.92 | 1,567.94 | 1,537.32 | 6.45 | 6.67 | -88.55 | -246.64 | 263.70 | 278.33 | 264.53 | 13.80 | 20.169 | |
| 1,700.00 | 1,674.58 | 1,666.97 | 1,632.47 | 6.82 | 7.12 | -88.05 | -271.19 | 275.94 | 291.99 | 277.41 | 14.58 | 20.026 | |
| 1,800.00 | 1,772.24 | 1,766.00 | 1,727.63 | 7.21 | 7.58 | -87.59 | -295.73 | 288.18 | 305.67 | 290.30 | 15.38 | 19.880 | |
| 1,900.00 | 1,869.90 | 1,865.03 | 1,822.79 | 7.42 | 7.91 | -87.17 | -320.28 | 300.42 | 319.37 | 303.87 | 15.50 | 20.605 | |
| 2,000.00 | 1,967.56 | 1,964.06 | 1,917.94 | 7.47 | 8.05 | -86.79 | -344.83 | 312.66 | 333.08 | 317.42 | 15.66 | 21.264 | |
| 2,100.00 | 2,065.22 | 2,063.09 | 2,013.10 | 7.54 | 8.13 | -86.43 | -369.38 | 324.90 | 346.81 | 331.01 | 15.80 | 21.952 | |
| 2,200.00 | 2,162.88 | 2,162.12 | 2,108.26 | 7.63 | 8.24 | -86.10 | -393.92 | 337.14 | 360.55 | 344.58 | 15.97 | 22.571 | |
| 2,300.00 | 2,260.54 | 2,261.16 | 2,203.41 | 7.74 | 8.37 | -85.80 | -418.47 | 349.37 | 374.30 | 358.11 | 16.19 | 23.122 | |
| 2,400.00 | 2,358.20 | 2,360.19 | 2,298.57 | 7.87 | 8.51 | -85.52 | -443.02 | 361.61 | 388.06 | 371.62 | 16.44 | 23.606 | |
| 2,500.00 | 2,455.85 | 2,459.22 | 2,393.73 | 8.01 | 8.68 | -85.26 | -467.57 | 373.85 | 401.83 | 385.10 | 16.73 | 24.024 | |
| 2,600.00 | 2,553.51 | 2,558.25 | 2,488.88 | 8.17 | 8.87 | -85.01 | -492.11 | 386.09 | 415.61 | 398.56 | 17.05 | 24.380 | |
| 2,700.00 | 2,651.17 | 2,657.28 | 2,584.04 | 8.34 | 9.07 | -84.78 | -516.66 | 398.33 | 429.39 | 411.99 | 17.40 | 24.678 | |
| 2,800.00 | 2,748.83 | 2,756.31 | 2,679.20 | 8.52 | 9.29 | -84.57 | -541.21 | 410.57 | 443.18 | 425.40 | 17.78 | 24.923 | |
| 2,900.00 | 2,846.49 | 2,855.34 | 2,774.36 | 8.72 | 9.52 | -84.36 | -565.76 | 422.81 | 456.98 | 438.78 | 18.19 | 25.120 | |
| 3,000.00 | 2,944.15 | 2,954.38 | 2,869.51 | 8.93 | 9.77 | -84.17 | -590.31 | 435.05 | 470.78 | 452.15 | 18.63 | 25.273 | |
| 3,100.00 | 3,041.81 | 3,053.41 | 2,964.67 | 9.16 | 10.03 | -83.99 | -614.85 | 447.29 | 484.58 | 465.49 | 19.09 | 25.388 | |
| 3,200.00 | 3,139.47 | 3,152.44 | 3,059.83 | 9.39 | 10.30 | -83.82 | -639.40 | 459.53 | 498.39 | 478.82 | 19.57 | 25.469 | |
| 3,300.00 | 3,237.13 | 3,251.47 | 3,154.98 | 9.63 | 10.58 | -83.66 | -663.95 | 471.77 | 512.21 | 492.13 | 20.07 | 25.520 | |
| 3,400.00 | 3,334.79 | 3,350.50 | 3,250.14 | 9.88 | 10.88 | -83.51 | -688.50 | 484.01 | 526.02 | 505.43 | 20.59 | 25.545 | |
| 3,500.00 | 3,432.45 | 3,449.53 | 3,345.30 | 10.14 | 11.18 | -83.37 | -713.04 | 496.24 | 539.84 | 518.71 | 21.13 | 25.548 | |
| 3,600.00 | 3,530.11 | 3,548.56 | 3,440.45 | 10.41 | 11.49 | -83.23 | -737.59 | 508.48 | 553.67 | 531.98 | 21.69 | 25.532 | |
| 3,700.00 | 3,627.77 | 3,647.60 | 3,535.61 | 10.68 | 11.81 | -83.10 | -762.14 | 520.72 | 567.50 | 545.24 | 22.26 | 25.499 | |
| 3,800.00 | 3,725.43 | 3,746.63 | 3,630.77 | 10.96 | 12.14 | -82.98 | -786.69 | 532.96 | 581.33 | 558.49 | 22.84 | 25.454 | |
| 3,900.00 | 3,823.09 | 3,845.66 | 3,725.92 | 11.25 | 12.47 | -82.86 | -811.23 | 545.20 | 595.16 | 571.72 | 23.43 | 25.397 | |
| 4,000.00 | 3,920.75 | 3,944.69 | 3,821.08 | 11.54 | 12.81 | -82.75 | -835.78 | 557.44 | 608.99 | 584.95 | 24.04 | 25.330 | |
| 4,100.00 | 4,018.41 | 4,043.72 | 3,916.24 | 11.84 | 13.15 | -82.64 | -860.33 | 569.68 | 622.83 | 598.17 | 24.66 | 25.256 | |
| 4,200.00 | 4,116.07 | 4,142.75 | 4,011.39 | 12.14 | 13.50 | -82.53 | -884.88 | 581.92 | 636.67 | 611.38 | 25.29 | 25.175 | |
| 4,300.00 | 4,213.73 | 4,241.78 | 4,106.55 | 12.45 | 13.86 | -82.44 | -909.42 | 594.16 | 650.51 | 624.58 | 25.93 | 25.090 | |
| 4,400.00 | 4,311.39 | 4,340.82 | 4,201.71 | 12.76 | 14.22 | -82.34 | -933.97 | 606.40 | 664.35 | 637.78 | 26.57 | 25.001 | |
| 4,500.00 | 4,409.05 | 4,439.85 | 4,296.87 | 13.08 | 14.58 | -82.25 | -958.52 | 618.64 | 678.20 | 650.97 | 27.23 | 24.909 | |
| 4,600.00 | 4,506.71 | 4,538.88 | 4,392.02 | 13.40 | 14.95 | -82.16 | -983.07 | 630.88 | 692.04 | 664.16 | 27.89 | 24.814 | |
| 4,700.00 | 4,604.37 | 4,637.91 | 4,487.18 | 13.72 | 15.32 | -82.08 | -1,007.62 | 643.12 | 705.89 | 677.34 | 28.56 | 24.719 | |
| 4,800.00 | 4,702.03 | 4,736.94 | 4,582.34 | 14.04 | 15.70 | -82.00 | -1,032.16 | 655.35 | 719.74 | 690.51 | 29.23 | 24.622 | |
| 4,900.00 | 4,799.69 | 4,835.97 | 4,677.49 | 14.37 | 16.07 | -81.92 | -1,056.71 | 667.59 | 733.59 | 703.68 | 29.91 | 24.525 | |
| 5,000.00 | 4,897.35 | 4,935.00 | 4,772.65 | 14.70 | 16.46 | -81.85 | -1,081.26 | 679.83 | 747.44 | 716.85 | 30.60 | 24.428 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 32N-30B-M - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: 0.00 usft | |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|---------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: 3.28 usft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,100.00 | 4,995.01 | 5,034.03 | 4,867.81 | 15.03 | 16.84 | -81.77 | -1,105.81 | 692.07 | 761.30 | 730.01 | 31.29 | 24.331 | | |
| 5,200.00 | 5,092.67 | 5,133.07 | 4,962.96 | 15.37 | 17.22 | -81.70 | -1,130.35 | 704.31 | 775.15 | 743.17 | 31.99 | 24.235 | | |
| 5,300.00 | 5,190.33 | 5,232.10 | 5,058.12 | 15.71 | 17.61 | -81.64 | -1,154.90 | 716.55 | 789.01 | 756.32 | 32.69 | 24.139 | | |
| 5,400.00 | 5,287.99 | 5,331.13 | 5,153.28 | 16.05 | 18.00 | -81.57 | -1,179.45 | 728.79 | 802.86 | 769.47 | 33.39 | 24.045 | | |
| 5,500.00 | 5,385.65 | 5,430.16 | 5,248.43 | 16.39 | 18.40 | -81.51 | -1,204.00 | 741.03 | 816.72 | 782.62 | 34.10 | 23.951 | | |
| 5,600.00 | 5,483.31 | 5,529.19 | 5,343.59 | 16.73 | 18.79 | -81.45 | -1,228.54 | 753.27 | 830.58 | 795.77 | 34.81 | 23.860 | | |
| 5,700.00 | 5,580.97 | 5,628.22 | 5,438.75 | 17.08 | 19.19 | -81.39 | -1,253.09 | 765.51 | 844.44 | 808.91 | 35.53 | 23.769 | | |
| 5,800.00 | 5,678.63 | 5,727.25 | 5,533.90 | 17.42 | 19.58 | -81.33 | -1,277.64 | 777.75 | 858.30 | 822.05 | 36.25 | 23.680 | | |
| 5,900.00 | 5,776.29 | 5,826.29 | 5,629.06 | 17.77 | 19.98 | -81.28 | -1,302.19 | 789.99 | 872.16 | 835.19 | 36.97 | 23.592 | | |
| 6,000.00 | 5,873.95 | 5,925.32 | 5,724.22 | 18.12 | 20.38 | -81.23 | -1,326.73 | 802.22 | 886.02 | 848.33 | 37.69 | 23.507 | | |
| 6,100.00 | 5,971.61 | 6,024.35 | 5,819.38 | 18.47 | 20.79 | -81.18 | -1,351.28 | 814.46 | 899.88 | 861.46 | 38.42 | 23.422 | | |
| 6,200.00 | 6,069.26 | 6,123.38 | 5,914.53 | 18.82 | 21.19 | -81.13 | -1,375.83 | 826.70 | 913.74 | 874.59 | 39.15 | 23.339 | | |
| 6,300.00 | 6,166.92 | 6,222.41 | 6,009.69 | 19.18 | 21.59 | -81.08 | -1,400.38 | 838.94 | 927.61 | 887.72 | 39.88 | 23.258 | | |
| 6,400.00 | 6,264.58 | 6,321.44 | 6,104.85 | 19.53 | 22.00 | -81.03 | -1,424.93 | 851.18 | 941.47 | 900.85 | 40.62 | 23.179 | | |
| 6,500.00 | 6,362.24 | 6,416.23 | 6,168.46 | 19.89 | 22.42 | -5.26 | -1,697.18 | -63.60 | 905.52 | 876.24 | 29.28 | 30.924 | | |
| 6,600.00 | 6,459.90 | 6,517.40 | 6,264.47 | 20.24 | 22.84 | -4.97 | -1,697.18 | -64.78 | 809.11 | 779.45 | 29.66 | 27.279 | | |
| 6,700.00 | 6,557.56 | 6,615.99 | 6,362.47 | 20.59 | 23.26 | 13.67 | -1,697.18 | -65.37 | 713.70 | 683.59 | 30.11 | 23.701 | | |
| 6,800.00 | 6,655.22 | 6,713.07 | 6,460.45 | 20.88 | 23.68 | 24.49 | -1,697.19 | -54.44 | 620.38 | 589.77 | 30.61 | 20.270 | | |
| 6,900.00 | 6,748.60 | 6,806.75 | 6,553.41 | 21.16 | 24.01 | 92.66 | -1,697.24 | -28.12 | 531.87 | 500.67 | 31.20 | 17.047 | | |
| 7,000.00 | 6,837.47 | 6,895.68 | 6,642.36 | 21.44 | 24.33 | 105.03 | -1,697.31 | 12.95 | 451.20 | 419.23 | 31.97 | 14.113 | | |
| 7,100.00 | 6,918.94 | 6,977.86 | 6,723.28 | 21.70 | 24.65 | 109.82 | -1,697.40 | 67.77 | 381.35 | 348.30 | 33.04 | 11.541 | | |
| 7,200.00 | 6,991.02 | 7,049.66 | 6,793.18 | 21.95 | 24.97 | 109.91 | -1,697.51 | 134.97 | 324.93 | 290.41 | 34.52 | 9.414 | | |
| 7,300.00 | 7,051.93 | 7,110.92 | 6,854.07 | 22.19 | 25.30 | 106.84 | -1,697.64 | 212.91 | 283.56 | 247.24 | 36.33 | 7.806 | | |
| 7,400.00 | 7,100.16 | 7,160.94 | 6,903.72 | 22.43 | 25.63 | 101.02 | -1,697.48 | 307.66 | 256.39 | 218.32 | 38.08 | 6.733 | | |
| 7,500.00 | 7,134.53 | 7,196.59 | 6,951.01 | 22.69 | 25.96 | 92.19 | -1,693.90 | 410.79 | 237.15 | 197.22 | 39.93 | 5.939 | | |
| 7,600.00 | 7,154.20 | 7,217.96 | 6,974.37 | 23.01 | 26.29 | 82.19 | -1,686.96 | 501.98 | 226.34 | 184.61 | 41.73 | 5.424 | | |
| 7,661.28 | 7,159.33 | 7,223.09 | 6,979.64 | 23.24 | 26.57 | 75.62 | -1,681.46 | 552.04 | 224.46 | 181.78 | 42.68 | 5.259 | | |
| 7,700.00 | 7,158.98 | 7,223.20 | 6,978.16 | 23.42 | 26.78 | 71.65 | -1,677.53 | 581.92 | 225.10 | 181.92 | 43.18 | 5.213 SF | | |
| 7,800.00 | 7,158.86 | 7,227.95 | 6,975.70 | 23.96 | 26.99 | 61.04 | -1,666.98 | 647.39 | 235.70 | 191.36 | 44.34 | 5.316 | | |
| 7,900.00 | 7,158.74 | 7,231.75 | 6,974.78 | 24.64 | 27.18 | 51.46 | -1,656.54 | 698.33 | 262.38 | 217.24 | 45.14 | 5.813 | | |
| 8,000.00 | 7,158.62 | 7,235.16 | 6,966.61 | 25.44 | 27.36 | 43.64 | -1,646.78 | 737.53 | 305.22 | 259.56 | 45.66 | 6.685 | | |
| 8,100.00 | 7,158.50 | 7,239.48 | 6,932.10 | 26.35 | 27.54 | 37.54 | -1,637.95 | 767.68 | 361.35 | 315.30 | 46.05 | 7.847 | | |
| 8,200.00 | 7,158.38 | 7,240.13 | 6,901.42 | 27.36 | 27.71 | 32.85 | -1,630.09 | 791.02 | 427.41 | 381.03 | 46.38 | 9.216 | | |
| 8,300.00 | 7,158.26 | 7,236.75 | 6,874.33 | 28.43 | 27.89 | 29.22 | -1,623.14 | 809.25 | 500.64 | 453.98 | 46.66 | 10.730 | | |
| 8,400.00 | 7,158.15 | 7,230.00 | 6,843.50 | 29.58 | 27.96 | 25.60 | -1,615.24 | 827.59 | 579.21 | 532.51 | 46.70 | 12.403 | | |
| 8,500.00 | 7,158.03 | 7,223.65 | 6,829.45 | 30.77 | 28.04 | 24.11 | -1,611.63 | 835.16 | 661.43 | 614.32 | 47.11 | 14.040 | | |
| 8,600.00 | 7,157.91 | 7,217.32 | 6,810.87 | 32.02 | 28.12 | 22.28 | -1,606.86 | 844.46 | 746.70 | 699.41 | 47.29 | 15.791 | | |
| 8,700.00 | 7,157.79 | 7,210.00 | 6,800.00 | 33.30 | 28.20 | 21.28 | -1,604.07 | 849.54 | 834.28 | 786.74 | 47.54 | 17.550 | | |
| 8,800.00 | 7,157.67 | 7,202.78 | 6,779.71 | 34.62 | 28.28 | 19.53 | -1,598.86 | 858.34 | 923.54 | 875.97 | 47.57 | 19.415 | | |
| 8,900.00 | 7,157.55 | 7,200.00 | 6,754.97 | 35.97 | 28.30 | 17.60 | -1,592.50 | 867.90 | 1,014.49 | 966.97 | 47.52 | 21.348 | | |
| 9,000.00 | 7,157.43 | 7,200.00 | 6,754.97 | 37.35 | 28.30 | 17.60 | -1,592.50 | 867.90 | 1,106.19 | 1,058.41 | 47.78 | 23.151 | | |
| 9,100.00 | 7,157.32 | 7,200.00 | 6,754.97 | 38.75 | 28.30 | 17.60 | -1,592.50 | 867.90 | 1,199.22 | 1,151.24 | 47.98 | 24.992 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 32N-30C-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 89.58 | 1.09 | 150.17 | 150.18 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 89.58 | 1.09 | 150.17 | 150.18 | 142.65 | 7.53 | 19.946 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 89.58 | 1.09 | 150.17 | 150.18 | 142.60 | 7.57 | 19.829 | |
| 300.00 | 299.98 | 296.52 | 296.50 | 3.34 | 3.34 | -93.36 | -0.32 | 150.98 | 151.09 | 143.44 | 7.65 | 19.749 | |
| 400.00 | 399.84 | 393.97 | 393.82 | 3.40 | 3.40 | -93.59 | -4.61 | 153.42 | 153.87 | 146.10 | 7.76 | 19.825 | |
| 500.00 | 499.45 | 491.31 | 490.81 | 3.49 | 3.48 | -93.95 | -11.77 | 157.49 | 158.51 | 150.58 | 7.92 | 20.008 | |
| 600.00 | 598.70 | 588.50 | 587.31 | 3.60 | 3.59 | -94.42 | -21.77 | 163.18 | 165.01 | 156.87 | 8.14 | 20.267 | |
| 700.00 | 697.47 | 685.50 | 683.17 | 3.75 | 3.73 | -94.95 | -34.57 | 170.47 | 173.38 | 164.95 | 8.43 | 20.567 | |
| 800.00 | 795.62 | 782.24 | 778.24 | 3.95 | 3.92 | -95.52 | -50.15 | 179.34 | 183.61 | 174.81 | 8.80 | 20.871 | |
| 900.00 | 893.30 | 878.71 | 872.38 | 4.18 | 4.15 | -95.99 | -68.45 | 189.76 | 195.57 | 186.33 | 9.25 | 21.152 | |
| 1,000.00 | 990.96 | 976.72 | 967.40 | 4.45 | 4.43 | -95.80 | -89.31 | 201.64 | 208.73 | 198.96 | 9.77 | 21.360 | |
| 1,100.00 | 1,088.62 | 1,075.83 | 1,063.44 | 4.74 | 4.75 | -95.57 | -110.62 | 213.76 | 222.00 | 211.64 | 10.36 | 21.426 | |
| 1,200.00 | 1,186.28 | 1,174.95 | 1,159.47 | 5.05 | 5.09 | -95.37 | -131.92 | 225.89 | 235.28 | 224.28 | 11.00 | 21.396 | |
| 1,300.00 | 1,283.94 | 1,274.06 | 1,255.50 | 5.38 | 5.46 | -95.19 | -153.23 | 238.02 | 248.55 | 236.88 | 11.67 | 21.301 | |
| 1,400.00 | 1,381.60 | 1,373.17 | 1,351.53 | 5.73 | 5.85 | -95.03 | -174.53 | 250.14 | 261.83 | 249.46 | 12.37 | 21.166 | |
| 1,500.00 | 1,479.26 | 1,472.28 | 1,447.57 | 6.08 | 6.25 | -94.88 | -195.84 | 262.27 | 275.11 | 262.01 | 13.10 | 21.002 | |
| 1,600.00 | 1,576.92 | 1,571.39 | 1,543.60 | 6.45 | 6.66 | -94.75 | -217.14 | 274.40 | 288.39 | 274.54 | 13.85 | 20.824 | |
| 1,700.00 | 1,674.58 | 1,670.51 | 1,639.63 | 6.82 | 7.08 | -94.63 | -238.44 | 286.53 | 301.68 | 287.06 | 14.62 | 20.641 | |
| 1,800.00 | 1,772.24 | 1,769.62 | 1,735.66 | 7.21 | 7.51 | -94.52 | -259.75 | 298.65 | 314.96 | 299.56 | 15.40 | 20.456 | |
| 1,900.00 | 1,869.90 | 1,868.73 | 1,831.70 | 7.42 | 7.81 | -94.42 | -281.05 | 310.78 | 328.25 | 312.74 | 15.51 | 21.166 | |
| 2,000.00 | 1,967.56 | 1,967.84 | 1,927.73 | 7.47 | 7.92 | -94.33 | -302.36 | 322.91 | 341.53 | 325.87 | 15.67 | 21.800 | |
| 2,100.00 | 2,065.22 | 2,066.95 | 2,023.76 | 7.54 | 8.00 | -94.24 | -323.66 | 335.04 | 354.82 | 339.02 | 15.80 | 22.451 | |
| 2,200.00 | 2,162.88 | 2,166.06 | 2,119.79 | 7.63 | 8.09 | -94.16 | -344.96 | 347.16 | 368.11 | 352.13 | 15.98 | 23.035 | |
| 2,300.00 | 2,260.54 | 2,265.18 | 2,215.83 | 7.74 | 8.21 | -94.08 | -366.27 | 359.29 | 381.40 | 365.21 | 16.19 | 23.553 | |
| 2,400.00 | 2,358.20 | 2,364.29 | 2,311.86 | 7.87 | 8.34 | -94.01 | -387.57 | 371.42 | 394.69 | 378.25 | 16.44 | 24.005 | |
| 2,500.00 | 2,455.85 | 2,463.40 | 2,407.89 | 8.01 | 8.49 | -93.95 | -408.88 | 383.54 | 407.98 | 391.25 | 16.72 | 24.394 | |
| 2,600.00 | 2,553.51 | 2,562.51 | 2,503.92 | 8.17 | 8.66 | -93.89 | -430.18 | 395.67 | 421.27 | 404.23 | 17.04 | 24.723 | |
| 2,700.00 | 2,651.17 | 2,661.62 | 2,599.96 | 8.34 | 8.84 | -93.83 | -451.49 | 407.80 | 434.56 | 417.18 | 17.38 | 24.996 | |
| 2,800.00 | 2,748.83 | 2,760.74 | 2,695.99 | 8.52 | 9.04 | -93.78 | -472.79 | 419.93 | 447.85 | 430.09 | 17.76 | 25.219 | |
| 2,900.00 | 2,846.49 | 2,859.85 | 2,792.02 | 8.72 | 9.25 | -93.73 | -494.09 | 432.05 | 461.14 | 442.98 | 18.16 | 25.394 | |
| 3,000.00 | 2,944.15 | 2,958.96 | 2,888.05 | 8.93 | 9.47 | -93.68 | -515.40 | 444.18 | 474.44 | 455.85 | 18.58 | 25.528 | |
| 3,100.00 | 3,041.81 | 3,058.07 | 2,984.09 | 9.16 | 9.71 | -93.63 | -536.70 | 456.31 | 487.73 | 468.69 | 19.03 | 25.625 | |
| 3,200.00 | 3,139.47 | 3,157.18 | 3,080.12 | 9.39 | 9.96 | -93.59 | -558.01 | 468.43 | 501.02 | 481.52 | 19.50 | 25.688 | |
| 3,300.00 | 3,237.13 | 3,256.30 | 3,176.15 | 9.63 | 10.21 | -93.55 | -579.31 | 480.56 | 514.31 | 494.32 | 19.99 | 25.723 | |
| 3,400.00 | 3,334.79 | 3,355.41 | 3,272.18 | 9.88 | 10.48 | -93.51 | -600.62 | 492.69 | 527.61 | 507.10 | 20.50 | 25.733 | |
| 3,500.00 | 3,432.45 | 3,454.52 | 3,368.22 | 10.14 | 10.76 | -93.47 | -621.92 | 504.82 | 540.90 | 519.87 | 21.03 | 25.722 | |
| 3,600.00 | 3,530.11 | 3,553.63 | 3,464.25 | 10.41 | 11.04 | -93.44 | -643.22 | 516.94 | 554.19 | 532.62 | 21.57 | 25.692 | |
| 3,700.00 | 3,627.77 | 3,652.74 | 3,560.28 | 10.68 | 11.34 | -93.40 | -664.53 | 529.07 | 567.49 | 545.36 | 22.13 | 25.647 | |
| 3,800.00 | 3,725.43 | 3,751.86 | 3,656.31 | 10.96 | 11.64 | -93.37 | -685.83 | 541.20 | 580.78 | 558.08 | 22.70 | 25.589 | |
| 3,900.00 | 3,823.09 | 3,850.97 | 3,752.35 | 11.25 | 11.94 | -93.34 | -707.14 | 553.33 | 594.08 | 570.80 | 23.28 | 25.519 | |
| 4,000.00 | 3,920.75 | 3,950.08 | 3,848.38 | 11.54 | 12.25 | -93.31 | -728.44 | 565.45 | 607.37 | 583.50 | 23.87 | 25.441 | |
| 4,100.00 | 4,018.41 | 4,049.19 | 3,944.41 | 11.84 | 12.57 | -93.29 | -749.74 | 577.58 | 620.66 | 596.19 | 24.48 | 25.356 | |
| 4,200.00 | 4,116.07 | 4,148.30 | 4,040.44 | 12.14 | 12.90 | -93.26 | -771.05 | 589.71 | 633.96 | 608.87 | 25.09 | 25.264 | |
| 4,300.00 | 4,213.73 | 4,247.41 | 4,136.47 | 12.45 | 13.22 | -93.23 | -792.35 | 601.83 | 647.25 | 621.54 | 25.72 | 25.168 | |
| 4,400.00 | 4,311.39 | 4,346.53 | 4,232.51 | 12.76 | 13.56 | -93.21 | -813.66 | 613.96 | 660.55 | 634.20 | 26.35 | 25.069 | |
| 4,500.00 | 4,409.05 | 4,445.64 | 4,328.54 | 13.08 | 13.89 | -93.19 | -834.96 | 626.09 | 673.84 | 646.85 | 26.99 | 24.967 | |
| 4,600.00 | 4,506.71 | 4,544.75 | 4,424.57 | 13.40 | 14.23 | -93.16 | -856.27 | 638.22 | 687.14 | 659.50 | 27.64 | 24.863 | |
| 4,700.00 | 4,604.37 | 4,643.86 | 4,520.60 | 13.72 | 14.58 | -93.14 | -877.57 | 650.34 | 700.43 | 672.14 | 28.29 | 24.757 | |
| 4,800.00 | 4,702.03 | 4,742.97 | 4,616.64 | 14.04 | 14.92 | -93.12 | -898.87 | 662.47 | 713.73 | 684.78 | 28.95 | 24.651 | |
| 4,900.00 | 4,799.69 | 4,842.09 | 4,712.67 | 14.37 | 15.27 | -93.10 | -920.18 | 674.60 | 727.02 | 697.40 | 29.62 | 24.545 | |
| 5,000.00 | 4,897.35 | 4,941.20 | 4,808.70 | 14.70 | 15.63 | -93.08 | -941.48 | 686.73 | 740.32 | 710.03 | 30.29 | 24.439 | |
| 5,100.00 | 4,995.01 | 5,040.31 | 4,904.73 | 15.03 | 15.98 | -93.06 | -962.79 | 698.85 | 753.62 | 722.65 | 30.97 | 24.334 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 32N-30C-M - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: 0.00 usft | |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|------------------------------|---------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: 3.28 usft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,200.00 | 5,092.67 | 5,139.42 | 5,000.77 | 15.37 | 16.34 | -93.04 | -984.09 | 710.98 | 766.91 | 735.26 | 31.65 | 24.229 | | |
| 5,300.00 | 5,190.33 | 5,238.53 | 5,096.80 | 15.71 | 16.70 | -93.03 | -1,005.40 | 723.11 | 780.21 | 747.87 | 32.34 | 24.125 | | |
| 5,400.00 | 5,287.99 | 5,337.65 | 5,192.83 | 16.05 | 17.06 | -93.01 | -1,026.70 | 735.23 | 793.50 | 760.47 | 33.03 | 24.023 | | |
| 5,500.00 | 5,385.65 | 5,436.76 | 5,288.86 | 16.39 | 17.43 | -92.99 | -1,048.00 | 747.36 | 806.80 | 773.07 | 33.73 | 23.922 | | |
| 5,600.00 | 5,483.31 | 5,535.87 | 5,384.90 | 16.73 | 17.79 | -92.98 | -1,069.31 | 759.49 | 820.09 | 785.67 | 34.43 | 23.822 | | |
| 5,700.00 | 5,580.97 | 5,634.98 | 5,480.93 | 17.08 | 18.16 | -92.96 | -1,090.61 | 771.62 | 833.39 | 798.26 | 35.13 | 23.725 | | |
| 5,800.00 | 5,678.63 | 5,734.09 | 5,576.96 | 17.42 | 18.53 | -92.95 | -1,111.92 | 783.74 | 846.69 | 810.85 | 35.83 | 23.628 | | |
| 5,900.00 | 5,776.29 | 5,833.21 | 5,672.99 | 17.77 | 18.91 | -92.93 | -1,133.22 | 795.87 | 859.98 | 823.44 | 36.54 | 23.534 | | |
| 6,000.00 | 5,873.95 | 5,932.32 | 5,769.03 | 18.12 | 19.28 | -92.92 | -1,154.52 | 808.00 | 873.28 | 836.02 | 37.25 | 23.441 | | |
| 6,100.00 | 5,971.61 | 6,031.43 | 5,865.06 | 18.47 | 19.65 | -92.90 | -1,175.83 | 820.13 | 886.58 | 848.61 | 37.97 | 23.350 | | |
| 6,200.00 | 6,069.26 | 6,130.54 | 5,961.09 | 18.82 | 20.03 | -92.89 | -1,197.13 | 832.25 | 899.87 | 861.19 | 38.69 | 23.261 | | |
| 6,300.00 | 6,166.92 | 6,229.65 | 6,057.12 | 19.18 | 20.41 | -92.88 | -1,218.44 | 844.38 | 913.17 | 873.76 | 39.41 | 23.173 | | |
| 6,400.00 | 6,264.58 | 6,328.76 | 6,153.16 | 19.53 | 20.79 | -92.87 | -1,239.74 | 856.51 | 926.46 | 886.34 | 40.13 | 23.088 | | |
| 6,500.00 | 6,362.24 | 6,424.15 | 6,237.56 | 19.89 | 21.17 | -92.86 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 6,600.00 | 6,459.90 | 6,521.41 | 6,237.56 | 20.24 | 21.26 | -100.36 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 6,700.00 | 6,557.56 | 6,619.63 | 6,237.56 | 20.59 | 21.27 | 100.83 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 6,800.00 | 6,654.52 | 6,716.44 | 6,237.56 | 20.88 | 21.19 | 131.11 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 6,900.00 | 6,748.60 | 6,809.86 | 6,237.61 | 21.16 | 21.04 | 147.44 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 7,000.00 | 6,837.47 | 6,897.55 | 6,237.66 | 21.44 | 21.86 | 155.82 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 7,100.00 | 6,918.94 | 6,972.51 | 6,237.73 | 21.70 | 22.78 | 160.61 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 7,200.00 | 6,991.02 | 7,045.11 | 6,237.82 | 21.95 | 22.76 | 163.61 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 7,300.00 | 7,051.93 | 7,107.01 | 6,237.92 | 22.19 | 22.81 | 165.60 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 7,400.00 | 7,100.16 | 7,155.34 | 6,237.10 | 22.43 | 22.90 | 167.02 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 7,500.00 | 7,134.53 | 7,189.69 | 6,222.63 | 22.69 | 23.01 | 168.25 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 7,600.00 | 7,154.20 | 7,209.44 | 6,214.32 | 23.01 | 23.09 | 170.13 | -1,261.04 | 868.64 | 939.75 | 899.03 | 40.85 | 22.999 | | |
| 7,691.84 | 7,160.17 | 7,215.32 | 6,159.60 | 23.38 | 23.14 | -102.63 | -1,462.38 | 582.86 | 1.96 | -40.06 | 42.02 | 0.047 Level 1, CC, ES, SF | | |
| 7,700.00 | 7,158.98 | 7,213.58 | 6,155.89 | 23.42 | 23.14 | -49.94 | -1,461.57 | 589.60 | 3.57 | -29.85 | 33.41 | 0.107 Level 1 | | |
| 7,800.00 | 7,158.86 | 7,208.79 | 6,113.06 | 23.96 | 23.17 | -15.04 | -1,452.18 | 656.20 | 58.05 | 23.54 | 34.51 | 1.682 | | |
| 7,900.00 | 7,158.74 | 7,203.60 | 6,070.92 | 24.64 | 23.17 | -13.86 | -1,442.92 | 707.68 | 122.32 | 86.00 | 36.31 | 3.368 | | |
| 8,000.00 | 7,158.62 | 7,198.41 | 6,031.78 | 25.44 | 23.16 | -13.46 | -1,434.31 | 747.03 | 193.69 | 155.91 | 37.79 | 5.126 | | |
| 8,100.00 | 7,158.50 | 7,193.43 | 6,096.55 | 26.35 | 23.14 | -13.27 | -1,426.55 | 777.12 | 270.49 | 231.52 | 38.98 | 6.940 | | |
| 8,200.00 | 7,158.38 | 7,188.95 | 6,065.35 | 27.36 | 23.12 | -13.15 | -1,419.67 | 800.29 | 351.46 | 311.52 | 39.94 | 8.800 | | |
| 8,300.00 | 7,158.26 | 7,183.00 | 6,035.76 | 28.43 | 23.09 | -13.07 | -1,413.14 | 819.63 | 435.65 | 395.02 | 40.63 | 10.723 | | |
| 8,400.00 | 7,158.15 | 7,178.10 | 6,013.81 | 29.58 | 23.07 | -13.02 | -1,408.30 | 832.48 | 522.33 | 481.00 | 41.33 | 12.637 | | |
| 8,500.00 | 7,158.03 | 7,173.00 | 6,092.94 | 30.77 | 23.04 | -12.98 | -1,403.69 | 843.62 | 611.02 | 569.17 | 41.86 | 14.599 | | |
| 8,600.00 | 7,157.91 | 7,168.46 | 6,073.95 | 32.02 | 23.02 | -12.95 | -1,399.50 | 852.88 | 701.31 | 659.04 | 42.27 | 16.590 | | |
| 8,700.00 | 7,157.79 | 7,163.00 | 6,048.41 | 33.30 | 22.99 | -12.92 | -1,393.85 | 864.09 | 793.03 | 750.54 | 42.49 | 18.666 | | |
| 8,800.00 | 7,157.67 | 7,158.00 | 6,048.41 | 34.62 | 22.99 | -12.92 | -1,393.85 | 864.09 | 885.58 | 842.57 | 43.01 | 20.591 | | |
| 8,900.00 | 7,157.55 | 7,153.34 | 6,029.58 | 35.97 | 22.96 | -12.90 | -1,389.69 | 871.50 | 979.05 | 935.86 | 43.19 | 22.668 | | |
| 9,000.00 | 7,157.43 | 7,148.54 | 6,017.80 | 37.35 | 22.94 | -12.88 | -1,387.09 | 875.77 | 1,073.30 | 1,029.88 | 43.42 | 24.721 | | |
| 9,100.00 | 7,157.32 | 7,143.00 | 6,002.45 | 38.75 | 22.92 | -12.87 | -1,383.69 | 880.93 | 1,168.20 | 1,124.63 | 43.57 | 26.811 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 40N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 179.20 | -20.04 | 0.28 | 20.04 | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | 179.20 | -20.04 | 0.28 | 20.04 | 12.51 | 7.53 | 2.662 | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | 179.20 | -20.04 | 0.28 | 20.04 | 12.47 | 7.57 | 2.646 | | |
| 300.00 | 299.98 | 299.31 | 299.29 | 3.34 | 3.34 | -3.68 | -21.76 | 0.21 | 20.03 | 12.38 | 7.65 | 2.619 | | |
| 400.00 | 399.84 | 398.61 | 398.45 | 3.40 | 3.40 | -3.79 | -26.92 | -0.02 | 20.00 | 12.25 | 7.75 | 2.580 | | |
| 500.00 | 499.45 | 497.92 | 497.39 | 3.49 | 3.49 | -3.98 | -35.50 | -0.38 | 19.94 | 12.05 | 7.89 | 2.527 | | |
| 600.00 | 598.70 | 597.23 | 595.96 | 3.60 | 3.60 | -4.23 | -47.51 | -0.90 | 19.86 | 11.79 | 8.07 | 2.462 | | |
| 700.00 | 697.47 | 696.55 | 694.07 | 3.75 | 3.75 | -4.57 | -62.93 | -1.56 | 19.76 | 11.48 | 8.28 | 2.386 | | |
| 800.00 | 795.62 | 795.87 | 791.58 | 3.95 | 3.94 | -4.98 | -81.73 | -2.36 | 19.64 | 11.10 | 8.54 | 2.299 | | |
| 804.83 | 800.35 | 800.66 | 796.27 | 3.96 | 3.95 | -5.00 | -82.72 | -2.40 | 19.64 | 11.08 | 8.56 | 2.295 CC | | |
| 900.00 | 893.30 | 895.17 | 888.37 | 4.18 | 4.17 | -5.19 | -103.90 | -3.31 | 20.58 | 11.74 | 8.84 | 2.327 | | |
| 1,000.00 | 990.96 | 994.75 | 984.72 | 4.45 | 4.46 | -4.79 | -129.01 | -4.38 | 24.43 | 15.22 | 9.21 | 2.652 | | |
| 1,100.00 | 1,088.62 | 1,105.34 | 1,081.29 | 4.74 | 4.82 | -4.43 | -154.60 | -5.48 | 28.67 | 19.00 | 9.67 | 2.965 | | |
| 1,200.00 | 1,186.28 | 1,205.43 | 1,177.86 | 5.05 | 5.17 | -4.17 | -180.18 | -6.57 | 32.91 | 22.78 | 10.13 | 3.248 | | |
| 1,300.00 | 1,283.94 | 1,305.52 | 1,274.44 | 5.38 | 5.54 | -3.97 | -205.76 | -7.67 | 37.15 | 26.53 | 10.63 | 3.496 | | |
| 1,400.00 | 1,381.60 | 1,405.61 | 1,371.01 | 5.73 | 5.93 | -3.81 | -231.34 | -8.76 | 41.39 | 30.25 | 11.14 | 3.716 | | |
| 1,500.00 | 1,479.26 | 1,494.30 | 1,467.58 | 6.08 | 6.28 | -3.68 | -256.93 | -9.86 | 45.63 | 33.99 | 11.64 | 3.920 | | |
| 1,600.00 | 1,576.92 | 1,605.79 | 1,564.15 | 6.45 | 6.74 | -3.58 | -282.51 | -10.95 | 49.88 | 37.65 | 12.22 | 4.081 | | |
| 1,700.00 | 1,674.58 | 1,705.88 | 1,660.73 | 6.82 | 7.16 | -3.49 | -308.09 | -12.05 | 54.12 | 41.33 | 12.79 | 4.232 | | |
| 1,800.00 | 1,772.24 | 1,805.97 | 1,757.30 | 7.21 | 7.58 | -3.41 | -333.67 | -13.14 | 58.36 | 45.01 | 13.36 | 4.370 | | |
| 1,900.00 | 1,869.90 | 1,893.94 | 1,853.87 | 7.42 | 7.79 | -3.34 | -359.26 | -14.24 | 62.60 | 49.35 | 13.25 | 4.724 | | |
| 2,000.00 | 1,967.56 | 1,993.85 | 1,950.45 | 7.47 | 7.87 | -3.28 | -384.84 | -15.33 | 66.85 | 53.55 | 13.30 | 5.027 | | |
| 2,100.00 | 2,065.22 | 2,106.24 | 2,047.02 | 7.54 | 7.96 | -3.23 | -410.42 | -16.42 | 71.09 | 57.71 | 13.38 | 5.315 | | |
| 2,200.00 | 2,162.88 | 2,193.67 | 2,143.59 | 7.63 | 8.06 | -3.18 | -436.00 | -17.52 | 75.33 | 61.85 | 13.48 | 5.589 | | |
| 2,300.00 | 2,260.54 | 2,306.42 | 2,240.16 | 7.74 | 8.20 | -3.14 | -461.59 | -18.61 | 79.57 | 65.94 | 13.63 | 5.836 | | |
| 2,400.00 | 2,358.20 | 2,406.51 | 2,336.74 | 7.87 | 8.35 | -3.11 | -487.17 | -19.71 | 83.82 | 70.00 | 13.82 | 6.067 | | |
| 2,500.00 | 2,455.85 | 2,506.60 | 2,433.31 | 8.01 | 8.51 | -3.07 | -512.75 | -20.80 | 88.06 | 74.03 | 14.03 | 6.277 | | |
| 2,600.00 | 2,553.51 | 2,606.69 | 2,529.88 | 8.17 | 8.70 | -3.04 | -538.33 | -21.90 | 92.30 | 78.03 | 14.28 | 6.466 | | |
| 2,700.00 | 2,651.17 | 2,706.78 | 2,626.46 | 8.34 | 8.90 | -3.02 | -563.92 | -22.99 | 96.55 | 82.00 | 14.55 | 6.635 | | |
| 2,800.00 | 2,748.83 | 2,793.13 | 2,723.03 | 8.52 | 9.08 | -2.99 | -589.50 | -24.09 | 100.79 | 85.96 | 14.83 | 6.796 | | |
| 2,900.00 | 2,846.49 | 2,906.96 | 2,819.60 | 8.72 | 9.34 | -2.97 | -615.08 | -25.18 | 105.03 | 89.85 | 15.18 | 6.918 | | |
| 3,000.00 | 2,944.15 | 3,007.05 | 2,916.18 | 8.93 | 9.58 | -2.95 | -640.66 | -26.28 | 109.27 | 93.74 | 15.53 | 7.034 | | |
| 3,100.00 | 3,041.81 | 3,107.14 | 3,012.75 | 9.16 | 9.83 | -2.93 | -666.25 | -27.37 | 113.52 | 97.61 | 15.91 | 7.135 | | |
| 3,200.00 | 3,139.47 | 3,207.23 | 3,109.32 | 9.39 | 10.09 | -2.91 | -691.83 | -28.46 | 117.76 | 101.45 | 16.31 | 7.221 | | |
| 3,300.00 | 3,237.13 | 3,307.32 | 3,205.89 | 9.63 | 10.36 | -2.89 | -717.41 | -29.56 | 122.00 | 105.28 | 16.72 | 7.295 | | |
| 3,400.00 | 3,334.79 | 3,407.42 | 3,302.47 | 9.88 | 10.65 | -2.88 | -742.99 | -30.65 | 126.25 | 109.09 | 17.16 | 7.357 | | |
| 3,500.00 | 3,432.45 | 3,492.50 | 3,399.04 | 10.14 | 10.89 | -2.86 | -768.58 | -31.75 | 130.49 | 112.91 | 17.57 | 7.425 | | |
| 3,600.00 | 3,530.11 | 3,607.60 | 3,495.61 | 10.41 | 11.24 | -2.85 | -794.16 | -32.84 | 134.73 | 116.65 | 18.08 | 7.453 | | |
| 3,700.00 | 3,627.77 | 3,707.69 | 3,592.19 | 10.68 | 11.54 | -2.83 | -819.74 | -33.94 | 138.97 | 120.42 | 18.56 | 7.489 | | |
| 3,800.00 | 3,725.43 | 3,807.78 | 3,688.76 | 10.96 | 11.86 | -2.82 | -845.32 | -35.03 | 143.22 | 124.17 | 19.05 | 7.517 | | |
| 3,900.00 | 3,823.09 | 3,907.87 | 3,785.33 | 11.25 | 12.18 | -2.81 | -870.91 | -36.13 | 147.46 | 127.90 | 19.56 | 7.540 | | |
| 4,000.00 | 3,920.75 | 4,007.96 | 3,881.91 | 11.54 | 12.50 | -2.80 | -896.49 | -37.22 | 151.70 | 131.63 | 20.08 | 7.557 | | |
| 4,100.00 | 4,018.41 | 4,108.05 | 3,978.48 | 11.84 | 12.83 | -2.79 | -922.07 | -38.32 | 155.95 | 135.34 | 20.60 | 7.569 | | |
| 4,200.00 | 4,116.07 | 4,208.14 | 4,075.05 | 12.14 | 13.17 | -2.78 | -947.65 | -39.41 | 160.19 | 139.05 | 21.14 | 7.578 | | |
| 4,300.00 | 4,213.73 | 4,291.77 | 4,171.62 | 12.45 | 13.46 | -2.77 | -973.24 | -40.51 | 164.43 | 142.79 | 21.64 | 7.599 | | |
| 4,400.00 | 4,311.39 | 4,391.68 | 4,268.20 | 12.76 | 13.80 | -2.76 | -998.82 | -41.60 | 168.67 | 146.48 | 22.19 | 7.601 | | |
| 4,500.00 | 4,409.05 | 4,508.41 | 4,364.77 | 13.08 | 14.21 | -2.75 | -1,024.40 | -42.69 | 172.92 | 150.12 | 22.80 | 7.584 | | |
| 4,600.00 | 4,506.71 | 4,608.50 | 4,461.34 | 13.40 | 14.56 | -2.74 | -1,049.98 | -43.79 | 177.16 | 153.79 | 23.37 | 7.581 | | |
| 4,700.00 | 4,604.37 | 4,691.41 | 4,557.92 | 13.72 | 14.85 | -2.74 | -1,075.57 | -44.88 | 181.40 | 157.51 | 23.89 | 7.593 | | |
| 4,800.00 | 4,702.03 | 4,791.32 | 4,654.49 | 14.04 | 15.21 | -2.73 | -1,101.15 | -45.98 | 185.65 | 161.18 | 24.47 | 7.587 | | |
| 4,900.00 | 4,799.69 | 4,908.77 | 4,751.06 | 14.37 | 15.63 | -2.72 | -1,126.73 | -47.07 | 189.89 | 164.78 | 25.11 | 7.563 | | |
| 5,000.00 | 4,897.35 | 5,008.86 | 4,847.63 | 14.70 | 16.00 | -2.71 | -1,152.31 | -48.17 | 194.13 | 168.43 | 25.70 | 7.554 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 40N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: 0.00 usft | |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: 3.28 usft | |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,100.00 | 4,995.01 | 5,108.95 | 4,944.21 | 15.03 | 16.37 | -2.71 | -1,177.89 | -49.26 | 198.38 | 172.08 | 26.30 | 7.544 | | |
| 5,200.00 | 5,092.67 | 5,209.04 | 5,040.78 | 15.37 | 16.74 | -2.70 | -1,203.48 | -50.36 | 202.62 | 175.72 | 26.90 | 7.533 | | |
| 5,300.00 | 5,190.33 | 5,309.13 | 5,137.35 | 15.71 | 17.11 | -2.70 | -1,229.06 | -51.45 | 206.86 | 179.36 | 27.50 | 7.522 | | |
| 5,400.00 | 5,287.99 | 5,409.22 | 5,233.93 | 16.05 | 17.48 | -2.69 | -1,254.64 | -52.55 | 211.10 | 182.99 | 28.11 | 7.510 | | |
| 5,500.00 | 5,385.65 | 5,509.31 | 5,330.50 | 16.39 | 17.86 | -2.69 | -1,280.22 | -53.64 | 215.35 | 186.63 | 28.72 | 7.498 | | |
| 5,600.00 | 5,483.31 | 5,609.40 | 5,427.07 | 16.73 | 18.24 | -2.68 | -1,305.81 | -54.74 | 219.59 | 190.25 | 29.34 | 7.485 | | |
| 5,700.00 | 5,580.97 | 5,709.49 | 5,523.65 | 17.08 | 18.62 | -2.68 | -1,331.39 | -55.83 | 223.83 | 193.88 | 29.96 | 7.472 | | |
| 5,800.00 | 5,678.63 | 5,809.58 | 5,620.22 | 17.42 | 19.00 | -2.67 | -1,356.97 | -56.92 | 228.08 | 197.50 | 30.58 | 7.459 | | |
| 5,900.00 | 5,776.29 | 5,909.67 | 5,716.79 | 17.77 | 19.38 | -2.67 | -1,382.55 | -58.02 | 232.32 | 201.12 | 31.20 | 7.445 | | |
| 6,000.00 | 5,873.95 | 6,009.76 | 5,813.36 | 18.12 | 19.76 | -2.66 | -1,408.14 | -59.11 | 236.56 | 204.73 | 31.83 | 7.432 | | |
| 6,100.00 | 5,971.61 | 6,109.85 | 5,909.94 | 18.47 | 20.15 | -2.66 | -1,433.72 | -60.21 | 240.81 | 208.35 | 32.46 | 7.419 | | |
| 6,200.00 | 6,069.26 | 6,209.94 | 6,006.51 | 18.82 | 20.54 | -2.65 | -1,459.30 | -61.30 | 245.05 | 211.96 | 33.09 | 7.405 | | |
| 6,300.00 | 6,166.92 | 6,289.97 | 6,103.08 | 19.18 | 20.85 | -2.65 | -1,484.88 | -62.40 | 249.29 | 215.63 | 33.66 | 7.406 | | |
| 6,400.00 | 6,264.58 | 6,389.88 | 6,199.66 | 19.53 | 21.24 | -2.64 | -1,510.47 | -63.49 | 253.53 | 219.24 | 34.30 | 7.393 | | |
| 6,500.00 | 6,362.24 | 6,489.79 | 6,296.23 | 19.89 | 21.62 | -2.64 | -1,536.05 | -64.59 | 257.78 | 222.84 | 34.93 | 7.379 | | |
| 6,600.00 | 6,459.90 | 6,589.70 | 6,392.80 | 20.24 | 22.01 | -2.64 | -1,561.63 | -65.68 | 262.02 | 226.45 | 35.57 | 7.366 | | |
| 6,700.00 | 6,557.56 | 6,689.60 | 6,489.37 | 20.59 | 22.41 | 8.45 | -1,587.21 | -66.78 | 266.26 | 230.06 | 36.21 | 7.354 | | |
| 6,800.00 | 6,654.52 | 6,788.68 | 6,585.13 | 20.88 | 22.80 | 42.75 | -1,612.58 | -67.86 | 270.77 | 233.98 | 36.79 | 7.360 | | |
| 6,900.00 | 6,748.60 | 6,889.23 | 6,682.19 | 21.16 | 23.14 | 63.44 | -1,638.29 | -64.20 | 276.84 | 239.41 | 37.43 | 7.397 | | |
| 7,000.00 | 6,837.47 | 6,994.36 | 6,781.78 | 21.44 | 23.47 | 75.92 | -1,664.70 | -43.95 | 284.44 | 246.29 | 38.15 | 7.456 | | |
| 7,100.00 | 6,918.94 | 7,103.95 | 6,880.70 | 21.70 | 23.81 | 84.40 | -1,690.93 | -5.12 | 293.04 | 254.19 | 38.85 | 7.543 | | |
| 7,200.00 | 6,991.02 | 7,218.22 | 6,975.39 | 21.95 | 24.14 | 90.58 | -1,716.07 | 53.40 | 301.99 | 262.58 | 39.42 | 7.661 | | |
| 7,300.00 | 7,051.93 | 7,337.16 | 7,061.56 | 22.19 | 24.46 | 95.19 | -1,738.96 | 131.87 | 310.55 | 270.78 | 39.76 | 7.810 | | |
| 7,400.00 | 7,100.16 | 7,460.46 | 7,134.40 | 22.43 | 24.77 | 98.55 | -1,758.34 | 229.20 | 317.95 | 277.99 | 39.96 | 7.957 | | |
| 7,500.00 | 7,134.53 | 7,587.40 | 7,189.02 | 22.69 | 25.08 | 100.82 | -1,772.91 | 342.63 | 323.50 | 283.38 | 40.13 | 8.062 | | |
| 7,600.00 | 7,154.20 | 7,716.89 | 7,221.23 | 23.01 | 25.43 | 102.06 | -1,781.55 | 467.51 | 326.67 | 286.21 | 40.46 | 8.073 | | |
| 7,700.00 | 7,158.98 | 7,840.36 | 7,229.03 | 23.42 | 25.85 | 102.36 | -1,783.72 | 590.56 | 327.25 | 286.02 | 41.23 | 7.936 | | |
| 7,800.00 | 7,158.86 | 7,940.36 | 7,229.18 | 23.96 | 26.30 | 102.41 | -1,783.85 | 690.56 | 327.17 | 284.54 | 42.64 | 7.674 | | |
| 7,900.00 | 7,158.74 | 8,040.36 | 7,229.34 | 24.64 | 26.87 | 102.46 | -1,783.98 | 790.56 | 327.09 | 282.86 | 44.23 | 7.395 | | |
| 8,000.00 | 7,158.62 | 8,140.36 | 7,229.49 | 25.44 | 27.56 | 102.52 | -1,784.10 | 890.56 | 327.02 | 281.00 | 46.01 | 7.107 | | |
| 8,100.00 | 7,158.50 | 8,240.36 | 7,229.64 | 26.35 | 28.36 | 102.57 | -1,784.23 | 990.56 | 326.94 | 278.99 | 47.95 | 6.818 | | |
| 8,200.00 | 7,158.38 | 8,340.36 | 7,229.80 | 27.36 | 29.25 | 102.62 | -1,784.36 | 1,090.56 | 326.86 | 276.83 | 50.03 | 6.533 | | |
| 8,300.00 | 7,158.26 | 8,440.36 | 7,229.95 | 28.43 | 30.23 | 102.67 | -1,784.48 | 1,190.55 | 326.78 | 274.55 | 52.24 | 6.256 | | |
| 8,400.00 | 7,158.15 | 8,540.36 | 7,230.10 | 29.58 | 31.28 | 102.72 | -1,784.61 | 1,290.55 | 326.71 | 272.16 | 54.55 | 5.989 | | |
| 8,500.00 | 7,158.03 | 8,640.36 | 7,230.25 | 30.77 | 32.39 | 102.78 | -1,784.74 | 1,390.55 | 326.63 | 269.67 | 56.96 | 5.735 | | |
| 8,600.00 | 7,157.91 | 8,740.36 | 7,230.41 | 32.02 | 33.56 | 102.83 | -1,784.86 | 1,490.55 | 326.55 | 267.11 | 59.45 | 5.493 | | |
| 8,700.00 | 7,157.79 | 8,840.36 | 7,230.56 | 33.30 | 34.77 | 102.88 | -1,784.99 | 1,590.55 | 326.48 | 264.47 | 62.01 | 5.265 | | |
| 8,800.00 | 7,157.67 | 8,940.36 | 7,230.71 | 34.62 | 36.03 | 102.93 | -1,785.12 | 1,690.55 | 326.40 | 261.76 | 64.64 | 5.050 | | |
| 8,900.00 | 7,157.55 | 9,040.36 | 7,230.87 | 35.97 | 37.32 | 102.98 | -1,785.24 | 1,790.55 | 326.33 | 259.00 | 67.32 | 4.847 | | |
| 9,000.00 | 7,157.43 | 9,140.36 | 7,231.02 | 37.35 | 38.64 | 103.04 | -1,785.37 | 1,890.55 | 326.25 | 256.20 | 70.06 | 4.657 | | |
| 9,100.00 | 7,157.32 | 9,240.35 | 7,231.17 | 38.75 | 39.99 | 103.09 | -1,785.50 | 1,990.55 | 326.18 | 253.34 | 72.83 | 4.478 | | |
| 9,200.00 | 7,157.20 | 9,340.35 | 7,231.33 | 40.17 | 41.36 | 103.14 | -1,785.62 | 2,090.55 | 326.10 | 250.45 | 75.65 | 4.311 | | |
| 9,300.00 | 7,157.08 | 9,440.35 | 7,231.48 | 41.61 | 42.76 | 103.19 | -1,785.75 | 2,190.55 | 326.03 | 247.53 | 78.50 | 4.153 | | |
| 9,400.00 | 7,156.96 | 9,540.35 | 7,231.63 | 43.07 | 44.18 | 103.24 | -1,785.88 | 2,290.55 | 325.95 | 244.57 | 81.38 | 4.005 | | |
| 9,500.00 | 7,156.84 | 9,640.35 | 7,231.78 | 44.55 | 45.61 | 103.30 | -1,786.00 | 2,390.55 | 325.88 | 241.59 | 84.29 | 3.866 | | |
| 9,600.00 | 7,156.72 | 9,740.35 | 7,231.94 | 46.03 | 47.06 | 103.35 | -1,786.13 | 2,490.55 | 325.80 | 238.58 | 87.23 | 3.735 | | |
| 9,700.00 | 7,156.60 | 9,840.35 | 7,232.09 | 47.53 | 48.53 | 103.40 | -1,786.26 | 2,590.55 | 325.73 | 235.55 | 90.18 | 3.612 | | |
| 9,800.00 | 7,156.48 | 9,940.35 | 7,232.24 | 49.04 | 50.01 | 103.45 | -1,786.38 | 2,690.54 | 325.66 | 232.50 | 93.16 | 3.496 | | |
| 9,900.00 | 7,156.37 | 10,040.35 | 7,232.40 | 50.57 | 51.50 | 103.50 | -1,786.51 | 2,790.54 | 325.58 | 229.43 | 96.15 | 3.386 | | |
| 10,000.00 | 7,156.25 | 10,140.35 | 7,232.55 | 52.10 | 53.00 | 103.56 | -1,786.64 | 2,890.54 | 325.51 | 226.35 | 99.16 | 3.283 | | |
| 10,100.00 | 7,156.13 | 10,240.35 | 7,232.70 | 53.64 | 54.51 | 103.61 | -1,786.76 | 2,990.54 | 325.44 | 223.25 | 102.19 | 3.185 | | |
| 10,200.00 | 7,156.01 | 10,340.35 | 7,232.85 | 55.18 | 56.03 | 103.66 | -1,786.89 | 3,090.54 | 325.37 | 220.14 | 105.22 | 3.092 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 40N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 10,300.00 | 7,155.89 | 10,440.35 | 7,233.01 | 56.74 | 57.56 | 103.71 | -1,787.02 | 3,190.54 | 325.30 | 217.02 | 108.27 | 3.004 | | |
| 10,400.00 | 7,155.77 | 10,540.35 | 7,233.16 | 58.30 | 59.10 | 103.77 | -1,787.14 | 3,290.54 | 325.22 | 213.89 | 111.33 | 2.921 | | |
| 10,500.00 | 7,155.65 | 10,640.35 | 7,233.31 | 59.86 | 60.65 | 103.82 | -1,787.27 | 3,390.54 | 325.15 | 210.75 | 114.40 | 2.842 | | |
| 10,600.00 | 7,155.54 | 10,740.35 | 7,233.47 | 61.44 | 62.20 | 103.87 | -1,787.40 | 3,490.54 | 325.08 | 207.60 | 117.48 | 2.767 | | |
| 10,700.00 | 7,155.42 | 10,840.35 | 7,233.62 | 63.01 | 63.75 | 103.92 | -1,787.52 | 3,590.54 | 325.01 | 204.44 | 120.57 | 2.696 | | |
| 10,800.00 | 7,155.30 | 10,940.35 | 7,233.77 | 64.59 | 65.32 | 103.98 | -1,787.65 | 3,690.54 | 324.94 | 201.27 | 123.67 | 2.628 | | |
| 10,900.00 | 7,155.18 | 11,040.35 | 7,233.92 | 66.18 | 66.89 | 104.03 | -1,787.78 | 3,790.54 | 324.87 | 198.10 | 126.77 | 2.563 | | |
| 11,000.00 | 7,155.06 | 11,140.35 | 7,234.08 | 67.77 | 68.46 | 104.08 | -1,787.90 | 3,890.54 | 324.80 | 194.92 | 129.88 | 2.501 | | |
| 11,100.00 | 7,154.94 | 11,240.35 | 7,234.23 | 69.37 | 70.04 | 104.13 | -1,788.03 | 3,990.54 | 324.73 | 191.74 | 132.99 | 2.442 | | |
| 11,200.00 | 7,154.82 | 11,340.34 | 7,234.38 | 70.96 | 71.62 | 104.19 | -1,788.16 | 4,090.54 | 324.66 | 188.55 | 136.11 | 2.385 | | |
| 11,300.00 | 7,154.70 | 11,440.34 | 7,234.54 | 72.57 | 73.21 | 104.24 | -1,788.28 | 4,190.54 | 324.59 | 185.35 | 139.24 | 2.331 | | |
| 11,400.00 | 7,154.59 | 11,540.34 | 7,234.69 | 74.17 | 74.79 | 104.29 | -1,788.41 | 4,290.53 | 324.52 | 182.16 | 142.37 | 2.279 | | |
| 11,500.00 | 7,154.47 | 11,640.34 | 7,234.84 | 75.78 | 76.39 | 104.34 | -1,788.54 | 4,390.53 | 324.45 | 178.95 | 145.50 | 2.230 | | |
| 11,600.00 | 7,154.35 | 11,740.34 | 7,235.00 | 77.39 | 77.99 | 104.40 | -1,788.66 | 4,490.53 | 324.39 | 175.75 | 148.64 | 2.182 | | |
| 11,700.00 | 7,154.23 | 11,840.34 | 7,235.15 | 79.00 | 79.58 | 104.45 | -1,788.79 | 4,590.53 | 324.32 | 172.54 | 151.78 | 2.137 | | |
| 11,800.00 | 7,154.11 | 11,940.34 | 7,235.30 | 80.61 | 81.19 | 104.50 | -1,788.92 | 4,690.53 | 324.25 | 169.33 | 154.92 | 2.093 | | |
| 11,900.00 | 7,153.99 | 12,040.34 | 7,235.45 | 82.23 | 82.79 | 104.55 | -1,789.04 | 4,790.53 | 324.18 | 166.11 | 158.07 | 2.051 | | |
| 12,000.00 | 7,153.87 | 12,140.34 | 7,235.61 | 83.85 | 84.40 | 104.61 | -1,789.17 | 4,890.53 | 324.12 | 162.90 | 161.22 | 2.010 | | |
| 12,100.00 | 7,153.76 | 12,240.34 | 7,235.76 | 85.47 | 86.01 | 104.66 | -1,789.30 | 4,990.53 | 324.05 | 159.68 | 164.37 | 1.971 | | |
| 12,200.00 | 7,153.64 | 12,340.34 | 7,235.91 | 87.10 | 87.62 | 104.71 | -1,789.42 | 5,090.53 | 323.98 | 156.46 | 167.52 | 1.934 | | |
| 12,300.00 | 7,153.52 | 12,440.34 | 7,236.07 | 88.72 | 89.24 | 104.76 | -1,789.55 | 5,190.53 | 323.92 | 153.24 | 170.68 | 1.898 | | |
| 12,400.00 | 7,153.40 | 12,540.34 | 7,236.22 | 90.35 | 90.86 | 104.82 | -1,789.67 | 5,290.53 | 323.85 | 150.01 | 173.84 | 1.863 | | |
| 12,500.00 | 7,153.28 | 12,640.34 | 7,236.37 | 91.98 | 92.47 | 104.87 | -1,789.80 | 5,390.53 | 323.78 | 146.79 | 177.00 | 1.829 | | |
| 12,600.00 | 7,153.16 | 12,740.34 | 7,236.52 | 93.61 | 94.10 | 104.92 | -1,789.93 | 5,490.53 | 323.72 | 143.56 | 180.16 | 1.797 | | |
| 12,700.00 | 7,153.04 | 12,841.73 | 7,236.68 | 95.24 | 95.74 | 104.98 | -1,790.03 | 5,591.92 | 323.63 | 140.37 | 183.25 | 1.766 | | |
| 12,800.00 | 7,152.92 | 12,943.92 | 7,236.82 | 96.87 | 97.39 | 105.08 | -1,789.06 | 5,694.10 | 322.52 | 136.24 | 186.27 | 1.731 | | |
| 12,900.00 | 7,152.81 | 13,043.91 | 7,236.95 | 98.50 | 99.02 | 105.18 | -1,788.04 | 5,794.09 | 321.34 | 131.95 | 189.40 | 1.697 | | |
| 13,000.00 | 7,152.69 | 13,143.90 | 7,237.09 | 100.14 | 100.64 | 105.29 | -1,787.03 | 5,894.07 | 320.17 | 127.65 | 192.52 | 1.663 | | |
| 13,100.00 | 7,152.57 | 13,243.89 | 7,237.22 | 101.78 | 102.27 | 105.39 | -1,786.01 | 5,994.06 | 319.00 | 123.36 | 195.64 | 1.631 | | |
| 13,200.00 | 7,152.45 | 13,343.88 | 7,237.36 | 103.41 | 103.89 | 105.50 | -1,784.99 | 6,094.05 | 317.83 | 119.07 | 198.76 | 1.599 | | |
| 13,300.00 | 7,152.33 | 13,443.87 | 7,237.50 | 105.05 | 105.52 | 105.60 | -1,783.98 | 6,194.03 | 316.67 | 114.79 | 201.88 | 1.569 | | |
| 13,400.00 | 7,152.21 | 13,543.87 | 7,237.63 | 106.69 | 107.15 | 105.71 | -1,782.96 | 6,294.02 | 315.50 | 110.50 | 205.00 | 1.539 | | |
| 13,500.00 | 7,152.09 | 13,643.86 | 7,237.77 | 108.33 | 108.78 | 105.82 | -1,781.95 | 6,394.00 | 314.33 | 106.22 | 208.11 | 1.510 | | |
| 13,600.00 | 7,151.98 | 13,743.85 | 7,237.90 | 109.98 | 110.41 | 105.93 | -1,780.93 | 6,493.99 | 313.17 | 101.94 | 211.23 | 1.483 Level 3 | | |
| 13,700.00 | 7,151.86 | 13,843.84 | 7,238.04 | 111.62 | 112.04 | 106.04 | -1,779.91 | 6,593.98 | 312.00 | 97.67 | 214.34 | 1.456 Level 3 | | |
| 13,800.00 | 7,151.74 | 13,943.83 | 7,238.17 | 113.26 | 113.68 | 106.15 | -1,778.90 | 6,693.96 | 310.84 | 93.40 | 217.45 | 1.430 Level 3 | | |
| 13,900.00 | 7,151.62 | 14,043.82 | 7,238.31 | 114.91 | 115.31 | 106.26 | -1,777.88 | 6,793.95 | 309.68 | 89.13 | 220.55 | 1.404 Level 3 | | |
| 14,000.00 | 7,151.50 | 14,143.81 | 7,238.44 | 116.55 | 116.95 | 106.37 | -1,776.87 | 6,893.93 | 308.52 | 84.86 | 223.66 | 1.379 Level 3 | | |
| 14,100.00 | 7,151.38 | 14,243.81 | 7,238.58 | 118.20 | 118.59 | 106.48 | -1,775.85 | 6,993.92 | 307.36 | 80.60 | 226.76 | 1.355 Level 3 | | |
| 14,200.00 | 7,151.26 | 14,343.80 | 7,238.71 | 119.84 | 120.22 | 106.60 | -1,774.83 | 7,093.91 | 306.21 | 76.34 | 229.86 | 1.332 Level 3 | | |
| 14,300.00 | 7,151.14 | 14,443.79 | 7,238.85 | 121.49 | 121.86 | 106.71 | -1,773.82 | 7,193.89 | 305.05 | 72.09 | 232.96 | 1.309 Level 3 | | |
| 14,400.00 | 7,151.03 | 14,543.78 | 7,238.99 | 123.14 | 123.50 | 106.83 | -1,772.80 | 7,293.88 | 303.89 | 67.84 | 236.05 | 1.287 Level 3 | | |
| 14,500.00 | 7,150.91 | 14,643.77 | 7,239.12 | 124.79 | 125.14 | 106.94 | -1,771.78 | 7,393.87 | 302.74 | 63.59 | 239.15 | 1.266 Level 3 | | |
| 14,600.00 | 7,150.79 | 14,743.76 | 7,239.26 | 126.44 | 126.78 | 107.06 | -1,770.77 | 7,493.85 | 301.59 | 59.35 | 242.23 | 1.245 Level 2 | | |
| 14,700.00 | 7,150.67 | 14,843.75 | 7,239.39 | 128.09 | 128.43 | 107.18 | -1,769.75 | 7,593.84 | 300.44 | 55.12 | 245.32 | 1.225 Level 2 | | |
| 14,800.00 | 7,150.55 | 14,943.75 | 7,239.53 | 129.74 | 130.07 | 107.30 | -1,768.74 | 7,693.82 | 299.29 | 50.88 | 248.40 | 1.205 Level 2 | | |
| 14,900.00 | 7,150.43 | 15,043.74 | 7,239.66 | 131.39 | 131.71 | 107.42 | -1,767.72 | 7,793.81 | 298.14 | 46.66 | 251.48 | 1.186 Level 2 | | |
| 15,000.00 | 7,150.31 | 15,143.73 | 7,239.80 | 133.04 | 133.36 | 107.54 | -1,766.70 | 7,893.80 | 296.99 | 42.44 | 254.55 | 1.167 Level 2 | | |
| 15,100.00 | 7,150.20 | 15,243.72 | 7,239.93 | 134.69 | 135.00 | 107.66 | -1,765.69 | 7,993.78 | 295.84 | 38.22 | 257.62 | 1.148 Level 2 | | |
| 15,200.00 | 7,150.08 | 15,343.71 | 7,240.07 | 136.34 | 136.65 | 107.78 | -1,764.67 | 8,093.77 | 294.70 | 34.01 | 260.69 | 1.130 Level 2 | | |
| 15,300.00 | 7,149.96 | 15,443.70 | 7,240.20 | 138.00 | 138.29 | 107.91 | -1,763.65 | 8,193.76 | 293.56 | 29.80 | 263.75 | 1.113 Level 2 | | |
| 15,400.00 | 7,149.84 | 15,543.69 | 7,240.34 | 139.65 | 139.94 | 108.03 | -1,762.64 | 8,293.74 | 292.41 | 25.60 | 266.81 | 1.096 Level 2 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 40N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 15,500.00 | 7,149.72 | 15,643.69 | 7,240.47 | 141.30 | 141.59 | 108.16 | -1,761.62 | 8,393.73 | 291.27 | 21.40 | 269.87 | 1.079 | Level 2 |
| 15,600.00 | 7,149.60 | 15,743.68 | 7,240.61 | 142.96 | 143.23 | 108.28 | -1,760.61 | 8,493.71 | 290.13 | 17.22 | 272.92 | 1.063 | Level 2 |
| 15,700.00 | 7,149.48 | 15,843.67 | 7,240.75 | 144.61 | 144.88 | 108.41 | -1,759.59 | 8,593.70 | 289.00 | 13.03 | 275.96 | 1.047 | Level 2 |
| 15,800.00 | 7,149.36 | 15,943.66 | 7,240.88 | 146.27 | 146.53 | 108.54 | -1,758.57 | 8,693.69 | 287.86 | 8.85 | 279.01 | 1.032 | Level 2 |
| 15,900.00 | 7,149.25 | 16,043.65 | 7,241.02 | 147.92 | 148.18 | 108.67 | -1,757.56 | 8,793.67 | 286.72 | 4.68 | 282.04 | 1.017 | Level 2 |
| 16,000.00 | 7,149.13 | 16,143.64 | 7,241.15 | 149.58 | 149.83 | 108.80 | -1,756.54 | 8,893.66 | 285.59 | 0.52 | 285.07 | 1.002 | Level 2 |
| 16,100.00 | 7,149.01 | 16,243.64 | 7,241.29 | 151.23 | 151.48 | 108.93 | -1,755.53 | 8,993.64 | 284.46 | -3.64 | 288.10 | 0.987 | Level 1 |
| 16,200.00 | 7,148.89 | 16,343.63 | 7,241.42 | 152.89 | 153.13 | 109.06 | -1,754.51 | 9,093.63 | 283.33 | -7.79 | 291.12 | 0.973 | Level 1 |
| 16,300.00 | 7,148.77 | 16,443.62 | 7,241.56 | 154.55 | 154.78 | 109.20 | -1,753.49 | 9,193.62 | 282.20 | -11.94 | 294.14 | 0.959 | Level 1 |
| 16,400.00 | 7,148.65 | 16,543.61 | 7,241.69 | 156.20 | 156.43 | 109.33 | -1,752.48 | 9,293.60 | 281.07 | -16.08 | 297.15 | 0.946 | Level 1 |
| 16,500.00 | 7,148.53 | 16,643.60 | 7,241.83 | 157.86 | 158.08 | 109.47 | -1,751.46 | 9,393.59 | 279.95 | -20.21 | 300.15 | 0.933 | Level 1 |
| 16,600.00 | 7,148.42 | 16,743.59 | 7,241.96 | 159.52 | 159.73 | 109.61 | -1,750.44 | 9,493.58 | 278.82 | -24.33 | 303.15 | 0.920 | Level 1 |
| 16,700.00 | 7,148.30 | 16,843.58 | 7,242.10 | 161.18 | 161.39 | 109.74 | -1,749.43 | 9,593.56 | 277.70 | -28.45 | 306.15 | 0.907 | Level 1 |
| 16,800.00 | 7,148.18 | 16,943.58 | 7,242.24 | 162.83 | 163.04 | 109.88 | -1,748.41 | 9,693.55 | 276.58 | -32.56 | 309.14 | 0.895 | Level 1 |
| 16,900.00 | 7,148.06 | 17,043.57 | 7,242.37 | 164.49 | 164.69 | 110.02 | -1,747.40 | 9,793.53 | 275.46 | -36.66 | 312.12 | 0.883 | Level 1 |
| 17,000.00 | 7,147.94 | 17,143.56 | 7,242.51 | 166.15 | 166.35 | 110.17 | -1,746.38 | 9,893.52 | 274.34 | -40.75 | 315.09 | 0.871 | Level 1 |
| 17,100.00 | 7,147.82 | 17,243.55 | 7,242.64 | 167.81 | 168.00 | 110.31 | -1,745.36 | 9,993.51 | 273.23 | -44.84 | 318.06 | 0.859 | Level 1 |
| 17,200.00 | 7,147.70 | 17,343.54 | 7,242.78 | 169.47 | 169.65 | 110.45 | -1,744.35 | 10,093.49 | 272.11 | -48.91 | 321.02 | 0.848 | Level 1 |
| 17,300.00 | 7,147.58 | 17,443.53 | 7,242.91 | 171.13 | 171.31 | 110.60 | -1,743.33 | 10,193.48 | 271.00 | -52.98 | 323.98 | 0.836 | Level 1 |
| 17,400.00 | 7,147.47 | 17,543.52 | 7,243.05 | 172.79 | 172.96 | 110.74 | -1,742.31 | 10,293.47 | 269.89 | -57.04 | 326.93 | 0.826 | Level 1 |
| 17,500.00 | 7,147.35 | 17,643.52 | 7,243.18 | 174.45 | 174.62 | 110.89 | -1,741.30 | 10,393.45 | 268.78 | -61.09 | 329.87 | 0.815 | Level 1 |
| 17,600.00 | 7,147.23 | 17,743.51 | 7,243.32 | 176.11 | 176.27 | 111.04 | -1,740.28 | 10,493.44 | 267.67 | -65.14 | 332.81 | 0.804 | Level 1 |
| 17,700.00 | 7,147.11 | 17,843.50 | 7,243.45 | 177.77 | 177.93 | 111.19 | -1,739.27 | 10,593.42 | 266.57 | -69.17 | 335.74 | 0.794 | Level 1 |
| 17,800.00 | 7,146.99 | 17,943.49 | 7,243.59 | 179.43 | 179.59 | 111.34 | -1,738.25 | 10,693.41 | 265.46 | -73.19 | 338.66 | 0.784 | Level 1 |
| 17,900.00 | 7,146.87 | 18,043.48 | 7,243.72 | 181.09 | 181.24 | 111.49 | -1,737.23 | 10,793.40 | 264.36 | -77.21 | 341.57 | 0.774 | Level 1 |
| 18,000.00 | 7,146.75 | 18,143.47 | 7,243.86 | 182.75 | 182.90 | 111.65 | -1,736.22 | 10,893.38 | 263.26 | -81.21 | 344.48 | 0.764 | Level 1 |
| 18,100.00 | 7,146.64 | 18,243.46 | 7,244.00 | 184.41 | 184.55 | 111.80 | -1,735.20 | 10,993.37 | 262.17 | -85.21 | 347.37 | 0.755 | Level 1 |
| 18,200.00 | 7,146.52 | 18,343.46 | 7,244.13 | 186.08 | 186.21 | 111.96 | -1,734.19 | 11,093.35 | 261.07 | -89.19 | 350.26 | 0.745 | Level 1 |
| 18,300.00 | 7,146.40 | 18,443.45 | 7,244.27 | 187.74 | 187.87 | 112.12 | -1,733.17 | 11,193.34 | 259.98 | -93.17 | 353.14 | 0.736 | Level 1 |
| 18,400.00 | 7,146.28 | 18,543.44 | 7,244.40 | 189.40 | 189.53 | 112.28 | -1,732.15 | 11,293.33 | 258.88 | -97.13 | 356.02 | 0.727 | Level 1 |
| 18,500.00 | 7,146.16 | 18,643.43 | 7,244.54 | 191.06 | 191.18 | 112.44 | -1,731.14 | 11,393.31 | 257.79 | -101.09 | 358.88 | 0.718 | Level 1 |
| 18,600.00 | 7,146.04 | 18,743.42 | 7,244.67 | 192.72 | 192.84 | 112.60 | -1,730.12 | 11,493.30 | 256.71 | -105.03 | 361.74 | 0.710 | Level 1 |
| 18,700.00 | 7,145.92 | 18,843.41 | 7,244.81 | 194.39 | 194.50 | 112.76 | -1,729.10 | 11,593.29 | 255.62 | -108.96 | 364.58 | 0.701 | Level 1 |
| 18,800.00 | 7,145.80 | 18,943.40 | 7,244.94 | 196.05 | 196.16 | 112.92 | -1,728.09 | 11,693.27 | 254.54 | -112.88 | 367.42 | 0.693 | Level 1 |
| 18,900.00 | 7,145.69 | 19,043.40 | 7,245.08 | 197.71 | 197.82 | 113.09 | -1,727.07 | 11,793.26 | 253.45 | -116.79 | 370.25 | 0.685 | Level 1 |
| 19,000.00 | 7,145.57 | 19,143.39 | 7,245.21 | 199.37 | 199.48 | 113.26 | -1,726.06 | 11,893.24 | 252.37 | -120.69 | 373.06 | 0.676 | Level 1 |
| 19,100.00 | 7,145.45 | 19,243.38 | 7,245.35 | 201.04 | 201.13 | 113.43 | -1,725.04 | 11,993.23 | 251.30 | -124.58 | 375.87 | 0.669 | Level 1 |
| 19,200.00 | 7,145.33 | 19,343.37 | 7,245.48 | 202.70 | 202.79 | 113.60 | -1,724.02 | 12,093.22 | 250.22 | -128.45 | 378.67 | 0.661 | Level 1 |
| 19,300.00 | 7,145.21 | 19,443.36 | 7,245.62 | 204.36 | 204.45 | 113.77 | -1,723.01 | 12,193.20 | 249.15 | -132.31 | 381.46 | 0.653 | Level 1 |
| 19,400.00 | 7,145.09 | 19,543.35 | 7,245.76 | 206.03 | 206.11 | 113.94 | -1,721.99 | 12,293.19 | 248.08 | -136.16 | 384.24 | 0.646 | Level 1 |
| 19,500.00 | 7,144.97 | 19,643.34 | 7,245.89 | 207.69 | 207.77 | 114.12 | -1,720.98 | 12,393.18 | 247.01 | -139.99 | 387.01 | 0.638 | Level 1 |
| 19,600.00 | 7,144.86 | 19,743.34 | 7,246.03 | 209.35 | 209.43 | 114.29 | -1,719.96 | 12,493.16 | 245.94 | -143.82 | 389.76 | 0.631 | Level 1 |
| 19,700.00 | 7,144.74 | 19,843.33 | 7,246.16 | 211.02 | 211.09 | 114.47 | -1,718.94 | 12,593.15 | 244.88 | -147.63 | 392.51 | 0.624 | Level 1 |
| 19,800.00 | 7,144.62 | 19,943.32 | 7,246.30 | 212.68 | 212.75 | 114.65 | -1,717.93 | 12,693.13 | 243.82 | -151.42 | 395.24 | 0.617 | Level 1 |
| 19,900.00 | 7,144.50 | 20,043.31 | 7,246.43 | 214.35 | 214.41 | 114.83 | -1,716.91 | 12,793.12 | 242.76 | -155.20 | 397.97 | 0.610 | Level 1 |
| 20,000.00 | 7,144.38 | 20,143.30 | 7,246.57 | 216.01 | 216.07 | 115.01 | -1,715.89 | 12,893.11 | 241.70 | -158.97 | 400.68 | 0.603 | Level 1 |
| 20,100.00 | 7,144.26 | 20,243.29 | 7,246.70 | 217.67 | 217.73 | 115.20 | -1,714.88 | 12,993.09 | 240.65 | -162.73 | 403.38 | 0.597 | Level 1 |
| 20,200.00 | 7,144.14 | 20,343.28 | 7,246.84 | 219.34 | 219.39 | 115.38 | -1,713.86 | 13,093.08 | 239.60 | -166.46 | 406.06 | 0.590 | Level 1 |
| 20,300.00 | 7,144.02 | 20,443.28 | 7,246.97 | 221.00 | 221.05 | 115.57 | -1,712.85 | 13,193.06 | 238.55 | -170.19 | 408.74 | 0.584 | Level 1 |
| 20,320.42 | 7,144.00 | 20,463.70 | 7,247.00 | 221.34 | 221.39 | 115.61 | -1,712.64 | 13,213.48 | 238.34 | -170.95 | 409.28 | 0.582 | Level 1, ES, SF |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: 0.00 usft | |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|---------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: 3.28 usft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.32 | 100.18 | -0.56 | 100.18 | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.32 | 100.18 | -0.56 | 100.18 | 92.65 | 7.53 | 13.306 | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.32 | 100.18 | -0.56 | 100.18 | 92.61 | 7.57 | 13.227 | | |
| 300.00 | 299.98 | 303.59 | 303.57 | 3.34 | 3.35 | 176.75 | 98.32 | -0.79 | 100.13 | 92.48 | 7.65 | 13.087 | | |
| 394.58 | 394.43 | 401.37 | 401.21 | 3.40 | 3.41 | 176.52 | 93.17 | -1.43 | 100.00 | 92.25 | 7.75 | 12.903 CC | | |
| 400.00 | 399.84 | 406.79 | 406.61 | 3.40 | 3.41 | 176.51 | 92.80 | -1.48 | 100.00 | 92.25 | 7.76 | 12.891 ES | | |
| 500.00 | 499.45 | 506.77 | 506.35 | 3.49 | 3.49 | 176.29 | 86.02 | -2.32 | 101.94 | 94.02 | 7.92 | 12.877 | | |
| 600.00 | 598.70 | 606.61 | 605.97 | 3.60 | 3.60 | 176.20 | 79.24 | -3.17 | 107.35 | 99.23 | 8.12 | 13.219 | | |
| 700.00 | 697.47 | 706.21 | 705.33 | 3.75 | 3.72 | 176.23 | 72.49 | -4.01 | 116.24 | 107.87 | 8.37 | 13.888 | | |
| 800.00 | 795.62 | 805.44 | 804.33 | 3.95 | 3.87 | 176.35 | 65.75 | -4.85 | 128.59 | 119.93 | 8.66 | 14.849 | | |
| 900.00 | 893.30 | 904.35 | 903.01 | 4.18 | 4.03 | 176.52 | 59.04 | -5.68 | 143.31 | 134.33 | 8.99 | 15.950 | | |
| 1,000.00 | 990.96 | 1,003.25 | 1,001.67 | 4.45 | 4.20 | 176.66 | 52.33 | -6.52 | 158.12 | 148.78 | 9.34 | 16.936 | | |
| 1,100.00 | 1,088.62 | 1,102.15 | 1,100.34 | 4.74 | 4.39 | 176.78 | 45.63 | -7.35 | 172.92 | 163.20 | 9.72 | 17.798 | | |
| 1,200.00 | 1,186.28 | 1,201.04 | 1,199.01 | 5.05 | 4.59 | 176.88 | 38.92 | -8.19 | 187.72 | 177.60 | 10.12 | 18.550 | | |
| 1,300.00 | 1,283.94 | 1,300.06 | 1,297.67 | 5.38 | 4.80 | 176.96 | 32.21 | -9.02 | 202.53 | 191.98 | 10.55 | 19.204 | | |
| 1,400.00 | 1,381.60 | 1,401.16 | 1,396.34 | 5.73 | 5.03 | 177.04 | 25.50 | -9.86 | 217.34 | 206.34 | 11.00 | 19.766 | | |
| 1,500.00 | 1,479.26 | 1,502.26 | 1,495.01 | 6.08 | 5.26 | 177.10 | 18.79 | -10.70 | 232.14 | 220.68 | 11.46 | 20.253 | | |
| 1,600.00 | 1,576.92 | 1,603.37 | 1,593.67 | 6.45 | 5.50 | 177.16 | 12.08 | -11.53 | 246.95 | 235.00 | 11.94 | 20.677 | | |
| 1,700.00 | 1,674.58 | 1,704.47 | 1,692.34 | 6.82 | 5.74 | 177.21 | 5.37 | -12.37 | 261.75 | 249.32 | 12.44 | 21.047 | | |
| 1,800.00 | 1,772.24 | 1,805.57 | 1,791.00 | 7.21 | 5.98 | 177.25 | -1.34 | -13.20 | 276.56 | 263.80 | 12.76 | 21.668 | | |
| 1,900.00 | 1,869.90 | 1,906.67 | 1,889.67 | 7.42 | 6.11 | 177.29 | -8.05 | -14.04 | 291.37 | 278.55 | 12.82 | 22.731 | | |
| 2,000.00 | 1,967.56 | 2,007.78 | 1,988.34 | 7.47 | 6.13 | 177.33 | -14.76 | -14.87 | 306.17 | 293.32 | 12.85 | 23.824 | | |
| 2,100.00 | 2,065.22 | 2,108.88 | 2,087.00 | 7.54 | 6.16 | 177.36 | -21.47 | -15.71 | 320.98 | 308.07 | 12.92 | 24.853 | | |
| 2,200.00 | 2,162.88 | 2,209.98 | 2,185.67 | 7.63 | 6.21 | 177.39 | -28.17 | -16.54 | 335.79 | 322.78 | 13.01 | 25.812 | | |
| 2,300.00 | 2,260.54 | 2,288.92 | 2,284.33 | 7.74 | 6.25 | 177.42 | -34.88 | -17.38 | 350.59 | 337.48 | 13.12 | 26.723 | | |
| 2,400.00 | 2,358.20 | 2,387.81 | 2,383.00 | 7.87 | 6.32 | 177.44 | -41.59 | -18.22 | 365.40 | 352.13 | 13.27 | 27.541 | | |
| 2,500.00 | 2,455.85 | 2,486.71 | 2,481.67 | 8.01 | 6.41 | 177.47 | -48.30 | -19.05 | 380.21 | 366.77 | 13.44 | 28.284 | | |
| 2,600.00 | 2,553.51 | 2,585.61 | 2,580.33 | 8.17 | 6.50 | 177.49 | -55.01 | -19.89 | 395.02 | 381.37 | 13.64 | 28.952 | | |
| 2,700.00 | 2,651.17 | 2,684.51 | 2,679.00 | 8.34 | 6.61 | 177.51 | -61.72 | -20.72 | 409.82 | 395.95 | 13.87 | 29.548 | | |
| 2,800.00 | 2,748.83 | 2,783.40 | 2,777.67 | 8.52 | 6.72 | 177.53 | -68.43 | -21.56 | 424.63 | 410.51 | 14.12 | 30.074 | | |
| 2,900.00 | 2,846.49 | 2,882.30 | 2,876.33 | 8.72 | 6.85 | 177.54 | -75.14 | -22.39 | 439.44 | 425.05 | 14.39 | 30.535 | | |
| 3,000.00 | 2,944.15 | 2,981.20 | 2,975.00 | 8.93 | 6.98 | 177.56 | -81.85 | -23.23 | 454.25 | 439.56 | 14.68 | 30.934 | | |
| 3,100.00 | 3,041.81 | 3,080.10 | 3,073.66 | 9.16 | 7.13 | 177.57 | -88.56 | -24.07 | 469.05 | 454.06 | 15.00 | 31.276 | | |
| 3,200.00 | 3,139.47 | 3,178.99 | 3,172.33 | 9.39 | 7.28 | 177.59 | -95.27 | -24.90 | 483.86 | 468.53 | 15.33 | 31.565 | | |
| 3,300.00 | 3,237.13 | 3,277.89 | 3,271.00 | 9.63 | 7.44 | 177.60 | -101.98 | -25.74 | 498.67 | 482.99 | 15.68 | 31.808 | | |
| 3,400.00 | 3,334.79 | 3,376.79 | 3,369.66 | 9.88 | 7.61 | 177.61 | -108.68 | -26.57 | 513.48 | 497.43 | 16.04 | 32.007 | | |
| 3,500.00 | 3,432.45 | 3,475.69 | 3,468.33 | 10.14 | 7.79 | 177.63 | -115.39 | -27.41 | 528.28 | 511.86 | 16.42 | 32.169 | | |
| 3,600.00 | 3,530.11 | 3,574.58 | 3,567.00 | 10.41 | 7.97 | 177.64 | -122.10 | -28.24 | 543.09 | 526.27 | 16.82 | 32.296 | | |
| 3,700.00 | 3,627.77 | 3,673.48 | 3,665.66 | 10.68 | 8.16 | 177.65 | -128.81 | -29.08 | 557.90 | 540.68 | 17.22 | 32.393 | | |
| 3,800.00 | 3,725.43 | 3,772.38 | 3,764.33 | 10.96 | 8.35 | 177.66 | -135.52 | -29.92 | 572.71 | 555.06 | 17.64 | 32.463 | | |
| 3,900.00 | 3,823.09 | 3,871.28 | 3,862.99 | 11.25 | 8.55 | 177.67 | -142.23 | -30.75 | 587.51 | 569.44 | 18.07 | 32.510 | | |
| 4,000.00 | 3,920.75 | 3,970.17 | 3,961.66 | 11.54 | 8.76 | 177.68 | -148.94 | -31.59 | 602.32 | 583.81 | 18.51 | 32.536 | | |
| 4,100.00 | 4,018.41 | 4,069.07 | 4,060.33 | 11.84 | 8.97 | 177.69 | -155.65 | -32.42 | 617.13 | 598.17 | 18.96 | 32.545 | | |
| 4,200.00 | 4,116.07 | 4,167.97 | 4,158.99 | 12.14 | 9.18 | 177.69 | -162.36 | -33.26 | 631.94 | 612.52 | 19.42 | 32.538 | | |
| 4,300.00 | 4,213.73 | 4,266.87 | 4,257.66 | 12.45 | 9.40 | 177.70 | -169.07 | -34.09 | 646.74 | 626.86 | 19.89 | 32.518 | | |
| 4,400.00 | 4,311.39 | 4,365.76 | 4,356.32 | 12.76 | 9.62 | 177.71 | -175.78 | -34.93 | 661.55 | 641.19 | 20.36 | 32.486 | | |
| 4,500.00 | 4,409.05 | 4,464.66 | 4,454.99 | 13.08 | 9.84 | 177.72 | -182.49 | -35.77 | 676.36 | 655.51 | 20.85 | 32.445 | | |
| 4,600.00 | 4,506.71 | 4,563.56 | 4,553.66 | 13.40 | 10.07 | 177.72 | -189.19 | -36.60 | 691.17 | 669.83 | 21.34 | 32.395 | | |
| 4,700.00 | 4,604.37 | 4,662.46 | 4,652.32 | 13.72 | 10.30 | 177.73 | -195.90 | -37.44 | 705.98 | 684.14 | 21.83 | 32.339 | | |
| 4,800.00 | 4,702.03 | 4,761.36 | 4,750.99 | 14.04 | 10.54 | 177.74 | -202.61 | -38.27 | 720.78 | 698.45 | 22.33 | 32.276 | | |
| 4,900.00 | 4,799.69 | 4,860.25 | 4,849.66 | 14.37 | 10.77 | 177.74 | -209.32 | -39.11 | 735.59 | 712.75 | 22.84 | 32.209 | | |
| 5,000.00 | 4,897.35 | 4,959.15 | 4,948.32 | 14.70 | 11.01 | 177.75 | -216.03 | -39.94 | 750.40 | 727.05 | 23.35 | 32.137 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,100.00 | 4,995.01 | 5,058.05 | 5,046.99 | 15.03 | 11.25 | 177.75 | -222.74 | -40.78 | 765.21 | 741.34 | 23.87 | 32.062 | | |
| 5,200.00 | 5,092.67 | 5,156.95 | 5,145.65 | 15.37 | 11.50 | 177.76 | -229.45 | -41.61 | 780.01 | 755.63 | 24.39 | 31.985 | | |
| 5,300.00 | 5,190.33 | 5,255.84 | 5,244.32 | 15.71 | 11.74 | 177.76 | -236.16 | -42.45 | 794.82 | 769.91 | 24.91 | 31.905 | | |
| 5,400.00 | 5,287.99 | 5,354.74 | 5,342.99 | 16.05 | 11.99 | 177.77 | -242.87 | -43.29 | 809.63 | 784.19 | 25.44 | 31.824 | | |
| 5,500.00 | 5,385.65 | 5,453.64 | 5,441.65 | 16.39 | 12.24 | 177.77 | -249.58 | -44.12 | 824.44 | 798.46 | 25.97 | 31.742 | | |
| 5,600.00 | 5,483.31 | 5,552.54 | 5,540.32 | 16.73 | 12.49 | 177.78 | -256.29 | -44.96 | 839.25 | 812.74 | 26.51 | 31.659 | | |
| 5,700.00 | 5,580.97 | 5,651.43 | 5,638.98 | 17.08 | 12.74 | 177.78 | -262.99 | -45.79 | 854.05 | 827.01 | 27.05 | 31.575 | | |
| 5,800.00 | 5,678.63 | 5,750.33 | 5,737.65 | 17.42 | 13.00 | 177.79 | -269.70 | -46.63 | 868.86 | 841.27 | 27.59 | 31.491 | | |
| 5,900.00 | 5,776.29 | 5,849.23 | 5,836.32 | 17.77 | 13.25 | 177.79 | -276.41 | -47.46 | 883.67 | 855.53 | 28.14 | 31.408 | | |
| 6,000.00 | 5,873.95 | 5,948.13 | 5,934.98 | 18.12 | 13.51 | 177.80 | -283.12 | -48.30 | 898.48 | 869.79 | 28.68 | 31.324 | | |
| 6,100.00 | 5,971.61 | 6,047.02 | 6,033.65 | 18.47 | 13.77 | 177.80 | -289.83 | -49.14 | 913.28 | 884.05 | 29.23 | 31.241 | | |
| 6,200.00 | 6,069.26 | 6,145.92 | 6,132.32 | 18.82 | 14.02 | 177.80 | -296.54 | -49.97 | 928.09 | 898.31 | 29.79 | 31.159 | | |
| 6,300.00 | 6,166.92 | 6,244.82 | 6,230.98 | 19.18 | 14.28 | 177.81 | -303.25 | -50.81 | 942.90 | 912.56 | 30.34 | 31.077 | | |
| 6,400.00 | 6,264.58 | 6,343.72 | 6,329.65 | 19.53 | 14.55 | 177.81 | -309.96 | -51.64 | 957.71 | 926.81 | 30.90 | 30.996 | | |
| 6,500.00 | 6,362.24 | 6,442.61 | 6,428.31 | 19.89 | 14.81 | 177.82 | -316.67 | -52.48 | 972.52 | 941.06 | 31.46 | 30.915 | | |
| 6,600.00 | 6,459.90 | 6,541.51 | 6,526.98 | 20.24 | 15.07 | 177.82 | -323.38 | -53.31 | 987.32 | 955.31 | 32.02 | 30.836 | | |
| 6,700.00 | 6,557.56 | 6,637.23 | 6,622.19 | 20.59 | 15.28 | -170.37 | -329.82 | -47.13 | 1,002.27 | 969.75 | 32.52 | 30.819 | | |
| 6,800.00 | 6,654.52 | 6,731.33 | 6,713.86 | 20.88 | 15.49 | -136.30 | -335.94 | -27.18 | 1,017.35 | 984.39 | 32.96 | 30.862 | | |
| 6,900.00 | 6,748.60 | 6,824.24 | 6,800.53 | 21.16 | 15.69 | -118.03 | -341.67 | 5.58 | 1,032.16 | 998.78 | 33.38 | 30.924 | | |
| 7,000.00 | 6,837.47 | 6,916.21 | 6,880.74 | 21.44 | 15.89 | -107.97 | -346.89 | 50.11 | 1,046.30 | 1,012.52 | 33.78 | 30.975 | | |
| 7,100.00 | 6,918.94 | 7,007.47 | 6,953.19 | 21.70 | 16.07 | -101.72 | -351.54 | 105.27 | 1,059.40 | 1,025.20 | 34.20 | 30.978 | | |
| 7,200.00 | 6,991.02 | 7,098.22 | 7,016.71 | 21.95 | 16.25 | -97.53 | -355.53 | 169.85 | 1,071.12 | 1,036.43 | 34.69 | 30.880 | | |
| 7,300.00 | 7,051.93 | 7,188.65 | 7,070.26 | 22.19 | 16.44 | -94.61 | -358.80 | 242.55 | 1,081.16 | 1,045.86 | 35.30 | 30.630 | | |
| 7,400.00 | 7,100.16 | 7,278.92 | 7,112.94 | 22.43 | 16.69 | -92.59 | -361.30 | 321.98 | 1,089.27 | 1,053.19 | 36.08 | 30.190 | | |
| 7,500.00 | 7,134.53 | 7,369.19 | 7,144.00 | 22.69 | 17.11 | -91.30 | -362.98 | 406.64 | 1,095.24 | 1,058.18 | 37.07 | 29.548 | | |
| 7,600.00 | 7,154.20 | 7,459.59 | 7,162.83 | 23.01 | 17.70 | -90.63 | -363.81 | 494.97 | 1,098.94 | 1,060.68 | 38.26 | 28.721 | | |
| 7,700.00 | 7,158.98 | 7,550.43 | 7,169.00 | 23.42 | 18.41 | -90.52 | -363.77 | 585.52 | 1,100.35 | 1,060.69 | 39.65 | 27.750 | | |
| 7,800.00 | 7,158.86 | 7,650.43 | 7,169.03 | 23.96 | 19.30 | -90.53 | -363.27 | 685.52 | 1,101.12 | 1,059.76 | 41.36 | 26.625 | | |
| 7,900.00 | 7,158.74 | 7,750.42 | 7,169.06 | 24.64 | 20.28 | -90.54 | -362.77 | 785.52 | 1,101.89 | 1,058.64 | 43.25 | 25.479 | | |
| 8,000.00 | 7,158.62 | 7,850.42 | 7,169.09 | 25.44 | 21.35 | -90.54 | -362.26 | 885.51 | 1,102.66 | 1,057.35 | 45.31 | 24.338 | | |
| 8,100.00 | 7,158.50 | 7,950.42 | 7,169.12 | 26.35 | 22.50 | -90.55 | -361.76 | 985.51 | 1,103.43 | 1,055.92 | 47.51 | 23.223 | | |
| 8,200.00 | 7,158.38 | 8,050.42 | 7,169.16 | 27.36 | 23.71 | -90.56 | -361.25 | 1,085.50 | 1,104.20 | 1,054.36 | 49.85 | 22.151 | | |
| 8,300.00 | 7,158.26 | 8,150.41 | 7,169.19 | 28.43 | 24.97 | -90.57 | -360.75 | 1,185.50 | 1,104.98 | 1,052.68 | 52.30 | 21.130 | | |
| 8,400.00 | 7,158.15 | 8,250.41 | 7,169.22 | 29.58 | 26.27 | -90.57 | -360.25 | 1,285.49 | 1,105.75 | 1,050.91 | 54.84 | 20.164 | | |
| 8,500.00 | 7,158.03 | 8,350.41 | 7,169.25 | 30.77 | 27.62 | -90.58 | -359.74 | 1,385.49 | 1,106.52 | 1,049.06 | 57.46 | 19.257 | | |
| 8,600.00 | 7,157.91 | 8,450.40 | 7,169.28 | 32.02 | 29.00 | -90.59 | -359.24 | 1,485.49 | 1,107.29 | 1,047.13 | 60.16 | 18.406 | | |
| 8,700.00 | 7,157.79 | 8,550.40 | 7,169.31 | 33.30 | 30.41 | -90.60 | -358.74 | 1,585.48 | 1,108.06 | 1,045.15 | 62.92 | 17.612 | | |
| 8,800.00 | 7,157.67 | 8,650.40 | 7,169.35 | 34.62 | 31.84 | -90.60 | -358.23 | 1,685.48 | 1,108.84 | 1,043.11 | 65.73 | 16.869 | | |
| 8,900.00 | 7,157.55 | 8,750.39 | 7,169.38 | 35.97 | 33.30 | -90.61 | -357.73 | 1,785.47 | 1,109.61 | 1,041.02 | 68.59 | 16.177 | | |
| 9,000.00 | 7,157.43 | 8,850.39 | 7,169.41 | 37.35 | 34.77 | -90.62 | -357.23 | 1,885.47 | 1,110.38 | 1,038.89 | 71.49 | 15.531 | | |
| 9,100.00 | 7,157.32 | 8,950.39 | 7,169.44 | 38.75 | 36.27 | -90.62 | -356.72 | 1,985.46 | 1,111.15 | 1,036.72 | 74.44 | 14.928 | | |
| 9,200.00 | 7,157.20 | 9,050.38 | 7,169.47 | 40.17 | 37.77 | -90.63 | -356.22 | 2,085.46 | 1,111.92 | 1,034.52 | 77.41 | 14.364 | | |
| 9,300.00 | 7,157.08 | 9,150.38 | 7,169.50 | 41.61 | 39.29 | -90.64 | -355.71 | 2,185.46 | 1,112.70 | 1,032.29 | 80.41 | 13.838 | | |
| 9,400.00 | 7,156.96 | 9,250.38 | 7,169.54 | 43.07 | 40.83 | -90.65 | -355.21 | 2,285.45 | 1,113.47 | 1,030.03 | 83.44 | 13.345 | | |
| 9,500.00 | 7,156.84 | 9,350.38 | 7,169.57 | 44.55 | 42.37 | -90.65 | -354.71 | 2,385.45 | 1,114.24 | 1,027.75 | 86.49 | 12.883 | | |
| 9,600.00 | 7,156.72 | 9,450.37 | 7,169.60 | 46.03 | 43.92 | -90.66 | -354.20 | 2,485.44 | 1,115.01 | 1,025.45 | 89.56 | 12.449 | | |
| 9,700.00 | 7,156.60 | 9,550.37 | 7,169.63 | 47.53 | 45.48 | -90.67 | -353.70 | 2,585.44 | 1,115.78 | 1,023.13 | 92.66 | 12.042 | | |
| 9,800.00 | 7,156.48 | 9,650.37 | 7,169.66 | 49.04 | 47.05 | -90.68 | -353.20 | 2,685.43 | 1,116.56 | 1,020.79 | 95.76 | 11.659 | | |
| 9,900.00 | 7,156.37 | 9,750.36 | 7,169.69 | 50.57 | 48.62 | -90.68 | -352.69 | 2,785.43 | 1,117.33 | 1,018.44 | 98.89 | 11.299 | | |
| 10,000.00 | 7,156.25 | 9,850.36 | 7,169.73 | 52.10 | 50.21 | -90.69 | -352.19 | 2,885.42 | 1,118.10 | 1,016.08 | 102.03 | 10.959 | | |
| 10,100.00 | 7,156.13 | 9,950.36 | 7,169.76 | 53.64 | 51.79 | -90.70 | -351.68 | 2,985.42 | 1,118.87 | 1,013.70 | 105.18 | 10.638 | | |
| 10,200.00 | 7,156.01 | 10,050.35 | 7,169.79 | 55.18 | 53.38 | -90.70 | -351.18 | 3,085.42 | 1,119.65 | 1,011.31 | 108.34 | 10.335 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 10,300.00 | 7,155.89 | 10,150.35 | 7,169.82 | 56.74 | 54.98 | -90.71 | -350.68 | 3,185.41 | 1,120.42 | 1,008.91 | 111.51 | 10.048 | | |
| 10,400.00 | 7,155.77 | 10,250.35 | 7,169.85 | 58.30 | 56.58 | -90.72 | -350.17 | 3,285.41 | 1,121.19 | 1,006.50 | 114.69 | 9.775 | | |
| 10,500.00 | 7,155.65 | 10,350.34 | 7,169.88 | 59.86 | 58.19 | -90.73 | -349.67 | 3,385.40 | 1,121.96 | 1,004.08 | 117.89 | 9.517 | | |
| 10,600.00 | 7,155.54 | 10,450.34 | 7,169.92 | 61.44 | 59.80 | -90.73 | -349.17 | 3,485.40 | 1,122.74 | 1,001.65 | 121.08 | 9.272 | | |
| 10,700.00 | 7,155.42 | 10,550.34 | 7,169.95 | 63.01 | 61.41 | -90.74 | -348.66 | 3,585.39 | 1,123.51 | 999.22 | 124.29 | 9.039 | | |
| 10,800.00 | 7,155.30 | 10,650.33 | 7,169.98 | 64.59 | 63.02 | -90.75 | -348.16 | 3,685.39 | 1,124.28 | 996.77 | 127.51 | 8.817 | | |
| 10,900.00 | 7,155.18 | 10,750.33 | 7,170.01 | 66.18 | 64.64 | -90.75 | -347.65 | 3,785.39 | 1,125.05 | 994.33 | 130.73 | 8.606 | | |
| 11,000.00 | 7,155.06 | 10,850.33 | 7,170.04 | 67.77 | 66.26 | -90.76 | -347.15 | 3,885.38 | 1,125.82 | 991.87 | 133.95 | 8.405 | | |
| 11,100.00 | 7,154.94 | 10,950.33 | 7,170.07 | 69.37 | 67.88 | -90.77 | -346.65 | 3,985.38 | 1,126.60 | 989.41 | 137.19 | 8.212 | | |
| 11,200.00 | 7,154.82 | 11,050.32 | 7,170.11 | 70.96 | 69.51 | -90.78 | -346.14 | 4,085.37 | 1,127.37 | 986.95 | 140.42 | 8.028 | | |
| 11,300.00 | 7,154.70 | 11,150.32 | 7,170.14 | 72.57 | 71.14 | -90.78 | -345.64 | 4,185.37 | 1,128.14 | 984.48 | 143.66 | 7.853 | | |
| 11,400.00 | 7,154.59 | 11,250.32 | 7,170.17 | 74.17 | 72.76 | -90.79 | -345.14 | 4,285.36 | 1,128.91 | 982.00 | 146.91 | 7.684 | | |
| 11,500.00 | 7,154.47 | 11,350.31 | 7,170.20 | 75.78 | 74.40 | -90.80 | -344.63 | 4,385.36 | 1,129.69 | 979.52 | 150.16 | 7.523 | | |
| 11,600.00 | 7,154.35 | 11,450.31 | 7,170.23 | 77.39 | 76.03 | -90.80 | -344.13 | 4,485.35 | 1,130.46 | 977.04 | 153.42 | 7.369 | | |
| 11,700.00 | 7,154.23 | 11,550.31 | 7,170.26 | 79.00 | 77.66 | -90.81 | -343.62 | 4,585.35 | 1,131.23 | 974.56 | 156.68 | 7.220 | | |
| 11,800.00 | 7,154.11 | 11,650.30 | 7,170.30 | 80.61 | 79.30 | -90.82 | -343.12 | 4,685.35 | 1,132.00 | 972.07 | 159.94 | 7.078 | | |
| 11,900.00 | 7,153.99 | 11,750.30 | 7,170.33 | 82.23 | 80.94 | -90.83 | -342.62 | 4,785.34 | 1,132.78 | 969.57 | 163.20 | 6.941 | | |
| 12,000.00 | 7,153.87 | 11,850.30 | 7,170.36 | 83.85 | 82.58 | -90.83 | -342.11 | 4,885.34 | 1,133.55 | 967.08 | 166.47 | 6.809 | | |
| 12,100.00 | 7,153.76 | 11,950.29 | 7,170.39 | 85.47 | 84.22 | -90.84 | -341.61 | 4,985.33 | 1,134.32 | 964.58 | 169.74 | 6.683 | | |
| 12,200.00 | 7,153.64 | 12,050.29 | 7,170.42 | 87.10 | 85.86 | -90.85 | -341.11 | 5,085.33 | 1,135.09 | 962.08 | 173.02 | 6.561 | | |
| 12,300.00 | 7,153.52 | 12,150.29 | 7,170.46 | 88.72 | 87.50 | -90.85 | -340.60 | 5,185.32 | 1,135.87 | 959.57 | 176.29 | 6.443 | | |
| 12,400.00 | 7,153.40 | 12,250.29 | 7,170.49 | 90.35 | 89.14 | -90.86 | -340.10 | 5,285.32 | 1,136.64 | 957.07 | 179.57 | 6.330 | | |
| 12,500.00 | 7,153.28 | 12,350.28 | 7,170.52 | 91.98 | 90.79 | -90.87 | -339.59 | 5,385.32 | 1,137.41 | 954.56 | 182.85 | 6.220 | | |
| 12,600.00 | 7,153.16 | 12,450.28 | 7,170.55 | 93.61 | 92.43 | -90.87 | -339.09 | 5,485.31 | 1,138.18 | 952.05 | 186.14 | 6.115 | | |
| 12,700.00 | 7,153.04 | 12,550.28 | 7,170.58 | 95.24 | 94.08 | -90.88 | -338.59 | 5,585.31 | 1,138.96 | 949.54 | 189.42 | 6.013 | | |
| 12,800.00 | 7,152.92 | 12,650.27 | 7,170.61 | 96.87 | 95.73 | -90.89 | -338.08 | 5,685.30 | 1,139.73 | 947.02 | 192.71 | 5.914 | | |
| 12,900.00 | 7,152.81 | 12,773.86 | 7,170.65 | 98.50 | 97.76 | -90.90 | -338.32 | 5,808.88 | 1,139.89 | 943.29 | 196.60 | 5.798 | | |
| 13,000.00 | 7,152.69 | 12,873.85 | 7,170.68 | 100.14 | 99.41 | -90.91 | -339.89 | 5,908.86 | 1,138.59 | 938.70 | 199.89 | 5.696 | | |
| 13,100.00 | 7,152.57 | 12,973.84 | 7,170.72 | 101.78 | 101.06 | -90.92 | -341.45 | 6,008.84 | 1,137.30 | 934.11 | 203.19 | 5.597 | | |
| 13,200.00 | 7,152.45 | 13,073.83 | 7,170.75 | 103.41 | 102.72 | -90.92 | -343.02 | 6,108.82 | 1,136.00 | 929.51 | 206.49 | 5.502 | | |
| 13,300.00 | 7,152.33 | 13,173.82 | 7,170.78 | 105.05 | 104.37 | -90.93 | -344.58 | 6,208.80 | 1,134.70 | 924.92 | 209.78 | 5.409 | | |
| 13,400.00 | 7,152.21 | 13,273.81 | 7,170.81 | 106.69 | 106.03 | -90.94 | -346.15 | 6,308.78 | 1,133.41 | 920.32 | 213.08 | 5.319 | | |
| 13,500.00 | 7,152.09 | 13,373.81 | 7,170.84 | 108.33 | 107.68 | -90.95 | -347.71 | 6,408.76 | 1,132.11 | 915.73 | 216.38 | 5.232 | | |
| 13,600.00 | 7,151.98 | 13,473.80 | 7,170.87 | 109.98 | 109.34 | -90.96 | -349.28 | 6,508.74 | 1,130.82 | 911.13 | 219.69 | 5.147 | | |
| 13,700.00 | 7,151.86 | 13,573.79 | 7,170.91 | 111.62 | 110.99 | -90.97 | -350.84 | 6,608.72 | 1,129.52 | 906.53 | 222.99 | 5.065 | | |
| 13,800.00 | 7,151.74 | 13,673.78 | 7,170.94 | 113.26 | 112.65 | -90.98 | -352.41 | 6,708.69 | 1,128.22 | 901.93 | 226.30 | 4.986 | | |
| 13,900.00 | 7,151.62 | 13,773.77 | 7,170.97 | 114.91 | 114.31 | -90.98 | -353.97 | 6,808.67 | 1,126.93 | 897.33 | 229.60 | 4.908 | | |
| 14,000.00 | 7,151.50 | 13,873.76 | 7,171.00 | 116.55 | 115.96 | -90.99 | -355.54 | 6,908.65 | 1,125.63 | 892.72 | 232.91 | 4.833 | | |
| 14,100.00 | 7,151.38 | 13,973.75 | 7,171.03 | 118.20 | 117.62 | -91.00 | -357.10 | 7,008.63 | 1,124.34 | 888.12 | 236.22 | 4.760 | | |
| 14,200.00 | 7,151.26 | 14,073.75 | 7,171.07 | 119.84 | 119.28 | -91.01 | -358.67 | 7,108.61 | 1,123.04 | 883.52 | 239.53 | 4.689 | | |
| 14,300.00 | 7,151.14 | 14,173.74 | 7,171.10 | 121.49 | 120.94 | -91.02 | -360.23 | 7,208.59 | 1,121.75 | 878.91 | 242.84 | 4.619 | | |
| 14,400.00 | 7,151.03 | 14,273.73 | 7,171.13 | 123.14 | 122.60 | -91.03 | -361.80 | 7,308.57 | 1,120.45 | 874.30 | 246.15 | 4.552 | | |
| 14,500.00 | 7,150.91 | 14,373.72 | 7,171.16 | 124.79 | 124.26 | -91.04 | -363.36 | 7,408.55 | 1,119.16 | 869.70 | 249.46 | 4.486 | | |
| 14,600.00 | 7,150.79 | 14,473.71 | 7,171.19 | 126.44 | 125.92 | -91.05 | -364.93 | 7,508.53 | 1,117.86 | 865.09 | 252.77 | 4.422 | | |
| 14,700.00 | 7,150.67 | 14,573.70 | 7,171.22 | 128.09 | 127.58 | -91.06 | -366.49 | 7,608.51 | 1,116.56 | 860.48 | 256.08 | 4.360 | | |
| 14,800.00 | 7,150.55 | 14,673.69 | 7,171.26 | 129.74 | 129.24 | -91.06 | -368.06 | 7,708.49 | 1,115.27 | 855.87 | 259.40 | 4.299 | | |
| 14,900.00 | 7,150.43 | 14,773.69 | 7,171.29 | 131.39 | 130.90 | -91.07 | -369.62 | 7,808.47 | 1,113.97 | 851.26 | 262.71 | 4.240 | | |
| 15,000.00 | 7,150.31 | 14,873.68 | 7,171.32 | 133.04 | 132.56 | -91.08 | -371.19 | 7,908.45 | 1,112.68 | 846.65 | 266.03 | 4.183 | | |
| 15,100.00 | 7,150.20 | 14,973.67 | 7,171.35 | 134.69 | 134.22 | -91.09 | -372.75 | 8,008.42 | 1,111.38 | 842.04 | 269.35 | 4.126 | | |
| 15,200.00 | 7,150.08 | 15,073.66 | 7,171.38 | 136.34 | 135.88 | -91.10 | -374.32 | 8,108.40 | 1,110.09 | 837.43 | 272.66 | 4.071 | | |
| 15,300.00 | 7,149.96 | 15,173.65 | 7,171.41 | 138.00 | 137.54 | -91.11 | -375.88 | 8,208.38 | 1,108.79 | 832.81 | 275.98 | 4.018 | | |
| 15,400.00 | 7,149.84 | 15,273.64 | 7,171.45 | 139.65 | 139.21 | -91.12 | -377.45 | 8,308.36 | 1,107.50 | 828.20 | 279.30 | 3.965 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 15,500.00 | 7,149.72 | 15,373.63 | 7,171.48 | 141.30 | 140.87 | -91.13 | -379.01 | 8,408.34 | 1,106.20 | 823.58 | 282.62 | 3.914 | | |
| 15,600.00 | 7,149.60 | 15,473.63 | 7,171.51 | 142.96 | 142.53 | -91.14 | -380.58 | 8,508.32 | 1,104.91 | 818.97 | 285.94 | 3.864 | | |
| 15,700.00 | 7,149.48 | 15,573.62 | 7,171.54 | 144.61 | 144.19 | -91.15 | -382.14 | 8,608.30 | 1,103.61 | 814.35 | 289.26 | 3.815 | | |
| 15,800.00 | 7,149.36 | 15,673.61 | 7,171.57 | 146.27 | 145.86 | -91.16 | -383.71 | 8,708.28 | 1,102.32 | 809.74 | 292.58 | 3.768 | | |
| 15,900.00 | 7,149.25 | 15,773.60 | 7,171.61 | 147.92 | 147.52 | -91.16 | -385.27 | 8,808.26 | 1,101.02 | 805.12 | 295.90 | 3.721 | | |
| 16,000.00 | 7,149.13 | 15,873.59 | 7,171.64 | 149.58 | 149.18 | -91.17 | -386.84 | 8,908.24 | 1,099.73 | 800.51 | 299.22 | 3.675 | | |
| 16,100.00 | 7,149.01 | 15,973.58 | 7,171.67 | 151.23 | 150.85 | -91.18 | -388.40 | 9,008.22 | 1,098.43 | 795.89 | 302.54 | 3.631 | | |
| 16,200.00 | 7,148.89 | 16,073.57 | 7,171.70 | 152.89 | 152.51 | -91.19 | -389.97 | 9,108.20 | 1,097.14 | 791.27 | 305.86 | 3.587 | | |
| 16,300.00 | 7,148.77 | 16,173.57 | 7,171.73 | 154.55 | 154.18 | -91.20 | -391.53 | 9,208.17 | 1,095.84 | 786.65 | 309.19 | 3.544 | | |
| 16,400.00 | 7,148.65 | 16,273.56 | 7,171.76 | 156.20 | 155.84 | -91.21 | -393.10 | 9,308.15 | 1,094.55 | 782.04 | 312.51 | 3.502 | | |
| 16,500.00 | 7,148.53 | 16,373.55 | 7,171.80 | 157.86 | 157.51 | -91.22 | -394.66 | 9,408.13 | 1,093.25 | 777.42 | 315.83 | 3.461 | | |
| 16,600.00 | 7,148.42 | 16,473.54 | 7,171.83 | 159.52 | 159.17 | -91.23 | -396.23 | 9,508.11 | 1,091.96 | 772.80 | 319.16 | 3.421 | | |
| 16,700.00 | 7,148.30 | 16,573.53 | 7,171.86 | 161.18 | 160.84 | -91.24 | -397.79 | 9,608.09 | 1,090.66 | 768.18 | 322.48 | 3.382 | | |
| 16,800.00 | 7,148.18 | 16,673.52 | 7,171.89 | 162.83 | 162.50 | -91.25 | -399.36 | 9,708.07 | 1,089.37 | 763.56 | 325.81 | 3.344 | | |
| 16,880.83 | 7,148.08 | 16,740.25 | 7,171.91 | 164.18 | 163.61 | -91.25 | -400.16 | 9,774.80 | 1,088.65 | 760.52 | 328.13 | 3.318 | | |
| 16,900.00 | 7,148.06 | 16,758.51 | 7,171.92 | 164.49 | 163.91 | -91.26 | -400.17 | 9,787.99 | 1,088.70 | 760.01 | 328.68 | 3.312 | | |
| 17,000.00 | 7,147.94 | 16,853.44 | 7,171.95 | 166.15 | 165.49 | -91.26 | -399.89 | 9,887.99 | 1,089.24 | 757.32 | 331.92 | 3.282 | | |
| 17,100.00 | 7,147.82 | 16,953.44 | 7,171.98 | 167.81 | 167.16 | -91.27 | -399.61 | 9,987.98 | 1,089.79 | 754.55 | 335.24 | 3.251 | | |
| 17,200.00 | 7,147.70 | 17,053.44 | 7,172.01 | 169.47 | 168.82 | -91.28 | -399.33 | 10,087.98 | 1,090.34 | 751.77 | 338.57 | 3.220 | | |
| 17,300.00 | 7,147.58 | 17,153.44 | 7,172.04 | 171.13 | 170.48 | -91.28 | -399.05 | 10,187.98 | 1,090.89 | 749.00 | 341.89 | 3.191 | | |
| 17,400.00 | 7,147.47 | 17,253.44 | 7,172.07 | 172.79 | 172.15 | -91.29 | -398.77 | 10,287.98 | 1,091.44 | 746.22 | 345.22 | 3.162 | | |
| 17,500.00 | 7,147.35 | 17,353.44 | 7,172.11 | 174.45 | 173.81 | -91.30 | -398.49 | 10,387.98 | 1,091.99 | 743.45 | 348.54 | 3.133 | | |
| 17,600.00 | 7,147.23 | 17,453.43 | 7,172.14 | 176.11 | 175.48 | -91.31 | -398.21 | 10,487.97 | 1,092.54 | 740.67 | 351.87 | 3.105 | | |
| 17,700.00 | 7,147.11 | 17,553.43 | 7,172.17 | 177.77 | 177.14 | -91.31 | -397.93 | 10,587.97 | 1,093.09 | 737.89 | 355.20 | 3.077 | | |
| 17,800.00 | 7,146.99 | 17,653.43 | 7,172.20 | 179.43 | 178.80 | -91.32 | -397.66 | 10,687.97 | 1,093.64 | 735.11 | 358.52 | 3.050 | | |
| 17,900.00 | 7,146.87 | 17,753.43 | 7,172.23 | 181.09 | 180.47 | -91.33 | -397.38 | 10,787.97 | 1,094.18 | 732.34 | 361.85 | 3.024 | | |
| 18,000.00 | 7,146.75 | 17,853.43 | 7,172.26 | 182.75 | 182.13 | -91.33 | -397.10 | 10,887.97 | 1,094.73 | 729.56 | 365.17 | 2.998 | | |
| 18,100.00 | 7,146.64 | 17,953.43 | 7,172.30 | 184.41 | 183.80 | -91.34 | -396.82 | 10,987.96 | 1,095.28 | 726.78 | 368.50 | 2.972 | | |
| 18,200.00 | 7,146.52 | 18,053.43 | 7,172.33 | 186.08 | 185.46 | -91.35 | -396.54 | 11,087.96 | 1,095.83 | 724.00 | 371.83 | 2.947 | | |
| 18,300.00 | 7,146.40 | 18,153.42 | 7,172.36 | 187.74 | 187.13 | -91.36 | -396.26 | 11,187.96 | 1,096.38 | 721.23 | 375.16 | 2.922 | | |
| 18,400.00 | 7,146.28 | 18,253.42 | 7,172.39 | 189.40 | 188.79 | -91.36 | -395.98 | 11,287.96 | 1,096.93 | 718.45 | 378.48 | 2.898 | | |
| 18,500.00 | 7,146.16 | 18,353.42 | 7,172.42 | 191.06 | 190.46 | -91.37 | -395.70 | 11,387.96 | 1,097.48 | 715.67 | 381.81 | 2.874 | | |
| 18,600.00 | 7,146.04 | 18,453.42 | 7,172.46 | 192.72 | 192.12 | -91.38 | -395.42 | 11,487.95 | 1,098.03 | 712.89 | 385.14 | 2.851 | | |
| 18,700.00 | 7,145.92 | 18,553.42 | 7,172.49 | 194.39 | 193.79 | -91.39 | -395.15 | 11,587.95 | 1,098.58 | 710.11 | 388.47 | 2.828 | | |
| 18,800.00 | 7,145.80 | 18,653.42 | 7,172.52 | 196.05 | 195.45 | -91.39 | -394.87 | 11,687.95 | 1,099.13 | 707.33 | 391.80 | 2.805 | | |
| 18,900.00 | 7,145.69 | 18,753.41 | 7,172.55 | 197.71 | 197.12 | -91.40 | -394.59 | 11,787.95 | 1,099.68 | 704.55 | 395.12 | 2.783 | | |
| 19,000.00 | 7,145.57 | 18,853.41 | 7,172.58 | 199.37 | 198.79 | -91.41 | -394.31 | 11,887.95 | 1,100.22 | 701.77 | 398.45 | 2.761 | | |
| 19,100.00 | 7,145.45 | 18,953.41 | 7,172.61 | 201.04 | 200.45 | -91.41 | -394.03 | 11,987.94 | 1,100.77 | 698.99 | 401.78 | 2.740 | | |
| 19,200.00 | 7,145.33 | 19,053.41 | 7,172.65 | 202.70 | 202.12 | -91.42 | -393.75 | 12,087.94 | 1,101.32 | 696.21 | 405.11 | 2.719 | | |
| 19,300.00 | 7,145.21 | 19,153.41 | 7,172.68 | 204.36 | 203.78 | -91.43 | -393.47 | 12,187.94 | 1,101.87 | 693.43 | 408.44 | 2.698 | | |
| 19,400.00 | 7,145.09 | 19,253.41 | 7,172.71 | 206.03 | 205.45 | -91.44 | -393.19 | 12,287.94 | 1,102.42 | 690.65 | 411.77 | 2.677 | | |
| 19,500.00 | 7,144.97 | 19,353.40 | 7,172.74 | 207.69 | 207.12 | -91.44 | -392.91 | 12,387.94 | 1,102.97 | 687.87 | 415.10 | 2.657 | | |
| 19,600.00 | 7,144.86 | 19,453.40 | 7,172.77 | 209.35 | 208.78 | -91.45 | -392.63 | 12,487.93 | 1,103.52 | 685.09 | 418.43 | 2.637 | | |
| 19,700.00 | 7,144.74 | 19,553.40 | 7,172.80 | 211.02 | 210.45 | -91.46 | -392.36 | 12,587.93 | 1,104.07 | 682.31 | 421.76 | 2.618 | | |
| 19,800.00 | 7,144.62 | 19,653.40 | 7,172.84 | 212.68 | 212.12 | -91.46 | -392.08 | 12,687.93 | 1,104.62 | 679.53 | 425.09 | 2.599 | | |
| 19,900.00 | 7,144.50 | 19,753.40 | 7,172.87 | 214.35 | 213.78 | -91.47 | -391.80 | 12,787.93 | 1,105.17 | 676.75 | 428.42 | 2.580 | | |
| 20,000.00 | 7,144.38 | 19,853.40 | 7,172.90 | 216.01 | 215.45 | -91.48 | -391.52 | 12,887.93 | 1,105.72 | 673.97 | 431.75 | 2.561 | | |
| 20,100.00 | 7,144.26 | 19,953.39 | 7,172.93 | 217.67 | 217.12 | -91.48 | -391.24 | 12,987.92 | 1,106.27 | 671.18 | 435.08 | 2.543 | | |
| 20,200.00 | 7,144.14 | 20,053.39 | 7,172.96 | 219.34 | 218.78 | -91.49 | -390.96 | 13,087.92 | 1,106.82 | 668.40 | 438.41 | 2.525 | | |
| 20,300.00 | 7,144.02 | 20,153.39 | 7,172.99 | 221.00 | 220.45 | -91.50 | -390.68 | 13,187.92 | 1,107.37 | 665.62 | 441.74 | 2.507 | | |
| 20,320.42 | 7,144.00 | 20,173.81 | 7,173.00 | 221.34 | 220.79 | -91.50 | -390.63 | 13,208.34 | 1,107.48 | 665.05 | 442.42 | 2.503 SF | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.20 | 80.14 | -0.28 | 80.14 | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.20 | 80.14 | -0.28 | 80.14 | 72.61 | 7.53 | 10.645 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.20 | 80.14 | -0.28 | 80.14 | 72.57 | 7.57 | 10.581 | |
| 300.00 | 299.98 | 302.86 | 302.84 | 3.34 | 3.35 | 176.88 | 78.30 | -0.46 | 80.10 | 72.45 | 7.65 | 10.469 | |
| 400.00 | 399.84 | 405.72 | 405.54 | 3.40 | 3.41 | 176.68 | 72.79 | -1.02 | 79.97 | 72.22 | 7.75 | 10.312 | |
| 451.45 | 451.13 | 458.63 | 458.28 | 3.45 | 3.45 | 176.52 | 68.53 | -1.45 | 79.87 | 72.05 | 7.82 | 10.209 CC, ES | |
| 500.00 | 499.45 | 507.01 | 506.47 | 3.49 | 3.50 | 176.38 | 64.30 | -1.87 | 80.29 | 72.38 | 7.91 | 10.154 | |
| 600.00 | 598.70 | 606.95 | 606.02 | 3.60 | 3.60 | 176.22 | 55.55 | -2.75 | 83.73 | 75.62 | 8.11 | 10.322 | |
| 700.00 | 697.47 | 706.70 | 705.39 | 3.75 | 3.73 | 176.22 | 46.81 | -3.63 | 90.64 | 82.28 | 8.36 | 10.841 | |
| 800.00 | 795.62 | 806.16 | 804.46 | 3.95 | 3.89 | 176.34 | 38.10 | -4.51 | 101.02 | 92.37 | 8.65 | 11.674 | |
| 900.00 | 893.30 | 905.34 | 903.25 | 4.18 | 4.06 | 176.52 | 29.42 | -5.39 | 113.79 | 104.81 | 8.98 | 12.668 | |
| 1,000.00 | 990.96 | 1,004.51 | 1,002.04 | 4.45 | 4.24 | 176.67 | 20.73 | -6.26 | 126.63 | 117.29 | 9.34 | 13.562 | |
| 1,100.00 | 1,088.62 | 1,103.68 | 1,100.83 | 4.74 | 4.44 | 176.80 | 12.04 | -7.14 | 139.48 | 129.75 | 9.72 | 14.347 | |
| 1,200.00 | 1,186.28 | 1,202.85 | 1,199.61 | 5.05 | 4.65 | 176.90 | 3.36 | -8.01 | 152.32 | 142.19 | 10.13 | 15.035 | |
| 1,300.00 | 1,283.94 | 1,302.02 | 1,298.40 | 5.38 | 4.88 | 176.99 | -5.33 | -8.88 | 165.16 | 154.60 | 10.56 | 15.636 | |
| 1,400.00 | 1,381.60 | 1,401.20 | 1,397.19 | 5.73 | 5.11 | 177.06 | -14.01 | -9.76 | 178.01 | 166.99 | 11.01 | 16.163 | |
| 1,500.00 | 1,479.26 | 1,500.37 | 1,495.97 | 6.08 | 5.35 | 177.13 | -22.70 | -10.63 | 190.85 | 179.37 | 11.48 | 16.624 | |
| 1,600.00 | 1,576.92 | 1,600.46 | 1,594.76 | 6.45 | 5.60 | 177.18 | -31.38 | -11.51 | 203.70 | 191.73 | 11.96 | 17.026 | |
| 1,700.00 | 1,674.58 | 1,698.71 | 1,693.55 | 6.82 | 5.85 | 177.23 | -40.07 | -12.38 | 216.54 | 204.09 | 12.46 | 17.384 | |
| 1,800.00 | 1,772.24 | 1,802.12 | 1,792.33 | 7.21 | 6.11 | 177.27 | -48.76 | -13.26 | 229.39 | 216.42 | 12.97 | 17.687 | |
| 1,900.00 | 1,869.90 | 1,902.95 | 1,891.12 | 7.42 | 6.25 | 177.31 | -57.44 | -14.13 | 242.23 | 229.38 | 12.86 | 18.841 | |
| 2,000.00 | 1,967.56 | 2,003.78 | 1,989.91 | 7.47 | 6.27 | 177.35 | -66.13 | -15.01 | 255.08 | 242.19 | 12.89 | 19.790 | |
| 2,100.00 | 2,065.22 | 2,095.40 | 2,088.69 | 7.54 | 6.30 | 177.38 | -74.81 | -15.88 | 267.92 | 254.97 | 12.95 | 20.689 | |
| 2,200.00 | 2,162.88 | 2,205.43 | 2,187.48 | 7.63 | 6.36 | 177.41 | -83.50 | -16.76 | 280.77 | 267.72 | 13.05 | 21.520 | |
| 2,300.00 | 2,260.54 | 2,306.26 | 2,286.26 | 7.74 | 6.42 | 177.44 | -92.18 | -17.63 | 293.62 | 280.44 | 13.17 | 22.292 | |
| 2,400.00 | 2,358.20 | 2,407.09 | 2,385.05 | 7.87 | 6.50 | 177.46 | -100.87 | -18.51 | 306.46 | 293.14 | 13.32 | 23.001 | |
| 2,500.00 | 2,455.85 | 2,507.92 | 2,483.84 | 8.01 | 6.59 | 177.48 | -109.55 | -19.38 | 319.31 | 305.80 | 13.50 | 23.644 | |
| 2,600.00 | 2,553.51 | 2,608.75 | 2,582.62 | 8.17 | 6.70 | 177.50 | -118.24 | -20.25 | 332.15 | 318.44 | 13.71 | 24.223 | |
| 2,700.00 | 2,651.17 | 2,709.58 | 2,681.41 | 8.34 | 6.81 | 177.52 | -126.93 | -21.13 | 345.00 | 331.05 | 13.95 | 24.739 | |
| 2,800.00 | 2,748.83 | 2,789.60 | 2,780.20 | 8.52 | 6.91 | 177.54 | -135.61 | -22.00 | 357.84 | 343.67 | 14.18 | 25.240 | |
| 2,900.00 | 2,846.49 | 2,888.77 | 2,878.98 | 8.72 | 7.04 | 177.56 | -144.30 | -22.88 | 370.69 | 356.24 | 14.45 | 25.647 | |
| 3,000.00 | 2,944.15 | 2,987.94 | 2,977.77 | 8.93 | 7.19 | 177.57 | -152.98 | -23.75 | 383.54 | 368.79 | 14.75 | 26.001 | |
| 3,100.00 | 3,041.81 | 3,087.11 | 3,076.56 | 9.16 | 7.34 | 177.59 | -161.67 | -24.63 | 396.38 | 381.31 | 15.07 | 26.306 | |
| 3,200.00 | 3,139.47 | 3,186.28 | 3,175.34 | 9.39 | 7.50 | 177.60 | -170.35 | -25.50 | 409.23 | 393.82 | 15.40 | 26.566 | |
| 3,300.00 | 3,237.13 | 3,285.45 | 3,274.13 | 9.63 | 7.67 | 177.61 | -179.04 | -26.38 | 422.07 | 406.32 | 15.76 | 26.786 | |
| 3,400.00 | 3,334.79 | 3,384.62 | 3,372.92 | 9.88 | 7.85 | 177.62 | -187.73 | -27.25 | 434.92 | 418.79 | 16.13 | 26.969 | |
| 3,500.00 | 3,432.45 | 3,483.80 | 3,471.70 | 10.14 | 8.03 | 177.63 | -196.41 | -28.13 | 447.77 | 431.26 | 16.51 | 27.118 | |
| 3,600.00 | 3,530.11 | 3,582.97 | 3,570.49 | 10.41 | 8.22 | 177.65 | -205.10 | -29.00 | 460.61 | 443.70 | 16.91 | 27.239 | |
| 3,700.00 | 3,627.77 | 3,682.14 | 3,669.28 | 10.68 | 8.42 | 177.66 | -213.78 | -29.88 | 473.46 | 456.14 | 17.32 | 27.332 | |
| 3,800.00 | 3,725.43 | 3,781.31 | 3,768.06 | 10.96 | 8.62 | 177.66 | -222.47 | -30.75 | 486.31 | 468.56 | 17.75 | 27.403 | |
| 3,900.00 | 3,823.09 | 3,880.48 | 3,866.85 | 11.25 | 8.83 | 177.67 | -231.15 | -31.62 | 499.15 | 480.97 | 18.18 | 27.454 | |
| 4,000.00 | 3,920.75 | 3,979.65 | 3,965.63 | 11.54 | 9.04 | 177.68 | -239.84 | -32.50 | 512.00 | 493.37 | 18.63 | 27.487 | |
| 4,100.00 | 4,018.41 | 4,078.82 | 4,064.42 | 11.84 | 9.26 | 177.69 | -248.52 | -33.37 | 524.84 | 505.76 | 19.08 | 27.504 | |
| 4,200.00 | 4,116.07 | 4,178.00 | 4,163.21 | 12.14 | 9.48 | 177.70 | -257.21 | -34.25 | 537.69 | 518.14 | 19.55 | 27.508 | |
| 4,300.00 | 4,213.73 | 4,277.17 | 4,261.99 | 12.45 | 9.71 | 177.71 | -265.90 | -35.12 | 550.54 | 530.52 | 20.02 | 27.500 | |
| 4,400.00 | 4,311.39 | 4,376.34 | 4,360.78 | 12.76 | 9.94 | 177.71 | -274.58 | -36.00 | 563.38 | 542.88 | 20.50 | 27.482 | |
| 4,500.00 | 4,409.05 | 4,475.51 | 4,459.57 | 13.08 | 10.17 | 177.72 | -283.27 | -36.87 | 576.23 | 555.24 | 20.99 | 27.456 | |
| 4,600.00 | 4,506.71 | 4,574.68 | 4,558.35 | 13.40 | 10.41 | 177.73 | -291.95 | -37.75 | 589.07 | 567.59 | 21.48 | 27.422 | |
| 4,700.00 | 4,604.37 | 4,673.85 | 4,657.14 | 13.72 | 10.65 | 177.73 | -300.64 | -38.62 | 601.92 | 579.94 | 21.98 | 27.381 | |
| 4,800.00 | 4,702.03 | 4,773.02 | 4,755.93 | 14.04 | 10.89 | 177.74 | -309.32 | -39.50 | 614.77 | 592.28 | 22.49 | 27.336 | |
| 4,900.00 | 4,799.69 | 4,872.20 | 4,854.71 | 14.37 | 11.14 | 177.74 | -318.01 | -40.37 | 627.61 | 604.61 | 23.00 | 27.286 | |
| 5,000.00 | 4,897.35 | 4,971.37 | 4,953.50 | 14.70 | 11.38 | 177.75 | -326.70 | -41.24 | 640.46 | 616.94 | 23.52 | 27.233 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,100.00 | 4,995.01 | 5,070.54 | 5,052.29 | 15.03 | 11.63 | 177.75 | -335.38 | -42.12 | 653.31 | 629.27 | 24.04 | 27.176 | | |
| 5,200.00 | 5,092.67 | 5,169.71 | 5,151.07 | 15.37 | 11.89 | 177.76 | -344.07 | -42.99 | 666.15 | 641.59 | 24.57 | 27.117 | | |
| 5,300.00 | 5,190.33 | 5,268.88 | 5,249.86 | 15.71 | 12.14 | 177.76 | -352.75 | -43.87 | 679.00 | 653.90 | 25.10 | 27.056 | | |
| 5,400.00 | 5,287.99 | 5,368.05 | 5,348.65 | 16.05 | 12.40 | 177.77 | -361.44 | -44.74 | 691.84 | 666.21 | 25.63 | 26.993 | | |
| 5,500.00 | 5,385.65 | 5,467.22 | 5,447.43 | 16.39 | 12.66 | 177.77 | -370.12 | -45.62 | 704.69 | 678.52 | 26.17 | 26.929 | | |
| 5,600.00 | 5,483.31 | 5,566.40 | 5,546.22 | 16.73 | 12.92 | 177.78 | -378.81 | -46.49 | 717.54 | 690.83 | 26.71 | 26.864 | | |
| 5,700.00 | 5,580.97 | 5,665.57 | 5,645.00 | 17.08 | 13.18 | 177.78 | -387.50 | -47.37 | 730.38 | 703.13 | 27.25 | 26.799 | | |
| 5,800.00 | 5,678.63 | 5,764.74 | 5,743.79 | 17.42 | 13.44 | 177.79 | -396.18 | -48.24 | 743.23 | 715.43 | 27.80 | 26.733 | | |
| 5,900.00 | 5,776.29 | 5,863.91 | 5,842.58 | 17.77 | 13.70 | 177.79 | -404.87 | -49.12 | 756.08 | 727.72 | 28.35 | 26.667 | | |
| 6,000.00 | 5,873.95 | 5,963.08 | 5,941.36 | 18.12 | 13.97 | 177.79 | -413.55 | -49.99 | 768.92 | 740.02 | 28.91 | 26.601 | | |
| 6,100.00 | 5,971.61 | 6,062.25 | 6,040.15 | 18.47 | 14.24 | 177.80 | -422.24 | -50.87 | 781.77 | 752.31 | 29.46 | 26.536 | | |
| 6,200.00 | 6,069.26 | 6,161.42 | 6,138.94 | 18.82 | 14.50 | 177.80 | -430.92 | -51.74 | 794.61 | 764.60 | 30.02 | 26.470 | | |
| 6,300.00 | 6,166.92 | 6,260.60 | 6,237.72 | 19.18 | 14.77 | 177.80 | -439.61 | -52.61 | 807.46 | 776.88 | 30.58 | 26.406 | | |
| 6,400.00 | 6,264.58 | 6,359.77 | 6,336.51 | 19.53 | 15.04 | 177.81 | -448.29 | -53.49 | 820.31 | 789.17 | 31.14 | 26.341 | | |
| 6,500.00 | 6,362.24 | 6,458.94 | 6,435.30 | 19.89 | 15.32 | 177.81 | -456.98 | -54.36 | 833.15 | 801.45 | 31.71 | 26.277 | | |
| 6,600.00 | 6,459.90 | 6,558.11 | 6,534.08 | 20.24 | 15.59 | 177.81 | -465.67 | -55.24 | 846.00 | 813.73 | 32.27 | 26.214 | | |
| 6,700.00 | 6,557.56 | 6,657.43 | 6,633.01 | 20.59 | 15.85 | -170.76 | -474.38 | -54.98 | 858.84 | 826.01 | 32.83 | 26.163 | | |
| 6,800.00 | 6,654.52 | 6,756.86 | 6,731.11 | 20.88 | 16.08 | -137.35 | -483.21 | -42.19 | 871.44 | 838.14 | 33.30 | 26.166 | | |
| 6,900.00 | 6,748.60 | 6,856.13 | 6,825.87 | 21.16 | 16.30 | -119.69 | -491.98 | -14.30 | 883.48 | 849.73 | 33.75 | 26.178 | | |
| 7,000.00 | 6,837.47 | 6,955.31 | 6,915.07 | 21.44 | 16.52 | -110.19 | -500.47 | 27.99 | 894.66 | 860.48 | 34.18 | 26.176 | | |
| 7,100.00 | 6,918.94 | 7,054.45 | 6,996.60 | 21.70 | 16.73 | -104.45 | -508.50 | 83.64 | 904.70 | 870.08 | 34.63 | 26.127 | | |
| 7,200.00 | 6,991.02 | 7,153.58 | 7,068.52 | 21.95 | 16.94 | -100.68 | -515.85 | 151.32 | 913.36 | 878.21 | 35.15 | 25.985 | | |
| 7,300.00 | 7,051.93 | 7,252.72 | 7,129.11 | 22.19 | 17.15 | -98.11 | -522.37 | 229.39 | 920.42 | 884.61 | 35.81 | 25.704 | | |
| 7,400.00 | 7,100.16 | 7,351.86 | 7,176.89 | 22.43 | 17.40 | -96.38 | -527.89 | 315.97 | 925.71 | 889.05 | 36.66 | 25.250 | | |
| 7,500.00 | 7,134.53 | 7,450.98 | 7,210.70 | 22.69 | 17.79 | -95.28 | -532.27 | 408.94 | 929.09 | 891.35 | 37.74 | 24.615 | | |
| 7,600.00 | 7,154.20 | 7,550.06 | 7,229.72 | 23.01 | 18.38 | -94.72 | -535.41 | 506.02 | 930.49 | 891.43 | 39.06 | 23.821 | | |
| 7,700.00 | 7,158.98 | 7,649.33 | 7,234.05 | 23.42 | 19.13 | -94.63 | -537.29 | 605.10 | 929.91 | 889.32 | 40.59 | 22.909 | | |
| 7,800.00 | 7,158.86 | 7,749.32 | 7,234.22 | 23.96 | 20.01 | -94.66 | -538.82 | 705.08 | 928.68 | 886.34 | 42.34 | 21.935 | | |
| 7,900.00 | 7,158.74 | 7,849.31 | 7,234.40 | 24.64 | 21.00 | -94.68 | -540.35 | 805.06 | 927.44 | 883.18 | 44.26 | 20.952 | | |
| 8,000.00 | 7,158.62 | 7,949.30 | 7,234.57 | 25.44 | 22.06 | -94.70 | -541.88 | 905.04 | 926.21 | 879.86 | 46.35 | 19.981 | | |
| 8,100.00 | 7,158.50 | 8,049.29 | 7,234.74 | 26.35 | 23.21 | -94.73 | -543.40 | 1,005.02 | 924.98 | 876.39 | 48.58 | 19.039 | | |
| 8,200.00 | 7,158.38 | 8,149.28 | 7,234.92 | 27.36 | 24.41 | -94.75 | -544.93 | 1,105.00 | 923.74 | 872.81 | 50.94 | 18.135 | | |
| 8,300.00 | 7,158.26 | 8,249.28 | 7,235.09 | 28.43 | 25.66 | -94.78 | -546.46 | 1,204.98 | 922.51 | 869.12 | 53.39 | 17.277 | | |
| 8,400.00 | 7,158.15 | 8,349.27 | 7,235.27 | 29.58 | 26.97 | -94.80 | -547.99 | 1,304.96 | 921.28 | 865.33 | 55.94 | 16.468 | | |
| 8,500.00 | 7,158.03 | 8,449.26 | 7,235.44 | 30.77 | 28.31 | -94.83 | -549.51 | 1,404.94 | 920.05 | 861.47 | 58.57 | 15.708 | | |
| 8,600.00 | 7,157.91 | 8,549.25 | 7,235.62 | 32.02 | 29.68 | -94.85 | -551.04 | 1,504.92 | 918.81 | 857.54 | 61.27 | 14.996 | | |
| 8,700.00 | 7,157.79 | 8,649.24 | 7,235.79 | 33.30 | 31.08 | -94.88 | -552.57 | 1,604.90 | 917.58 | 853.55 | 64.03 | 14.330 | | |
| 8,800.00 | 7,157.67 | 8,749.23 | 7,235.96 | 34.62 | 32.51 | -94.90 | -554.10 | 1,704.88 | 916.35 | 849.51 | 66.84 | 13.709 | | |
| 8,900.00 | 7,157.55 | 8,862.32 | 7,236.16 | 35.97 | 34.15 | -94.93 | -556.44 | 1,817.94 | 914.60 | 844.58 | 70.03 | 13.061 | | |
| 9,000.00 | 7,157.43 | 8,962.28 | 7,236.33 | 37.35 | 35.63 | -94.97 | -559.40 | 1,917.86 | 911.94 | 839.01 | 72.93 | 12.504 | | |
| 9,100.00 | 7,157.32 | 9,062.25 | 7,236.51 | 38.75 | 37.12 | -95.00 | -562.36 | 2,017.78 | 909.28 | 833.41 | 75.87 | 11.984 | | |
| 9,200.00 | 7,157.20 | 9,162.21 | 7,236.68 | 40.17 | 38.63 | -95.03 | -565.33 | 2,117.70 | 906.62 | 827.77 | 78.84 | 11.499 | | |
| 9,300.00 | 7,157.08 | 9,262.17 | 7,236.86 | 41.61 | 40.15 | -95.07 | -568.29 | 2,217.62 | 903.96 | 822.11 | 81.84 | 11.045 | | |
| 9,400.00 | 7,156.96 | 9,362.14 | 7,237.03 | 43.07 | 41.69 | -95.10 | -571.25 | 2,317.53 | 901.29 | 816.43 | 84.87 | 10.620 | | |
| 9,500.00 | 7,156.84 | 9,462.10 | 7,237.20 | 44.55 | 43.23 | -95.13 | -574.22 | 2,417.45 | 898.63 | 810.72 | 87.91 | 10.222 | | |
| 9,600.00 | 7,156.72 | 9,562.06 | 7,237.38 | 46.03 | 44.78 | -95.17 | -577.18 | 2,517.37 | 895.97 | 804.99 | 90.98 | 9.848 | | |
| 9,700.00 | 7,156.60 | 9,662.02 | 7,237.55 | 47.53 | 46.34 | -95.20 | -580.14 | 2,617.29 | 893.31 | 799.25 | 94.07 | 9.497 | | |
| 9,800.00 | 7,156.48 | 9,761.99 | 7,237.72 | 49.04 | 47.91 | -95.24 | -583.11 | 2,717.21 | 890.65 | 793.49 | 97.17 | 9.166 | | |
| 9,900.00 | 7,156.37 | 9,861.95 | 7,237.90 | 50.57 | 49.49 | -95.27 | -586.07 | 2,817.13 | 887.99 | 787.71 | 100.28 | 8.855 | | |
| 10,000.00 | 7,156.25 | 9,961.91 | 7,238.07 | 52.10 | 51.07 | -95.31 | -589.03 | 2,917.05 | 885.33 | 781.92 | 103.41 | 8.561 | | |
| 10,100.00 | 7,156.13 | 10,061.88 | 7,238.25 | 53.64 | 52.66 | -95.34 | -591.99 | 3,016.97 | 882.68 | 776.12 | 106.55 | 8.284 | | |
| 10,200.00 | 7,156.01 | 10,161.84 | 7,238.42 | 55.18 | 54.25 | -95.38 | -594.96 | 3,116.89 | 880.02 | 770.31 | 109.71 | 8.022 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 10,300.00 | 7,155.89 | 10,261.80 | 7,238.59 | 56.74 | 55.85 | -95.41 | -597.92 | 3,216.81 | 877.36 | 764.49 | 112.87 | 7.773 | | |
| 10,400.00 | 7,155.77 | 10,361.77 | 7,238.77 | 58.30 | 57.45 | -95.45 | -600.88 | 3,316.73 | 874.70 | 758.66 | 116.04 | 7.538 | | |
| 10,500.00 | 7,155.65 | 10,461.73 | 7,238.94 | 59.86 | 59.05 | -95.48 | -603.85 | 3,416.64 | 872.04 | 752.82 | 119.22 | 7.315 | | |
| 10,600.00 | 7,155.54 | 10,561.69 | 7,239.11 | 61.44 | 60.66 | -95.52 | -606.81 | 3,516.56 | 869.39 | 746.98 | 122.41 | 7.102 | | |
| 10,700.00 | 7,155.42 | 10,661.66 | 7,239.29 | 63.01 | 62.28 | -95.56 | -609.77 | 3,616.48 | 866.73 | 741.13 | 125.60 | 6.901 | | |
| 10,800.00 | 7,155.30 | 10,761.62 | 7,239.46 | 64.59 | 63.89 | -95.59 | -612.74 | 3,716.40 | 864.07 | 735.27 | 128.80 | 6.708 | | |
| 10,900.00 | 7,155.18 | 10,861.58 | 7,239.64 | 66.18 | 65.51 | -95.63 | -615.70 | 3,816.32 | 861.42 | 729.41 | 132.01 | 6.525 | | |
| 11,000.00 | 7,155.06 | 10,961.55 | 7,239.81 | 67.77 | 67.13 | -95.67 | -618.66 | 3,916.24 | 858.76 | 723.54 | 135.22 | 6.351 | | |
| 11,100.00 | 7,154.94 | 11,047.85 | 7,239.96 | 69.37 | 68.53 | -95.70 | -620.85 | 4,002.51 | 856.58 | 718.54 | 138.04 | 6.205 | | |
| 11,139.61 | 7,154.89 | 11,078.38 | 7,240.01 | 70.00 | 69.03 | -95.70 | -621.11 | 4,033.04 | 856.37 | 717.33 | 139.04 | 6.159 | | |
| 11,200.00 | 7,154.82 | 11,137.23 | 7,240.12 | 70.96 | 69.98 | -95.72 | -621.18 | 4,091.90 | 856.47 | 715.54 | 140.94 | 6.077 | | |
| 11,300.00 | 7,154.70 | 11,237.23 | 7,240.29 | 72.57 | 71.61 | -95.73 | -621.29 | 4,191.90 | 856.65 | 712.49 | 144.16 | 5.942 | | |
| 11,400.00 | 7,154.59 | 11,337.23 | 7,240.46 | 74.17 | 73.23 | -95.75 | -621.41 | 4,291.89 | 856.83 | 709.44 | 147.39 | 5.813 | | |
| 11,500.00 | 7,154.47 | 11,437.23 | 7,240.64 | 75.78 | 74.86 | -95.77 | -621.53 | 4,391.89 | 857.01 | 706.39 | 150.63 | 5.690 | | |
| 11,600.00 | 7,154.35 | 11,537.23 | 7,240.81 | 77.39 | 76.49 | -95.79 | -621.64 | 4,491.89 | 857.19 | 703.33 | 153.86 | 5.571 | | |
| 11,700.00 | 7,154.23 | 11,637.23 | 7,240.99 | 79.00 | 78.12 | -95.81 | -621.76 | 4,591.89 | 857.37 | 700.26 | 157.11 | 5.457 | | |
| 11,800.00 | 7,154.11 | 11,737.23 | 7,241.16 | 80.61 | 79.75 | -95.83 | -621.87 | 4,691.89 | 857.55 | 697.20 | 160.35 | 5.348 | | |
| 11,900.00 | 7,153.99 | 11,837.23 | 7,241.34 | 82.23 | 81.39 | -95.84 | -621.99 | 4,791.89 | 857.73 | 694.13 | 163.60 | 5.243 | | |
| 12,000.00 | 7,153.87 | 11,937.23 | 7,241.51 | 83.85 | 83.02 | -95.86 | -622.11 | 4,891.89 | 857.91 | 691.06 | 166.85 | 5.142 | | |
| 12,100.00 | 7,153.76 | 12,037.23 | 7,241.68 | 85.47 | 84.66 | -95.88 | -622.22 | 4,991.89 | 858.09 | 687.98 | 170.10 | 5.044 | | |
| 12,200.00 | 7,153.64 | 12,137.23 | 7,241.86 | 87.10 | 86.30 | -95.90 | -622.34 | 5,091.89 | 858.27 | 684.91 | 173.36 | 4.951 | | |
| 12,300.00 | 7,153.52 | 12,237.23 | 7,242.03 | 88.72 | 87.94 | -95.92 | -622.46 | 5,191.89 | 858.45 | 681.83 | 176.62 | 4.860 | | |
| 12,400.00 | 7,153.40 | 12,337.23 | 7,242.21 | 90.35 | 89.58 | -95.94 | -622.57 | 5,291.89 | 858.63 | 678.75 | 179.88 | 4.773 | | |
| 12,500.00 | 7,153.28 | 12,437.23 | 7,242.38 | 91.98 | 91.22 | -95.95 | -622.69 | 5,391.89 | 858.81 | 675.66 | 183.14 | 4.689 | | |
| 12,600.00 | 7,153.16 | 12,537.23 | 7,242.56 | 93.61 | 92.86 | -95.97 | -622.80 | 5,491.89 | 858.99 | 672.58 | 186.41 | 4.608 | | |
| 12,700.00 | 7,153.04 | 12,637.22 | 7,242.73 | 95.24 | 94.51 | -95.99 | -622.92 | 5,591.89 | 859.17 | 669.49 | 189.68 | 4.530 | | |
| 12,800.00 | 7,152.92 | 12,737.22 | 7,242.90 | 96.87 | 96.15 | -96.01 | -623.04 | 5,691.88 | 859.35 | 666.40 | 192.95 | 4.454 | | |
| 12,900.00 | 7,152.81 | 12,837.22 | 7,243.08 | 98.50 | 97.80 | -96.03 | -623.15 | 5,791.88 | 859.53 | 663.31 | 196.22 | 4.381 | | |
| 13,000.00 | 7,152.69 | 12,937.22 | 7,243.25 | 100.14 | 99.45 | -96.05 | -623.27 | 5,891.88 | 859.71 | 660.22 | 199.49 | 4.310 | | |
| 13,100.00 | 7,152.57 | 13,037.22 | 7,243.43 | 101.78 | 101.09 | -96.07 | -623.38 | 5,991.88 | 859.89 | 657.13 | 202.76 | 4.241 | | |
| 13,200.00 | 7,152.45 | 13,137.22 | 7,243.60 | 103.41 | 102.74 | -96.08 | -623.50 | 6,091.88 | 860.07 | 654.03 | 206.04 | 4.174 | | |
| 13,300.00 | 7,152.33 | 13,237.22 | 7,243.77 | 105.05 | 104.39 | -96.10 | -623.62 | 6,191.88 | 860.25 | 650.94 | 209.32 | 4.110 | | |
| 13,400.00 | 7,152.21 | 13,337.22 | 7,243.95 | 106.69 | 106.04 | -96.12 | -623.73 | 6,291.88 | 860.43 | 647.84 | 212.59 | 4.047 | | |
| 13,500.00 | 7,152.09 | 13,437.22 | 7,244.12 | 108.33 | 107.69 | -96.14 | -623.85 | 6,391.88 | 860.62 | 644.74 | 215.87 | 3.987 | | |
| 13,600.00 | 7,151.98 | 13,537.22 | 7,244.30 | 109.98 | 109.34 | -96.16 | -623.96 | 6,491.88 | 860.80 | 641.64 | 219.15 | 3.928 | | |
| 13,700.00 | 7,151.86 | 13,637.22 | 7,244.47 | 111.62 | 111.00 | -96.18 | -624.08 | 6,591.88 | 860.98 | 638.54 | 222.44 | 3.871 | | |
| 13,800.00 | 7,151.74 | 13,737.22 | 7,244.65 | 113.26 | 112.65 | -96.19 | -624.20 | 6,691.88 | 861.16 | 635.44 | 225.72 | 3.815 | | |
| 13,900.00 | 7,151.62 | 13,837.22 | 7,244.82 | 114.91 | 114.30 | -96.21 | -624.31 | 6,791.88 | 861.34 | 632.34 | 229.00 | 3.761 | | |
| 14,000.00 | 7,151.50 | 13,937.22 | 7,244.99 | 116.55 | 115.96 | -96.23 | -624.43 | 6,891.88 | 861.52 | 629.24 | 232.29 | 3.709 | | |
| 14,100.00 | 7,151.38 | 14,037.22 | 7,245.17 | 118.20 | 117.61 | -96.25 | -624.54 | 6,991.87 | 861.70 | 626.13 | 235.57 | 3.658 | | |
| 14,200.00 | 7,151.26 | 14,137.22 | 7,245.34 | 119.84 | 119.26 | -96.27 | -624.66 | 7,091.87 | 861.89 | 623.03 | 238.86 | 3.608 | | |
| 14,300.00 | 7,151.14 | 14,237.22 | 7,245.52 | 121.49 | 120.92 | -96.28 | -624.78 | 7,191.87 | 862.07 | 619.92 | 242.14 | 3.560 | | |
| 14,400.00 | 7,151.03 | 14,337.22 | 7,245.69 | 123.14 | 122.57 | -96.30 | -624.89 | 7,291.87 | 862.25 | 616.82 | 245.43 | 3.513 | | |
| 14,500.00 | 7,150.91 | 14,437.22 | 7,245.87 | 124.79 | 124.23 | -96.32 | -625.01 | 7,391.87 | 862.43 | 613.71 | 248.72 | 3.467 | | |
| 14,600.00 | 7,150.79 | 14,537.21 | 7,246.04 | 126.44 | 125.89 | -96.34 | -625.12 | 7,491.87 | 862.61 | 610.60 | 252.01 | 3.423 | | |
| 14,700.00 | 7,150.67 | 14,637.21 | 7,246.21 | 128.09 | 127.54 | -96.36 | -625.24 | 7,591.87 | 862.79 | 607.49 | 255.30 | 3.380 | | |
| 14,800.00 | 7,150.55 | 14,737.21 | 7,246.39 | 129.74 | 129.20 | -96.38 | -625.36 | 7,691.87 | 862.98 | 604.39 | 258.59 | 3.337 | | |
| 14,900.00 | 7,150.43 | 14,837.21 | 7,246.56 | 131.39 | 130.86 | -96.39 | -625.47 | 7,791.87 | 863.16 | 601.28 | 261.88 | 3.296 | | |
| 15,000.00 | 7,150.31 | 14,937.21 | 7,246.74 | 133.04 | 132.52 | -96.41 | -625.59 | 7,891.87 | 863.34 | 598.17 | 265.17 | 3.256 | | |
| 15,100.00 | 7,150.20 | 15,037.21 | 7,246.91 | 134.69 | 134.17 | -96.43 | -625.71 | 7,991.87 | 863.52 | 595.06 | 268.47 | 3.217 | | |
| 15,200.00 | 7,150.08 | 15,137.21 | 7,247.09 | 136.34 | 135.83 | -96.45 | -625.82 | 8,091.87 | 863.71 | 591.95 | 271.76 | 3.178 | | |
| 15,300.00 | 7,149.96 | 15,237.21 | 7,247.26 | 138.00 | 137.49 | -96.47 | -625.94 | 8,191.87 | 863.89 | 588.84 | 275.05 | 3.141 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: 0.00 usft | |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: 3.28 usft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 15,400.00 | 7,149.84 | 15,337.21 | 7,247.43 | 139.65 | 139.15 | -96.49 | -626.05 | 8,291.86 | 864.07 | 585.73 | 278.34 | 3.104 | | |
| 15,500.00 | 7,149.72 | 15,437.21 | 7,247.61 | 141.30 | 140.81 | -96.50 | -626.17 | 8,391.86 | 864.25 | 582.62 | 281.64 | 3.069 | | |
| 15,600.00 | 7,149.60 | 15,537.21 | 7,247.78 | 142.96 | 142.47 | -96.52 | -626.29 | 8,491.86 | 864.44 | 579.50 | 284.93 | 3.034 | | |
| 15,700.00 | 7,149.48 | 15,637.21 | 7,247.96 | 144.61 | 144.13 | -96.54 | -626.40 | 8,591.86 | 864.62 | 576.39 | 288.23 | 3.000 | | |
| 15,800.00 | 7,149.36 | 15,737.21 | 7,248.13 | 146.27 | 145.79 | -96.56 | -626.52 | 8,691.86 | 864.80 | 573.28 | 291.52 | 2.967 | | |
| 15,900.00 | 7,149.25 | 15,837.21 | 7,248.31 | 147.92 | 147.45 | -96.58 | -626.63 | 8,791.86 | 864.99 | 570.17 | 294.82 | 2.934 | | |
| 16,000.00 | 7,149.13 | 15,937.21 | 7,248.48 | 149.58 | 149.11 | -96.59 | -626.75 | 8,891.86 | 865.17 | 567.06 | 298.11 | 2.902 | | |
| 16,100.00 | 7,149.01 | 16,037.21 | 7,248.65 | 151.23 | 150.77 | -96.61 | -626.87 | 8,991.86 | 865.35 | 563.94 | 301.41 | 2.871 | | |
| 16,200.00 | 7,148.89 | 16,137.21 | 7,248.83 | 152.89 | 152.43 | -96.63 | -626.98 | 9,091.86 | 865.54 | 560.83 | 304.71 | 2.841 | | |
| 16,300.00 | 7,148.77 | 16,237.21 | 7,249.00 | 154.55 | 154.10 | -96.65 | -627.10 | 9,191.86 | 865.72 | 557.72 | 308.00 | 2.811 | | |
| 16,400.00 | 7,148.65 | 16,337.20 | 7,249.18 | 156.20 | 155.76 | -96.67 | -627.21 | 9,291.86 | 865.90 | 554.60 | 311.30 | 2.782 | | |
| 16,500.00 | 7,148.53 | 16,437.20 | 7,249.35 | 157.86 | 157.42 | -96.68 | -627.33 | 9,391.86 | 866.09 | 551.49 | 314.60 | 2.753 | | |
| 16,600.00 | 7,148.42 | 16,537.20 | 7,249.53 | 159.52 | 159.08 | -96.70 | -627.45 | 9,491.86 | 866.27 | 548.38 | 317.90 | 2.725 | | |
| 16,700.00 | 7,148.30 | 16,637.20 | 7,249.70 | 161.18 | 160.74 | -96.72 | -627.56 | 9,591.85 | 866.46 | 545.26 | 321.19 | 2.698 | | |
| 16,800.00 | 7,148.18 | 16,737.20 | 7,249.87 | 162.83 | 162.41 | -96.74 | -627.68 | 9,691.85 | 866.64 | 542.15 | 324.49 | 2.671 | | |
| 16,900.00 | 7,148.06 | 16,837.20 | 7,250.05 | 164.49 | 164.07 | -96.76 | -627.79 | 9,791.85 | 866.82 | 539.03 | 327.79 | 2.644 | | |
| 17,000.00 | 7,147.94 | 16,937.20 | 7,250.22 | 166.15 | 165.73 | -96.77 | -627.91 | 9,891.85 | 867.01 | 535.92 | 331.09 | 2.619 | | |
| 17,100.00 | 7,147.82 | 17,037.20 | 7,250.40 | 167.81 | 167.40 | -96.79 | -628.03 | 9,991.85 | 867.19 | 532.81 | 334.39 | 2.593 | | |
| 17,200.00 | 7,147.70 | 17,137.20 | 7,250.57 | 169.47 | 169.06 | -96.81 | -628.14 | 10,091.85 | 867.38 | 529.69 | 337.68 | 2.569 | | |
| 17,300.00 | 7,147.58 | 17,237.20 | 7,250.74 | 171.13 | 170.72 | -96.83 | -628.26 | 10,191.85 | 867.56 | 526.58 | 340.98 | 2.544 | | |
| 17,400.00 | 7,147.47 | 17,337.20 | 7,250.92 | 172.79 | 172.39 | -96.85 | -628.37 | 10,291.85 | 867.74 | 523.46 | 344.28 | 2.520 | | |
| 17,500.00 | 7,147.35 | 17,437.20 | 7,251.09 | 174.45 | 174.05 | -96.87 | -628.49 | 10,391.85 | 867.93 | 520.35 | 347.58 | 2.497 | | |
| 17,600.00 | 7,147.23 | 17,537.20 | 7,251.27 | 176.11 | 175.71 | -96.88 | -628.61 | 10,491.85 | 868.11 | 517.23 | 350.88 | 2.474 | | |
| 17,700.00 | 7,147.11 | 17,637.20 | 7,251.44 | 177.77 | 177.38 | -96.90 | -628.72 | 10,591.85 | 868.30 | 514.12 | 354.18 | 2.452 | | |
| 17,800.00 | 7,146.99 | 17,737.20 | 7,251.62 | 179.43 | 179.04 | -96.92 | -628.84 | 10,691.85 | 868.48 | 511.01 | 357.48 | 2.429 | | |
| 17,900.00 | 7,146.87 | 17,837.20 | 7,251.79 | 181.09 | 180.71 | -96.94 | -628.96 | 10,791.85 | 868.67 | 507.89 | 360.78 | 2.408 | | |
| 18,000.00 | 7,146.75 | 17,937.20 | 7,251.96 | 182.75 | 182.37 | -96.95 | -629.07 | 10,891.84 | 868.85 | 504.78 | 364.08 | 2.386 | | |
| 18,100.00 | 7,146.64 | 18,037.20 | 7,252.14 | 184.41 | 184.04 | -96.97 | -629.19 | 10,991.84 | 869.04 | 501.66 | 367.37 | 2.366 | | |
| 18,200.00 | 7,146.52 | 18,137.20 | 7,252.31 | 186.08 | 185.70 | -96.99 | -629.30 | 11,091.84 | 869.22 | 498.55 | 370.67 | 2.345 | | |
| 18,300.00 | 7,146.40 | 18,237.19 | 7,252.49 | 187.74 | 187.37 | -97.01 | -629.42 | 11,191.84 | 869.41 | 495.43 | 373.97 | 2.325 | | |
| 18,400.00 | 7,146.28 | 18,337.19 | 7,252.66 | 189.40 | 189.03 | -97.03 | -629.54 | 11,291.84 | 869.59 | 492.32 | 377.27 | 2.305 | | |
| 18,500.00 | 7,146.16 | 18,437.19 | 7,252.84 | 191.06 | 190.70 | -97.04 | -629.65 | 11,391.84 | 869.78 | 489.21 | 380.57 | 2.285 | | |
| 18,600.00 | 7,146.04 | 18,537.19 | 7,253.01 | 192.72 | 192.36 | -97.06 | -629.77 | 11,491.84 | 869.96 | 486.09 | 383.87 | 2.266 | | |
| 18,700.00 | 7,145.92 | 18,637.19 | 7,253.18 | 194.39 | 194.03 | -97.08 | -629.88 | 11,591.84 | 870.15 | 482.98 | 387.17 | 2.247 | | |
| 18,800.00 | 7,145.80 | 18,737.19 | 7,253.36 | 196.05 | 195.69 | -97.10 | -630.00 | 11,691.84 | 870.34 | 479.86 | 390.47 | 2.229 | | |
| 18,900.00 | 7,145.69 | 18,837.19 | 7,253.53 | 197.71 | 197.36 | -97.12 | -630.12 | 11,791.84 | 870.52 | 476.75 | 393.77 | 2.211 | | |
| 19,000.00 | 7,145.57 | 18,937.19 | 7,253.71 | 199.37 | 199.02 | -97.13 | -630.23 | 11,891.84 | 870.71 | 473.64 | 397.07 | 2.193 | | |
| 19,100.00 | 7,145.45 | 19,037.19 | 7,253.88 | 201.04 | 200.69 | -97.15 | -630.35 | 11,991.84 | 870.89 | 470.52 | 400.37 | 2.175 | | |
| 19,200.00 | 7,145.33 | 19,137.19 | 7,254.06 | 202.70 | 202.36 | -97.17 | -630.46 | 12,091.84 | 871.08 | 467.41 | 403.67 | 2.158 | | |
| 19,300.00 | 7,145.21 | 19,237.19 | 7,254.23 | 204.36 | 204.02 | -97.19 | -630.58 | 12,191.83 | 871.26 | 464.30 | 406.97 | 2.141 | | |
| 19,400.00 | 7,145.09 | 19,337.19 | 7,254.40 | 206.03 | 205.69 | -97.21 | -630.70 | 12,291.83 | 871.45 | 461.18 | 410.27 | 2.124 | | |
| 19,500.00 | 7,144.97 | 19,437.19 | 7,254.58 | 207.69 | 207.35 | -97.22 | -630.81 | 12,391.83 | 871.64 | 458.07 | 413.57 | 2.108 | | |
| 19,600.00 | 7,144.86 | 19,537.19 | 7,254.75 | 209.35 | 209.02 | -97.24 | -630.93 | 12,491.83 | 871.82 | 454.96 | 416.87 | 2.091 | | |
| 19,700.00 | 7,144.74 | 19,637.19 | 7,254.93 | 211.02 | 210.69 | -97.26 | -631.04 | 12,591.83 | 872.01 | 451.84 | 420.17 | 2.075 | | |
| 19,800.00 | 7,144.62 | 19,737.19 | 7,255.10 | 212.68 | 212.35 | -97.28 | -631.16 | 12,691.83 | 872.20 | 448.73 | 423.47 | 2.060 | | |
| 19,900.00 | 7,144.50 | 19,837.19 | 7,255.28 | 214.35 | 214.02 | -97.30 | -631.28 | 12,791.83 | 872.38 | 445.62 | 426.77 | 2.044 | | |
| 20,000.00 | 7,144.38 | 19,937.19 | 7,255.45 | 216.01 | 215.69 | -97.31 | -631.39 | 12,891.83 | 872.57 | 442.51 | 430.06 | 2.029 | | |
| 20,100.00 | 7,144.26 | 20,037.18 | 7,255.62 | 217.67 | 217.35 | -97.33 | -631.51 | 12,991.83 | 872.76 | 439.39 | 433.36 | 2.014 | | |
| 20,200.00 | 7,144.14 | 20,137.18 | 7,255.80 | 219.34 | 219.02 | -97.35 | -631.62 | 13,091.83 | 872.94 | 436.28 | 436.66 | 1.999 | | |
| 20,300.00 | 7,144.02 | 20,237.18 | 7,255.97 | 221.00 | 220.69 | -97.37 | -631.74 | 13,191.83 | 873.13 | 433.17 | 439.96 | 1.985 | | |
| 20,320.42 | 7,144.00 | 20,257.60 | 7,256.01 | 221.34 | 221.03 | -97.37 | -631.76 | 13,212.25 | 873.17 | 432.53 | 440.64 | 1.982 SF | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4C-30-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 46.65 | 140.98 | 149.33 | 205.37 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 46.65 | 140.98 | 149.33 | 205.37 | 197.84 | 7.53 | 27.277 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 46.65 | 140.98 | 149.33 | 205.37 | 197.80 | 7.57 | 27.117 CC, ES | |
| 300.00 | 299.98 | 295.69 | 295.67 | 3.34 | 3.34 | -136.11 | 140.48 | 150.85 | 207.42 | 199.76 | 7.65 | 27.104 SF | |
| 400.00 | 399.84 | 392.10 | 391.96 | 3.40 | 3.41 | -135.82 | 138.97 | 155.45 | 213.59 | 205.82 | 7.77 | 27.489 | |
| 500.00 | 499.45 | 488.03 | 487.54 | 3.49 | 3.49 | -135.36 | 136.46 | 163.08 | 223.86 | 215.93 | 7.94 | 28.208 | |
| 600.00 | 598.70 | 583.93 | 582.79 | 3.60 | 3.60 | -134.78 | 132.98 | 173.69 | 238.19 | 230.04 | 8.16 | 29.206 | |
| 700.00 | 697.47 | 682.42 | 680.47 | 3.75 | 3.73 | -134.54 | 129.06 | 185.61 | 255.50 | 247.06 | 8.44 | 30.284 | |
| 800.00 | 795.62 | 780.42 | 777.68 | 3.95 | 3.90 | -134.79 | 125.16 | 197.47 | 275.22 | 266.44 | 8.77 | 31.374 | |
| 900.00 | 893.30 | 878.02 | 874.48 | 4.18 | 4.08 | -135.52 | 121.27 | 209.28 | 296.63 | 287.48 | 9.15 | 32.402 | |
| 1,000.00 | 990.96 | 975.61 | 971.28 | 4.45 | 4.28 | -136.21 | 117.39 | 221.09 | 318.15 | 308.58 | 9.57 | 33.241 | |
| 1,100.00 | 1,088.62 | 1,073.20 | 1,068.07 | 4.74 | 4.50 | -136.82 | 113.51 | 232.90 | 339.71 | 329.69 | 10.02 | 33.897 | |
| 1,200.00 | 1,186.28 | 1,170.79 | 1,164.87 | 5.05 | 4.73 | -137.36 | 109.62 | 244.72 | 361.30 | 350.79 | 10.50 | 34.402 | |
| 1,300.00 | 1,283.94 | 1,268.38 | 1,261.66 | 5.38 | 4.97 | -137.83 | 105.74 | 256.53 | 382.91 | 371.90 | 11.01 | 34.785 | |
| 1,400.00 | 1,381.60 | 1,365.97 | 1,358.45 | 5.73 | 5.22 | -138.26 | 101.86 | 268.34 | 404.55 | 393.02 | 11.54 | 35.071 | |
| 1,500.00 | 1,479.26 | 1,463.56 | 1,455.25 | 6.08 | 5.48 | -138.64 | 97.97 | 280.15 | 426.21 | 414.13 | 12.08 | 35.280 | |
| 1,600.00 | 1,576.92 | 1,561.15 | 1,552.04 | 6.45 | 5.75 | -138.99 | 94.09 | 291.96 | 447.88 | 435.24 | 12.64 | 35.427 | |
| 1,700.00 | 1,674.58 | 1,658.73 | 1,648.83 | 6.82 | 6.03 | -139.30 | 90.21 | 303.78 | 469.57 | 456.35 | 13.22 | 35.527 | |
| 1,800.00 | 1,772.24 | 1,756.32 | 1,745.63 | 7.21 | 6.31 | -139.59 | 86.32 | 315.59 | 491.27 | 477.47 | 13.80 | 35.589 | |
| 1,900.00 | 1,869.90 | 1,853.91 | 1,842.42 | 7.42 | 6.52 | -139.85 | 82.44 | 327.40 | 512.98 | 499.17 | 13.81 | 37.154 | |
| 2,000.00 | 1,967.56 | 1,951.50 | 1,939.22 | 7.47 | 6.61 | -140.09 | 78.56 | 339.21 | 534.70 | 520.78 | 13.92 | 38.404 | |
| 2,100.00 | 2,065.22 | 2,049.09 | 2,036.01 | 7.54 | 6.64 | -140.31 | 74.67 | 351.02 | 556.43 | 542.42 | 14.01 | 39.727 | |
| 2,200.00 | 2,162.88 | 2,146.68 | 2,132.80 | 7.63 | 6.69 | -140.51 | 70.79 | 362.84 | 578.16 | 564.04 | 14.12 | 40.945 | |
| 2,300.00 | 2,260.54 | 2,244.27 | 2,229.60 | 7.74 | 6.75 | -140.70 | 66.91 | 374.65 | 599.91 | 585.64 | 14.27 | 42.054 | |
| 2,400.00 | 2,358.20 | 2,341.86 | 2,326.39 | 7.87 | 6.83 | -140.88 | 63.02 | 386.46 | 621.65 | 607.22 | 14.44 | 43.053 | |
| 2,500.00 | 2,455.85 | 2,439.45 | 2,423.18 | 8.01 | 6.92 | -141.04 | 59.14 | 398.27 | 643.41 | 628.77 | 14.64 | 43.944 | |
| 2,600.00 | 2,553.51 | 2,537.04 | 2,519.98 | 8.17 | 7.02 | -141.20 | 55.25 | 410.08 | 665.17 | 650.30 | 14.87 | 44.730 | |
| 2,700.00 | 2,651.17 | 2,634.63 | 2,616.77 | 8.34 | 7.14 | -141.34 | 51.37 | 421.90 | 686.93 | 671.80 | 15.13 | 45.414 | |
| 2,800.00 | 2,748.83 | 2,732.22 | 2,713.57 | 8.52 | 7.26 | -141.48 | 47.49 | 433.71 | 708.69 | 693.29 | 15.41 | 46.003 | |
| 2,900.00 | 2,846.49 | 2,829.81 | 2,810.36 | 8.72 | 7.40 | -141.60 | 43.60 | 445.52 | 730.46 | 714.76 | 15.71 | 46.503 | |
| 3,000.00 | 2,944.15 | 2,927.39 | 2,907.15 | 8.93 | 7.54 | -141.72 | 39.72 | 457.33 | 752.24 | 736.21 | 16.03 | 46.921 | |
| 3,100.00 | 3,041.81 | 3,024.98 | 3,003.95 | 9.16 | 7.70 | -141.84 | 35.84 | 469.14 | 774.01 | 757.64 | 16.38 | 47.264 | |
| 3,200.00 | 3,139.47 | 3,122.57 | 3,100.74 | 9.39 | 7.86 | -141.94 | 31.95 | 480.95 | 795.79 | 779.05 | 16.74 | 47.538 | |
| 3,300.00 | 3,237.13 | 3,220.16 | 3,197.54 | 9.63 | 8.03 | -142.05 | 28.07 | 492.77 | 817.57 | 800.45 | 17.12 | 47.752 | |
| 3,400.00 | 3,334.79 | 3,317.75 | 3,294.33 | 9.88 | 8.21 | -142.14 | 24.19 | 504.58 | 839.36 | 821.84 | 17.52 | 47.911 | |
| 3,500.00 | 3,432.45 | 3,415.34 | 3,391.12 | 10.14 | 8.40 | -142.23 | 20.30 | 516.39 | 861.14 | 843.21 | 17.93 | 48.022 | |
| 3,600.00 | 3,530.11 | 3,512.93 | 3,487.92 | 10.41 | 8.60 | -142.32 | 16.42 | 528.20 | 882.93 | 864.57 | 18.36 | 48.090 | |
| 3,700.00 | 3,627.77 | 3,610.52 | 3,584.71 | 10.68 | 8.80 | -142.40 | 12.54 | 540.01 | 904.72 | 885.92 | 18.80 | 48.121 | |
| 3,800.00 | 3,725.43 | 3,708.11 | 3,681.50 | 10.96 | 9.01 | -142.48 | 8.65 | 551.83 | 926.51 | 907.26 | 19.25 | 48.120 | |
| 3,900.00 | 3,823.09 | 3,805.70 | 3,778.30 | 11.25 | 9.22 | -142.56 | 4.77 | 563.64 | 948.30 | 928.58 | 19.72 | 48.091 | |
| 4,000.00 | 3,920.75 | 3,903.29 | 3,875.09 | 11.54 | 9.44 | -142.63 | 0.89 | 575.45 | 970.10 | 949.90 | 20.19 | 48.037 | |
| 4,100.00 | 4,018.41 | 4,000.88 | 3,971.89 | 11.84 | 9.66 | -142.70 | -3.00 | 587.26 | 991.89 | 971.21 | 20.68 | 47.963 | |
| 4,200.00 | 4,116.07 | 4,101.54 | 4,068.68 | 12.14 | 9.90 | -142.76 | -6.88 | 599.07 | 1,013.69 | 992.51 | 21.18 | 47.856 | |
| 4,300.00 | 4,213.73 | 4,196.05 | 4,165.47 | 12.45 | 10.12 | -142.82 | -10.76 | 610.89 | 1,035.49 | 1,013.81 | 21.68 | 47.766 | |
| 4,400.00 | 4,311.39 | 4,306.36 | 4,262.27 | 12.76 | 10.39 | -142.88 | -14.65 | 622.70 | 1,057.29 | 1,035.06 | 22.22 | 47.581 | |
| 4,500.00 | 4,409.05 | 4,408.77 | 4,359.06 | 13.08 | 10.64 | -142.94 | -18.53 | 634.51 | 1,079.09 | 1,056.33 | 22.75 | 47.428 | |
| 4,600.00 | 4,506.71 | 4,488.82 | 4,455.86 | 13.40 | 10.84 | -143.00 | -22.41 | 646.32 | 1,100.89 | 1,077.65 | 23.23 | 47.381 | |
| 4,700.00 | 4,604.37 | 4,586.41 | 4,552.65 | 13.72 | 11.09 | -143.05 | -26.30 | 658.13 | 1,122.69 | 1,098.92 | 23.77 | 47.237 | |
| 4,800.00 | 4,702.03 | 4,684.00 | 4,649.44 | 14.04 | 11.33 | -143.10 | -30.18 | 669.94 | 1,144.49 | 1,120.19 | 24.31 | 47.088 | |
| 4,900.00 | 4,799.69 | 4,781.59 | 4,746.24 | 14.37 | 11.59 | -143.15 | -34.07 | 681.76 | 1,166.30 | 1,141.45 | 24.85 | 46.935 | |
| 5,000.00 | 4,897.35 | 4,879.18 | 4,843.03 | 14.70 | 11.84 | -143.20 | -37.95 | 693.57 | 1,188.10 | 1,162.70 | 25.40 | 46.778 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30A-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|------------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 51.00 | 120.95 | 149.33 | 192.17 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 51.00 | 120.95 | 149.33 | 192.17 | 184.64 | 7.53 | 25.524 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 51.00 | 120.95 | 149.33 | 192.17 | 184.60 | 7.57 | 25.374 | CC, ES, SF |
| 300.00 | 299.98 | 295.66 | 295.64 | 3.34 | 3.34 | -131.79 | 120.40 | 150.84 | 194.19 | 186.53 | 7.65 | 25.376 | |
| 400.00 | 399.84 | 392.04 | 391.90 | 3.40 | 3.40 | -131.59 | 118.75 | 155.38 | 200.26 | 192.49 | 7.77 | 25.778 | |
| 500.00 | 499.45 | 487.96 | 487.48 | 3.49 | 3.49 | -131.27 | 116.00 | 162.92 | 210.38 | 202.44 | 7.93 | 26.515 | |
| 600.00 | 598.70 | 583.19 | 582.05 | 3.60 | 3.59 | -130.85 | 112.20 | 173.38 | 224.50 | 216.35 | 8.15 | 27.537 | |
| 700.00 | 697.47 | 681.39 | 679.34 | 3.75 | 3.73 | -130.66 | 107.64 | 185.90 | 241.86 | 233.42 | 8.43 | 28.673 | |
| 800.00 | 795.62 | 779.40 | 776.44 | 3.95 | 3.90 | -131.00 | 103.09 | 198.40 | 261.47 | 252.69 | 8.78 | 29.796 | |
| 900.00 | 893.30 | 877.03 | 873.17 | 4.18 | 4.09 | -131.87 | 98.56 | 210.85 | 282.68 | 273.51 | 9.16 | 30.844 | |
| 1,000.00 | 990.96 | 974.65 | 969.88 | 4.45 | 4.30 | -132.68 | 94.03 | 223.30 | 304.00 | 294.41 | 9.59 | 31.700 | |
| 1,100.00 | 1,088.62 | 1,072.26 | 1,066.60 | 4.74 | 4.52 | -133.38 | 89.50 | 235.75 | 325.36 | 315.31 | 10.05 | 32.373 | |
| 1,200.00 | 1,186.28 | 1,169.88 | 1,163.31 | 5.05 | 4.76 | -134.00 | 84.97 | 248.19 | 346.78 | 336.23 | 10.54 | 32.896 | |
| 1,300.00 | 1,283.94 | 1,267.50 | 1,260.03 | 5.38 | 5.01 | -134.54 | 80.44 | 260.64 | 368.22 | 357.16 | 11.06 | 33.298 | |
| 1,400.00 | 1,381.60 | 1,365.11 | 1,356.74 | 5.73 | 5.26 | -135.03 | 75.91 | 273.09 | 389.69 | 378.10 | 11.60 | 33.604 | |
| 1,500.00 | 1,479.26 | 1,462.73 | 1,453.45 | 6.08 | 5.53 | -135.46 | 71.38 | 285.54 | 411.19 | 399.04 | 12.15 | 33.831 | |
| 1,600.00 | 1,576.92 | 1,560.35 | 1,550.17 | 6.45 | 5.81 | -135.86 | 66.84 | 297.99 | 432.71 | 419.98 | 12.73 | 33.997 | |
| 1,700.00 | 1,674.58 | 1,657.96 | 1,646.88 | 6.82 | 6.09 | -136.21 | 62.31 | 310.44 | 454.24 | 440.93 | 13.32 | 34.115 | |
| 1,800.00 | 1,772.24 | 1,755.58 | 1,743.59 | 7.21 | 6.38 | -136.53 | 57.78 | 322.89 | 475.79 | 461.88 | 13.91 | 34.195 | |
| 1,900.00 | 1,869.90 | 1,853.20 | 1,840.31 | 7.42 | 6.60 | -136.83 | 53.25 | 335.34 | 497.36 | 483.43 | 13.93 | 35.713 | |
| 2,000.00 | 1,967.56 | 1,950.82 | 1,937.02 | 7.47 | 6.69 | -137.10 | 48.72 | 347.79 | 518.93 | 504.88 | 14.05 | 36.940 | |
| 2,100.00 | 2,065.22 | 2,048.43 | 2,033.73 | 7.54 | 6.73 | -137.35 | 44.19 | 360.24 | 540.52 | 526.38 | 14.13 | 38.242 | |
| 2,200.00 | 2,162.88 | 2,146.05 | 2,130.45 | 7.63 | 6.78 | -137.58 | 39.66 | 372.69 | 562.11 | 547.86 | 14.25 | 39.441 | |
| 2,300.00 | 2,260.54 | 2,243.67 | 2,227.16 | 7.74 | 6.85 | -137.79 | 35.13 | 385.14 | 583.71 | 569.31 | 14.40 | 40.534 | |
| 2,400.00 | 2,358.20 | 2,341.28 | 2,323.88 | 7.87 | 6.92 | -137.99 | 30.60 | 397.59 | 605.32 | 590.74 | 14.58 | 41.521 | |
| 2,500.00 | 2,455.85 | 2,438.90 | 2,420.59 | 8.01 | 7.02 | -138.17 | 26.07 | 410.03 | 626.94 | 612.15 | 14.79 | 42.402 | |
| 2,600.00 | 2,553.51 | 2,536.52 | 2,517.30 | 8.17 | 7.12 | -138.34 | 21.53 | 422.48 | 648.56 | 633.54 | 15.02 | 43.181 | |
| 2,700.00 | 2,651.17 | 2,634.13 | 2,614.02 | 8.34 | 7.24 | -138.50 | 17.00 | 434.93 | 670.19 | 654.91 | 15.28 | 43.861 | |
| 2,800.00 | 2,748.83 | 2,731.75 | 2,710.73 | 8.52 | 7.37 | -138.65 | 12.47 | 447.38 | 691.82 | 676.25 | 15.56 | 44.449 | |
| 2,900.00 | 2,846.49 | 2,829.37 | 2,807.44 | 8.72 | 7.51 | -138.79 | 7.94 | 459.83 | 713.45 | 697.58 | 15.87 | 44.950 | |
| 3,000.00 | 2,944.15 | 2,926.98 | 2,904.16 | 8.93 | 7.66 | -138.93 | 3.41 | 472.28 | 735.09 | 718.89 | 16.20 | 45.371 | |
| 3,100.00 | 3,041.81 | 3,024.60 | 3,000.87 | 9.16 | 7.81 | -139.05 | -1.12 | 484.73 | 756.73 | 740.18 | 16.55 | 45.718 | |
| 3,200.00 | 3,139.47 | 3,122.22 | 3,097.59 | 9.39 | 7.98 | -139.17 | -5.65 | 497.18 | 778.38 | 761.46 | 16.92 | 46.000 | |
| 3,300.00 | 3,237.13 | 3,219.83 | 3,194.30 | 9.63 | 8.16 | -139.28 | -10.18 | 509.63 | 800.03 | 782.72 | 17.31 | 46.221 | |
| 3,400.00 | 3,334.79 | 3,317.45 | 3,291.01 | 9.88 | 8.34 | -139.39 | -14.71 | 522.08 | 821.68 | 803.97 | 17.71 | 46.390 | |
| 3,500.00 | 3,432.45 | 3,415.07 | 3,387.73 | 10.14 | 8.54 | -139.49 | -19.25 | 534.53 | 843.33 | 825.20 | 18.13 | 46.511 | |
| 3,600.00 | 3,530.11 | 3,512.68 | 3,484.44 | 10.41 | 8.74 | -139.58 | -23.78 | 546.98 | 864.99 | 846.43 | 18.57 | 46.591 | |
| 3,700.00 | 3,627.77 | 3,610.30 | 3,581.15 | 10.68 | 8.94 | -139.68 | -28.31 | 559.42 | 886.65 | 867.64 | 19.01 | 46.634 | |
| 3,800.00 | 3,725.43 | 3,707.92 | 3,677.87 | 10.96 | 9.15 | -139.76 | -32.84 | 571.87 | 908.31 | 888.84 | 19.47 | 46.646 | |
| 3,900.00 | 3,823.09 | 3,805.54 | 3,774.58 | 11.25 | 9.37 | -139.85 | -37.37 | 584.32 | 929.97 | 910.03 | 19.94 | 46.630 | |
| 4,000.00 | 3,920.75 | 3,903.15 | 3,871.30 | 11.54 | 9.59 | -139.92 | -41.90 | 596.77 | 951.64 | 931.21 | 20.43 | 46.590 | |
| 4,100.00 | 4,018.41 | 4,000.77 | 3,968.01 | 11.84 | 9.82 | -140.00 | -46.43 | 609.22 | 973.30 | 952.39 | 20.92 | 46.530 | |
| 4,200.00 | 4,116.07 | 4,101.61 | 4,064.72 | 12.14 | 10.06 | -140.07 | -50.96 | 621.67 | 994.97 | 973.55 | 21.43 | 46.435 | |
| 4,300.00 | 4,213.73 | 4,204.00 | 4,161.44 | 12.45 | 10.31 | -140.14 | -55.49 | 634.12 | 1,016.64 | 994.69 | 21.95 | 46.319 | |
| 4,400.00 | 4,311.39 | 4,306.38 | 4,258.15 | 12.76 | 10.56 | -140.21 | -60.02 | 646.57 | 1,038.31 | 1,015.83 | 22.48 | 46.190 | |
| 4,500.00 | 4,409.05 | 4,408.76 | 4,354.86 | 13.08 | 10.82 | -140.27 | -64.56 | 659.02 | 1,059.98 | 1,036.97 | 23.02 | 46.052 | |
| 4,600.00 | 4,506.71 | 4,488.85 | 4,451.58 | 13.40 | 11.02 | -140.33 | -69.09 | 671.47 | 1,081.66 | 1,058.15 | 23.51 | 46.017 | |
| 4,700.00 | 4,604.37 | 4,586.47 | 4,548.29 | 13.72 | 11.28 | -140.39 | -73.62 | 683.92 | 1,103.33 | 1,079.29 | 24.04 | 45.887 | |
| 4,800.00 | 4,702.03 | 4,684.09 | 4,645.00 | 14.04 | 11.53 | -140.45 | -78.15 | 696.37 | 1,125.01 | 1,100.42 | 24.59 | 45.751 | |
| 4,900.00 | 4,799.69 | 4,781.70 | 4,741.72 | 14.37 | 11.79 | -140.50 | -82.68 | 708.82 | 1,146.68 | 1,121.54 | 25.14 | 45.611 | |
| 5,000.00 | 4,897.35 | 4,879.32 | 4,838.43 | 14.70 | 12.05 | -140.55 | -87.21 | 721.26 | 1,168.36 | 1,142.66 | 25.70 | 45.468 | |
| 5,100.00 | 4,995.01 | 4,976.94 | 4,935.15 | 15.03 | 12.31 | -140.60 | -91.74 | 733.71 | 1,190.04 | 1,163.78 | 26.26 | 45.322 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30B-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|------------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 42.79 | 161.02 | 149.06 | 219.42 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 42.79 | 161.02 | 149.06 | 219.42 | 211.89 | 7.53 | 29.144 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 42.79 | 161.02 | 149.06 | 219.42 | 211.85 | 7.57 | 28.972 | CC, ES, SF |
| 300.00 | 299.98 | 294.27 | 294.26 | 3.34 | 3.34 | -140.00 | 160.96 | 150.61 | 221.81 | 214.16 | 7.65 | 28.985 | |
| 400.00 | 399.84 | 389.18 | 389.04 | 3.40 | 3.41 | -139.81 | 160.75 | 155.29 | 229.02 | 221.25 | 7.77 | 29.476 | |
| 500.00 | 499.45 | 483.43 | 482.97 | 3.49 | 3.49 | -139.51 | 160.41 | 163.05 | 241.01 | 233.08 | 7.93 | 30.377 | |
| 600.00 | 598.70 | 577.65 | 576.56 | 3.60 | 3.59 | -139.12 | 159.94 | 173.84 | 257.71 | 249.56 | 8.15 | 31.627 | |
| 700.00 | 697.47 | 675.62 | 673.75 | 3.75 | 3.73 | -139.01 | 159.40 | 186.14 | 277.73 | 269.30 | 8.42 | 32.970 | |
| 800.00 | 795.62 | 772.98 | 770.35 | 3.95 | 3.89 | -139.29 | 158.87 | 198.37 | 300.33 | 291.58 | 8.75 | 34.324 | |
| 900.00 | 893.30 | 869.87 | 866.46 | 4.18 | 4.07 | -140.00 | 158.34 | 210.53 | 324.75 | 315.63 | 9.12 | 35.611 | |
| 1,000.00 | 990.96 | 966.74 | 962.56 | 4.45 | 4.26 | -140.67 | 157.81 | 222.69 | 349.27 | 339.76 | 9.52 | 36.692 | |
| 1,100.00 | 1,088.62 | 1,063.60 | 1,058.66 | 4.74 | 4.47 | -141.26 | 157.28 | 234.86 | 373.84 | 363.89 | 9.95 | 37.565 | |
| 1,200.00 | 1,186.28 | 1,160.47 | 1,154.77 | 5.05 | 4.70 | -141.78 | 156.75 | 247.02 | 398.44 | 388.02 | 10.41 | 38.263 | |
| 1,300.00 | 1,283.94 | 1,257.34 | 1,250.87 | 5.38 | 4.93 | -142.24 | 156.22 | 259.18 | 423.06 | 412.16 | 10.90 | 38.816 | |
| 1,400.00 | 1,381.60 | 1,354.21 | 1,346.97 | 5.73 | 5.18 | -142.64 | 155.68 | 271.35 | 447.71 | 436.30 | 11.41 | 39.253 | |
| 1,500.00 | 1,479.26 | 1,451.08 | 1,443.07 | 6.08 | 5.43 | -143.01 | 155.15 | 283.51 | 472.37 | 460.44 | 11.93 | 39.594 | |
| 1,600.00 | 1,576.92 | 1,547.95 | 1,539.17 | 6.45 | 5.69 | -143.34 | 154.62 | 295.67 | 497.06 | 484.58 | 12.47 | 39.857 | |
| 1,700.00 | 1,674.58 | 1,644.82 | 1,635.27 | 6.82 | 5.96 | -143.63 | 154.09 | 307.83 | 521.75 | 508.73 | 13.02 | 40.059 | |
| 1,800.00 | 1,772.24 | 1,741.69 | 1,731.37 | 7.21 | 6.23 | -143.90 | 153.56 | 320.00 | 546.46 | 532.87 | 13.59 | 40.210 | |
| 1,900.00 | 1,869.90 | 1,838.56 | 1,827.47 | 7.42 | 6.46 | -144.15 | 153.03 | 332.16 | 571.18 | 557.58 | 13.60 | 41.997 | |
| 2,000.00 | 1,967.56 | 1,935.42 | 1,923.57 | 7.47 | 6.56 | -144.38 | 152.50 | 344.32 | 595.91 | 582.18 | 13.73 | 43.402 | |
| 2,100.00 | 2,065.22 | 2,032.29 | 2,019.67 | 7.54 | 6.60 | -144.58 | 151.97 | 356.49 | 620.64 | 606.83 | 13.81 | 44.955 | |
| 2,200.00 | 2,162.88 | 2,129.16 | 2,115.77 | 7.63 | 6.64 | -144.78 | 151.44 | 368.65 | 645.38 | 631.47 | 13.91 | 46.388 | |
| 2,300.00 | 2,260.54 | 2,226.03 | 2,211.87 | 7.74 | 6.70 | -144.95 | 150.91 | 380.81 | 670.13 | 656.08 | 14.05 | 47.699 | |
| 2,400.00 | 2,358.20 | 2,322.90 | 2,307.97 | 7.87 | 6.77 | -145.12 | 150.37 | 392.97 | 694.89 | 680.67 | 14.21 | 48.886 | |
| 2,500.00 | 2,455.85 | 2,419.77 | 2,404.08 | 8.01 | 6.86 | -145.27 | 149.84 | 405.14 | 719.65 | 705.24 | 14.41 | 49.949 | |
| 2,600.00 | 2,553.51 | 2,516.64 | 2,500.18 | 8.17 | 6.96 | -145.42 | 149.31 | 417.30 | 744.41 | 729.78 | 14.63 | 50.891 | |
| 2,700.00 | 2,651.17 | 2,613.51 | 2,596.28 | 8.34 | 7.06 | -145.55 | 148.78 | 429.46 | 769.18 | 754.31 | 14.87 | 51.717 | |
| 2,800.00 | 2,748.83 | 2,710.38 | 2,692.38 | 8.52 | 7.18 | -145.68 | 148.25 | 441.63 | 793.95 | 778.81 | 15.14 | 52.433 | |
| 2,900.00 | 2,846.49 | 2,807.24 | 2,788.48 | 8.72 | 7.31 | -145.80 | 147.72 | 453.79 | 818.73 | 803.29 | 15.43 | 53.046 | |
| 3,000.00 | 2,944.15 | 2,904.11 | 2,884.58 | 8.93 | 7.45 | -145.91 | 147.19 | 465.95 | 843.50 | 827.76 | 15.75 | 53.562 | |
| 3,100.00 | 3,041.81 | 3,000.98 | 2,980.68 | 9.16 | 7.60 | -146.01 | 146.66 | 478.11 | 868.28 | 852.20 | 16.08 | 53.991 | |
| 3,200.00 | 3,139.47 | 3,102.15 | 3,076.78 | 9.39 | 7.77 | -146.11 | 146.13 | 490.28 | 893.07 | 876.63 | 16.44 | 54.316 | |
| 3,300.00 | 3,237.13 | 3,205.28 | 3,172.88 | 9.63 | 7.95 | -146.21 | 145.60 | 502.44 | 917.85 | 901.03 | 16.82 | 54.556 | |
| 3,400.00 | 3,334.79 | 3,308.41 | 3,268.98 | 9.88 | 8.13 | -146.30 | 145.07 | 514.60 | 942.64 | 925.42 | 17.22 | 54.730 | |
| 3,500.00 | 3,432.45 | 3,388.46 | 3,365.08 | 10.14 | 8.28 | -146.38 | 144.53 | 526.77 | 967.43 | 949.84 | 17.60 | 54.983 | |
| 3,600.00 | 3,530.11 | 3,485.33 | 3,461.18 | 10.41 | 8.47 | -146.46 | 144.00 | 538.93 | 992.23 | 974.21 | 18.01 | 55.087 | |
| 3,700.00 | 3,627.77 | 3,582.19 | 3,557.28 | 10.68 | 8.67 | -146.54 | 143.47 | 551.09 | 1,017.02 | 998.58 | 18.44 | 55.147 | |
| 3,800.00 | 3,725.43 | 3,679.06 | 3,653.39 | 10.96 | 8.87 | -146.61 | 142.94 | 563.25 | 1,041.82 | 1,022.93 | 18.88 | 55.168 | |
| 3,900.00 | 3,823.09 | 3,775.93 | 3,749.49 | 11.25 | 9.08 | -146.68 | 142.41 | 575.42 | 1,066.61 | 1,047.27 | 19.34 | 55.156 | |
| 4,000.00 | 3,920.75 | 3,872.80 | 3,845.59 | 11.54 | 9.29 | -146.74 | 141.88 | 587.58 | 1,091.41 | 1,071.61 | 19.80 | 55.114 | |
| 4,100.00 | 4,018.41 | 3,969.67 | 3,941.69 | 11.84 | 9.51 | -146.81 | 141.35 | 599.74 | 1,116.21 | 1,095.93 | 20.28 | 55.047 | |
| 4,200.00 | 4,116.07 | 4,066.54 | 4,037.79 | 12.14 | 9.73 | -146.87 | 140.82 | 611.91 | 1,141.01 | 1,120.25 | 20.76 | 54.959 | |
| 4,300.00 | 4,213.73 | 4,163.41 | 4,133.89 | 12.45 | 9.95 | -146.93 | 140.29 | 624.07 | 1,165.81 | 1,144.56 | 21.25 | 54.853 | |
| 4,400.00 | 4,311.39 | 4,260.28 | 4,229.99 | 12.76 | 10.18 | -146.98 | 139.76 | 636.23 | 1,190.62 | 1,168.86 | 21.75 | 54.731 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 39.46 | 181.05 | 149.06 | 234.51 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 39.46 | 181.05 | 149.06 | 234.51 | 226.99 | 7.53 | 31.148 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 39.46 | 181.05 | 149.06 | 234.51 | 226.94 | 7.57 | 30.965 CC, ES, SF | |
| 300.00 | 299.98 | 293.09 | 293.07 | 3.34 | 3.34 | -143.36 | 181.33 | 150.54 | 237.15 | 229.50 | 7.65 | 30.989 | |
| 400.00 | 399.84 | 386.73 | 386.60 | 3.40 | 3.41 | -143.26 | 182.17 | 155.04 | 245.09 | 237.32 | 7.77 | 31.544 | |
| 500.00 | 499.45 | 479.60 | 479.15 | 3.49 | 3.49 | -143.10 | 183.56 | 162.46 | 258.29 | 250.36 | 7.93 | 32.563 | |
| 600.00 | 598.70 | 572.01 | 570.97 | 3.60 | 3.59 | -142.89 | 185.48 | 172.75 | 276.67 | 268.53 | 8.14 | 33.983 | |
| 700.00 | 697.47 | 669.53 | 667.71 | 3.75 | 3.72 | -142.88 | 187.75 | 184.83 | 298.75 | 290.34 | 8.41 | 35.515 | |
| 800.00 | 795.62 | 766.35 | 763.76 | 3.95 | 3.88 | -143.18 | 189.99 | 196.82 | 323.56 | 314.83 | 8.73 | 37.059 | |
| 900.00 | 893.30 | 862.62 | 859.26 | 4.18 | 4.05 | -143.88 | 192.22 | 208.75 | 350.27 | 341.18 | 9.09 | 38.534 | |
| 1,000.00 | 990.96 | 958.87 | 954.74 | 4.45 | 4.25 | -144.54 | 194.45 | 220.67 | 377.09 | 367.61 | 9.48 | 39.791 | |
| 1,100.00 | 1,088.62 | 1,055.12 | 1,050.22 | 4.74 | 4.45 | -145.12 | 196.68 | 232.59 | 403.95 | 394.06 | 9.90 | 40.823 | |
| 1,200.00 | 1,186.28 | 1,151.37 | 1,145.71 | 5.05 | 4.67 | -145.62 | 198.92 | 244.52 | 430.85 | 420.51 | 10.34 | 41.663 | |
| 1,300.00 | 1,283.94 | 1,247.62 | 1,241.19 | 5.38 | 4.91 | -146.06 | 201.15 | 256.44 | 457.77 | 446.96 | 10.81 | 42.342 | |
| 1,400.00 | 1,381.60 | 1,343.87 | 1,336.67 | 5.73 | 5.15 | -146.46 | 203.38 | 268.36 | 484.72 | 473.41 | 11.30 | 42.888 | |
| 1,500.00 | 1,479.26 | 1,440.12 | 1,432.16 | 6.08 | 5.40 | -146.81 | 205.61 | 280.28 | 511.68 | 499.87 | 11.81 | 43.326 | |
| 1,600.00 | 1,576.92 | 1,536.37 | 1,527.64 | 6.45 | 5.66 | -147.13 | 207.84 | 292.21 | 538.66 | 526.33 | 12.33 | 43.674 | |
| 1,700.00 | 1,674.58 | 1,632.62 | 1,623.12 | 6.82 | 5.92 | -147.42 | 210.07 | 304.13 | 565.66 | 552.79 | 12.87 | 43.949 | |
| 1,800.00 | 1,772.24 | 1,728.87 | 1,718.61 | 7.21 | 6.19 | -147.68 | 212.30 | 316.05 | 592.66 | 579.24 | 13.42 | 44.165 | |
| 1,900.00 | 1,869.90 | 1,825.12 | 1,814.09 | 7.42 | 6.43 | -147.92 | 214.54 | 327.98 | 619.68 | 606.24 | 13.44 | 46.119 | |
| 2,000.00 | 1,967.56 | 1,921.37 | 1,909.57 | 7.47 | 6.55 | -148.13 | 216.77 | 339.90 | 646.71 | 633.13 | 13.58 | 47.633 | |
| 2,100.00 | 2,065.22 | 2,017.62 | 2,005.06 | 7.54 | 6.58 | -148.34 | 219.00 | 351.82 | 673.74 | 660.09 | 13.65 | 49.369 | |
| 2,200.00 | 2,162.88 | 2,113.87 | 2,100.54 | 7.63 | 6.62 | -148.52 | 221.23 | 363.75 | 700.78 | 687.03 | 13.75 | 50.976 | |
| 2,300.00 | 2,260.54 | 2,210.13 | 2,196.02 | 7.74 | 6.68 | -148.69 | 223.46 | 375.67 | 727.83 | 713.95 | 13.88 | 52.449 | |
| 2,400.00 | 2,358.20 | 2,306.38 | 2,291.51 | 7.87 | 6.75 | -148.85 | 225.69 | 387.59 | 754.88 | 740.85 | 14.03 | 53.786 | |
| 2,500.00 | 2,455.85 | 2,402.63 | 2,386.99 | 8.01 | 6.83 | -149.00 | 227.92 | 399.52 | 781.94 | 767.72 | 14.22 | 54.987 | |
| 2,600.00 | 2,553.51 | 2,501.12 | 2,482.47 | 8.17 | 6.92 | -149.14 | 230.16 | 411.44 | 809.00 | 794.57 | 14.43 | 56.045 | |
| 2,700.00 | 2,651.17 | 2,604.87 | 2,577.96 | 8.34 | 7.04 | -149.27 | 232.39 | 423.36 | 836.07 | 821.39 | 14.68 | 56.949 | |
| 2,800.00 | 2,748.83 | 2,708.62 | 2,673.44 | 8.52 | 7.17 | -149.39 | 234.62 | 435.28 | 863.14 | 848.19 | 14.95 | 57.724 | |
| 2,900.00 | 2,846.49 | 2,787.63 | 2,768.92 | 8.72 | 7.27 | -149.50 | 236.85 | 447.21 | 890.21 | 875.00 | 15.22 | 58.506 | |
| 3,000.00 | 2,944.15 | 2,883.88 | 2,864.40 | 8.93 | 7.41 | -149.61 | 239.08 | 459.13 | 917.29 | 901.77 | 15.52 | 59.099 | |
| 3,100.00 | 3,041.81 | 2,980.13 | 2,959.89 | 9.16 | 7.55 | -149.71 | 241.31 | 471.05 | 944.37 | 928.52 | 15.85 | 59.595 | |
| 3,200.00 | 3,139.47 | 3,076.38 | 3,055.37 | 9.39 | 7.71 | -149.81 | 243.54 | 482.98 | 971.45 | 955.26 | 16.19 | 60.000 | |
| 3,300.00 | 3,237.13 | 3,172.63 | 3,150.85 | 9.63 | 7.87 | -149.90 | 245.78 | 494.90 | 998.54 | 981.99 | 16.55 | 60.325 | |
| 3,400.00 | 3,334.79 | 3,268.88 | 3,246.34 | 9.88 | 8.04 | -149.98 | 248.01 | 506.82 | 1,025.62 | 1,008.69 | 16.93 | 60.578 | |
| 3,500.00 | 3,432.45 | 3,365.13 | 3,341.82 | 10.14 | 8.22 | -150.07 | 250.24 | 518.75 | 1,052.71 | 1,035.39 | 17.32 | 60.765 | |
| 3,600.00 | 3,530.11 | 3,461.38 | 3,437.30 | 10.41 | 8.40 | -150.14 | 252.47 | 530.67 | 1,079.80 | 1,062.07 | 17.73 | 60.896 | |
| 3,700.00 | 3,627.77 | 3,557.63 | 3,532.79 | 10.68 | 8.59 | -150.22 | 254.70 | 542.59 | 1,106.90 | 1,088.74 | 18.15 | 60.976 | |
| 3,800.00 | 3,725.43 | 3,653.88 | 3,628.27 | 10.96 | 8.79 | -150.29 | 256.93 | 554.51 | 1,133.99 | 1,115.40 | 18.59 | 61.011 | |
| 3,900.00 | 3,823.09 | 3,750.14 | 3,723.75 | 11.25 | 8.99 | -150.35 | 259.16 | 566.44 | 1,161.09 | 1,142.06 | 19.03 | 61.009 | |
| 4,000.00 | 3,920.75 | 3,846.39 | 3,819.24 | 11.54 | 9.20 | -150.42 | 261.40 | 578.36 | 1,188.18 | 1,168.70 | 19.49 | 60.973 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5C-30-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 74.64 | 41.16 | 149.89 | 155.44 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 74.64 | 41.16 | 149.89 | 155.44 | 147.91 | 7.53 | 20.646 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 74.64 | 41.16 | 149.89 | 155.44 | 147.87 | 7.57 | 20.524 | CC, ES |
| 300.00 | 299.98 | 297.12 | 297.10 | 3.34 | 3.34 | -108.22 | 39.83 | 150.86 | 156.58 | 148.93 | 7.65 | 20.465 | |
| 400.00 | 399.84 | 395.15 | 395.00 | 3.40 | 3.40 | -108.22 | 35.79 | 153.81 | 160.02 | 152.26 | 7.76 | 20.609 | |
| 500.00 | 499.45 | 493.03 | 492.52 | 3.49 | 3.49 | -108.22 | 29.06 | 158.71 | 165.76 | 157.83 | 7.93 | 20.904 | |
| 600.00 | 598.70 | 590.68 | 589.47 | 3.60 | 3.59 | -108.21 | 19.67 | 165.56 | 173.78 | 165.62 | 8.15 | 21.313 | |
| 700.00 | 697.47 | 688.04 | 685.68 | 3.75 | 3.74 | -108.18 | 7.65 | 174.33 | 184.06 | 175.62 | 8.45 | 21.792 | |
| 800.00 | 795.62 | 785.03 | 780.97 | 3.95 | 3.93 | -108.13 | -6.94 | 184.97 | 196.60 | 187.78 | 8.82 | 22.298 | |
| 900.00 | 893.30 | 883.94 | 877.79 | 4.18 | 4.16 | -108.40 | -23.28 | 196.88 | 210.51 | 201.24 | 9.27 | 22.707 | |
| 1,000.00 | 990.96 | 982.95 | 974.71 | 4.45 | 4.42 | -108.70 | -39.64 | 208.81 | 224.46 | 214.67 | 9.78 | 22.947 | |
| 1,100.00 | 1,088.62 | 1,081.97 | 1,071.64 | 4.74 | 4.71 | -108.97 | -56.00 | 220.74 | 238.41 | 228.07 | 10.34 | 23.054 | |
| 1,200.00 | 1,186.28 | 1,180.99 | 1,168.56 | 5.05 | 5.01 | -109.21 | -72.36 | 232.67 | 252.36 | 241.42 | 10.94 | 23.066 | |
| 1,300.00 | 1,283.94 | 1,280.00 | 1,265.48 | 5.38 | 5.34 | -109.42 | -88.72 | 244.60 | 266.32 | 254.75 | 11.57 | 23.010 | |
| 1,400.00 | 1,381.60 | 1,379.02 | 1,362.41 | 5.73 | 5.68 | -109.61 | -105.08 | 256.53 | 280.28 | 268.05 | 12.23 | 22.909 | |
| 1,500.00 | 1,479.26 | 1,478.03 | 1,459.33 | 6.08 | 6.03 | -109.78 | -121.44 | 268.46 | 294.25 | 281.33 | 12.92 | 22.777 | |
| 1,600.00 | 1,576.92 | 1,577.05 | 1,556.26 | 6.45 | 6.39 | -109.94 | -137.80 | 280.39 | 308.22 | 294.59 | 13.62 | 22.626 | |
| 1,700.00 | 1,674.58 | 1,676.07 | 1,653.18 | 6.82 | 6.75 | -110.08 | -154.16 | 292.32 | 322.19 | 307.84 | 14.34 | 22.464 | |
| 1,800.00 | 1,772.24 | 1,775.08 | 1,750.10 | 7.21 | 7.13 | -110.21 | -170.52 | 304.26 | 336.16 | 321.08 | 15.08 | 22.298 | |
| 1,900.00 | 1,869.90 | 1,874.10 | 1,847.03 | 7.42 | 7.38 | -110.34 | -186.88 | 316.19 | 350.13 | 334.98 | 15.15 | 23.116 | |
| 2,000.00 | 1,967.56 | 1,973.12 | 1,943.95 | 7.47 | 7.47 | -110.45 | -203.24 | 328.12 | 364.10 | 348.82 | 15.28 | 23.824 | |
| 2,100.00 | 2,065.22 | 2,072.13 | 2,040.88 | 7.54 | 7.53 | -110.55 | -219.60 | 340.05 | 378.08 | 362.67 | 15.41 | 24.534 | |
| 2,200.00 | 2,162.88 | 2,171.15 | 2,137.80 | 7.63 | 7.61 | -110.65 | -235.96 | 351.98 | 392.06 | 376.48 | 15.57 | 25.175 | |
| 2,300.00 | 2,260.54 | 2,270.17 | 2,234.72 | 7.74 | 7.71 | -110.74 | -252.32 | 363.91 | 406.03 | 390.26 | 15.77 | 25.745 | |
| 2,400.00 | 2,358.20 | 2,369.18 | 2,331.65 | 7.87 | 7.82 | -110.82 | -268.68 | 375.84 | 420.01 | 404.01 | 16.00 | 26.246 | |
| 2,500.00 | 2,455.85 | 2,468.20 | 2,428.57 | 8.01 | 7.95 | -110.90 | -285.04 | 387.77 | 433.99 | 417.73 | 16.27 | 26.681 | |
| 2,600.00 | 2,553.51 | 2,567.21 | 2,525.50 | 8.17 | 8.09 | -110.97 | -301.40 | 399.70 | 447.97 | 431.41 | 16.56 | 27.052 | |
| 2,700.00 | 2,651.17 | 2,666.23 | 2,622.42 | 8.34 | 8.25 | -111.04 | -317.76 | 411.63 | 461.95 | 445.07 | 16.88 | 27.364 | |
| 2,800.00 | 2,748.83 | 2,765.25 | 2,719.34 | 8.52 | 8.42 | -111.10 | -334.12 | 423.56 | 475.93 | 458.70 | 17.23 | 27.620 | |
| 2,900.00 | 2,846.49 | 2,864.26 | 2,816.27 | 8.72 | 8.61 | -111.17 | -350.48 | 435.49 | 489.92 | 472.31 | 17.61 | 27.826 | |
| 3,000.00 | 2,944.15 | 2,963.28 | 2,913.19 | 8.93 | 8.80 | -111.22 | -366.85 | 447.42 | 503.90 | 485.89 | 18.00 | 27.987 | |
| 3,100.00 | 3,041.81 | 3,062.30 | 3,010.12 | 9.16 | 9.01 | -111.28 | -383.21 | 459.35 | 517.88 | 499.46 | 18.43 | 28.107 | |
| 3,200.00 | 3,139.47 | 3,161.31 | 3,107.04 | 9.39 | 9.23 | -111.33 | -399.57 | 471.28 | 531.86 | 513.00 | 18.87 | 28.191 | |
| 3,300.00 | 3,237.13 | 3,260.33 | 3,203.96 | 9.63 | 9.46 | -111.38 | -415.93 | 483.21 | 545.85 | 526.52 | 19.33 | 28.243 | |
| 3,400.00 | 3,334.79 | 3,359.35 | 3,300.89 | 9.88 | 9.69 | -111.43 | -432.29 | 495.14 | 559.83 | 540.03 | 19.81 | 28.267 | |
| 3,500.00 | 3,432.45 | 3,458.36 | 3,397.81 | 10.14 | 9.94 | -111.47 | -448.65 | 507.07 | 573.82 | 553.52 | 20.30 | 28.267 | |
| 3,600.00 | 3,530.11 | 3,557.38 | 3,494.73 | 10.41 | 10.19 | -111.51 | -465.01 | 519.00 | 587.80 | 566.99 | 20.81 | 28.246 | |
| 3,700.00 | 3,627.77 | 3,656.39 | 3,591.66 | 10.68 | 10.45 | -111.55 | -481.37 | 530.93 | 601.79 | 580.45 | 21.33 | 28.207 | |
| 3,800.00 | 3,725.43 | 3,755.41 | 3,688.58 | 10.96 | 10.72 | -111.59 | -497.73 | 542.86 | 615.77 | 593.90 | 21.87 | 28.154 | |
| 3,900.00 | 3,823.09 | 3,854.43 | 3,785.51 | 11.25 | 10.99 | -111.63 | -514.09 | 554.79 | 629.76 | 607.34 | 22.42 | 28.087 | |
| 4,000.00 | 3,920.75 | 3,953.44 | 3,882.43 | 11.54 | 11.27 | -111.66 | -530.45 | 566.72 | 643.74 | 620.76 | 22.98 | 28.011 | |
| 4,100.00 | 4,018.41 | 4,052.46 | 3,979.35 | 11.84 | 11.55 | -111.70 | -546.81 | 578.65 | 657.73 | 634.18 | 23.55 | 27.925 | |
| 4,200.00 | 4,116.07 | 4,151.48 | 4,076.28 | 12.14 | 11.84 | -111.73 | -563.17 | 590.59 | 671.72 | 647.58 | 24.13 | 27.832 | |
| 4,300.00 | 4,213.73 | 4,250.49 | 4,173.20 | 12.45 | 12.13 | -111.76 | -579.53 | 602.52 | 685.70 | 660.98 | 24.72 | 27.734 | |
| 4,400.00 | 4,311.39 | 4,349.51 | 4,270.13 | 12.76 | 12.43 | -111.79 | -595.89 | 614.45 | 699.69 | 674.37 | 25.32 | 27.631 | |
| 4,500.00 | 4,409.05 | 4,448.53 | 4,367.05 | 13.08 | 12.73 | -111.82 | -612.25 | 626.38 | 713.68 | 687.75 | 25.93 | 27.525 | |
| 4,600.00 | 4,506.71 | 4,547.54 | 4,463.97 | 13.40 | 13.03 | -111.85 | -628.61 | 638.31 | 727.66 | 701.12 | 26.54 | 27.416 | |
| 4,700.00 | 4,604.37 | 4,646.56 | 4,560.90 | 13.72 | 13.34 | -111.87 | -644.97 | 650.24 | 741.65 | 714.49 | 27.16 | 27.305 | |
| 4,800.00 | 4,702.03 | 4,745.58 | 4,657.82 | 14.04 | 13.65 | -111.90 | -661.33 | 662.17 | 755.64 | 727.85 | 27.79 | 27.193 | |
| 4,900.00 | 4,799.69 | 4,844.59 | 4,754.75 | 14.37 | 13.97 | -111.92 | -677.69 | 674.10 | 769.63 | 741.21 | 28.42 | 27.081 | |
| 5,000.00 | 4,897.35 | 4,943.61 | 4,851.67 | 14.70 | 14.28 | -111.95 | -694.05 | 686.03 | 783.61 | 754.56 | 29.06 | 26.968 | |
| 5,100.00 | 4,995.01 | 5,042.62 | 4,948.59 | 15.03 | 14.60 | -111.97 | -710.42 | 697.96 | 797.60 | 767.90 | 29.70 | 26.855 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5C-30-M - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: 0.00 usft | |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: 3.28 usft | |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,200.00 | 5,092.67 | 5,141.64 | 5,045.52 | 15.37 | 14.93 | -111.99 | -726.78 | 709.89 | 811.59 | 781.24 | 30.35 | 26.743 | | |
| 5,300.00 | 5,190.33 | 5,240.66 | 5,142.44 | 15.71 | 15.25 | -112.01 | -743.14 | 721.82 | 825.58 | 794.58 | 31.00 | 26.632 | | |
| 5,400.00 | 5,287.99 | 5,339.67 | 5,239.37 | 16.05 | 15.58 | -112.03 | -759.50 | 733.75 | 839.57 | 807.91 | 31.66 | 26.522 | | |
| 5,500.00 | 5,385.65 | 5,438.69 | 5,336.29 | 16.39 | 15.90 | -112.05 | -775.86 | 745.68 | 853.55 | 821.24 | 32.32 | 26.413 | | |
| 5,600.00 | 5,483.31 | 5,537.71 | 5,433.21 | 16.73 | 16.23 | -112.07 | -792.22 | 757.61 | 867.54 | 834.56 | 32.98 | 26.306 | | |
| 5,700.00 | 5,580.97 | 5,636.72 | 5,530.14 | 17.08 | 16.57 | -112.09 | -808.58 | 769.54 | 881.53 | 847.89 | 33.65 | 26.200 | | |
| 5,800.00 | 5,678.63 | 5,735.74 | 5,627.06 | 17.42 | 16.90 | -112.11 | -824.94 | 781.47 | 895.52 | 861.20 | 34.32 | 26.096 | | |
| 5,900.00 | 5,776.29 | 5,834.76 | 5,723.98 | 17.77 | 17.24 | -112.13 | -841.30 | 793.40 | 909.51 | 874.52 | 34.99 | 25.993 | | |
| 6,000.00 | 5,873.95 | 5,933.77 | 5,820.91 | 18.12 | 17.57 | -112.14 | -857.66 | 805.33 | 923.50 | 887.83 | 35.67 | 25.893 | | |
| 6,100.00 | 5,971.61 | 6,032.79 | 5,917.83 | 18.47 | 17.91 | -112.16 | -874.02 | 817.26 | 937.49 | 901.14 | 36.35 | 25.794 | | |
| 6,200.00 | 6,069.26 | 6,131.80 | 6,014.76 | 18.82 | 18.25 | -112.17 | -890.38 | 829.19 | 951.48 | 914.45 | 37.03 | 25.697 | | |
| 6,300.00 | 6,166.92 | 6,230.82 | 6,111.68 | 19.18 | 18.59 | -112.19 | -906.74 | 841.12 | 965.46 | 927.75 | 37.71 | 25.601 | | |
| 6,400.00 | 6,264.58 | 6,329.84 | 6,208.60 | 19.53 | 18.93 | -112.21 | -923.10 | 853.05 | 979.45 | 941.06 | 38.40 | 25.508 | | |
| 6,500.00 | 6,362.24 | 6,428.85 | 6,305.53 | 19.89 | 19.28 | -112.22 | -939.46 | 864.98 | 993.44 | 954.36 | 39.09 | 25.416 | | |
| 6,600.00 | 6,459.90 | 6,526.76 | 6,360.91 | 20.24 | 22.14 | 178.57 | -1,116.39 | -65.13 | 922.21 | 889.97 | 32.23 | 28.609 | | |
| 6,700.00 | 6,557.56 | 6,627.20 | 6,360.91 | 20.59 | 22.15 | -175.27 | -1,116.39 | -65.57 | 832.19 | 799.19 | 33.00 | 25.220 | | |
| 6,800.00 | 6,654.52 | 6,726.13 | 6,360.91 | 20.88 | 22.05 | -157.05 | -1,116.40 | -54.50 | 745.34 | 711.51 | 33.82 | 22.035 | | |
| 6,900.00 | 6,748.60 | 6,819.66 | 6,360.92 | 21.16 | 21.82 | -148.85 | -1,116.43 | -28.03 | 664.43 | 629.71 | 34.72 | 19.139 | | |
| 7,000.00 | 6,837.47 | 6,908.44 | 6,360.93 | 21.44 | 21.47 | -144.39 | -1,116.48 | 13.19 | 592.26 | 556.59 | 35.67 | 16.604 | | |
| 7,100.00 | 6,918.94 | 6,993.50 | 6,360.94 | 21.70 | 21.03 | -140.52 | -1,116.55 | 68.13 | 531.23 | 494.57 | 36.66 | 14.490 | | |
| 7,200.00 | 6,991.02 | 7,066.19 | 6,360.96 | 21.95 | 20.71 | -136.32 | -1,116.63 | 135.44 | 482.88 | 445.27 | 37.61 | 12.839 | | |
| 7,300.00 | 7,051.93 | 7,128.15 | 6,360.98 | 22.19 | 20.77 | -131.78 | -1,116.72 | 213.48 | 447.50 | 409.05 | 38.45 | 11.639 | | |
| 7,400.00 | 7,100.16 | 7,180.02 | 6,360.03 | 22.43 | 20.89 | -126.55 | -1,116.67 | 311.59 | 423.64 | 384.55 | 39.10 | 10.836 | | |
| 7,500.00 | 7,134.53 | 7,209.00 | 6,342.14 | 22.69 | 21.02 | -119.61 | -1,113.79 | 431.07 | 404.33 | 364.41 | 39.92 | 10.128 | | |
| 7,600.00 | 7,154.20 | 7,201.30 | 6,307.74 | 23.01 | 21.11 | -112.82 | -1,108.11 | 532.83 | 389.05 | 348.23 | 40.82 | 9.531 | | |
| 7,700.00 | 7,158.98 | 7,203.88 | 6,262.45 | 23.42 | 21.16 | -106.04 | -1,100.57 | 618.65 | 379.21 | 337.78 | 41.43 | 9.154 | | |
| 7,784.63 | 7,158.88 | 7,432.22 | 7,221.18 | 23.87 | 21.19 | -99.69 | -1,093.68 | 676.77 | 375.98 | 334.42 | 41.56 | 9.048 SF | | |
| 7,800.00 | 7,158.86 | 7,420.43 | 7,213.78 | 23.96 | 21.19 | -98.55 | -1,092.44 | 685.87 | 376.11 | 334.58 | 41.52 | 9.058 | | |
| 7,900.00 | 7,158.74 | 7,351.97 | 7,167.65 | 24.64 | 21.20 | -91.49 | -1,084.72 | 735.81 | 384.00 | 342.99 | 41.02 | 9.362 | | |
| 8,000.00 | 7,158.62 | 7,296.01 | 7,126.19 | 25.44 | 21.19 | -85.33 | -1,077.76 | 772.72 | 406.00 | 365.83 | 40.17 | 10.108 | | |
| 8,100.00 | 7,158.50 | 7,250.00 | 7,089.82 | 26.35 | 21.18 | -80.19 | -1,071.66 | 800.21 | 442.52 | 403.18 | 39.34 | 11.247 | | |
| 8,200.00 | 7,158.38 | 7,212.04 | 7,058.40 | 27.36 | 21.16 | -76.00 | -1,066.39 | 820.83 | 491.97 | 453.18 | 38.79 | 12.684 | | |
| 8,300.00 | 7,158.26 | 7,180.27 | 7,031.20 | 28.43 | 21.14 | -72.57 | -1,061.82 | 836.61 | 551.93 | 513.41 | 38.52 | 14.328 | | |
| 8,400.00 | 7,158.15 | 7,150.00 | 7,004.60 | 29.58 | 21.12 | -69.41 | -1,057.35 | 850.34 | 620.04 | 581.60 | 38.44 | 16.130 | | |
| 8,500.00 | 7,158.03 | 7,130.58 | 6,987.21 | 30.77 | 21.11 | -67.44 | -1,054.42 | 858.47 | 694.30 | 655.72 | 38.58 | 17.997 | | |
| 8,600.00 | 7,157.91 | 7,110.90 | 6,969.35 | 32.02 | 21.09 | -65.51 | -1,051.42 | 866.16 | 773.27 | 734.52 | 38.75 | 19.956 | | |
| 8,700.00 | 7,157.79 | 7,100.00 | 6,959.35 | 33.30 | 21.08 | -64.46 | -1,049.74 | 870.17 | 855.89 | 816.88 | 39.01 | 21.942 | | |
| 8,800.00 | 7,157.67 | 7,078.86 | 6,939.79 | 34.62 | 21.05 | -62.49 | -1,046.45 | 877.46 | 941.20 | 902.03 | 39.17 | 24.031 | | |
| 8,900.00 | 7,157.55 | 7,065.68 | 6,927.47 | 35.97 | 21.04 | -61.30 | -1,044.38 | 881.67 | 1,028.74 | 989.37 | 39.38 | 26.127 | | |
| 9,000.00 | 7,157.43 | 7,050.00 | 6,912.71 | 37.35 | 21.02 | -59.93 | -1,041.89 | 886.34 | 1,118.05 | 1,078.50 | 39.55 | 28.267 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5N-30B-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 81.98 | 21.13 | 149.89 | 151.37 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 81.98 | 21.13 | 149.89 | 151.37 | 143.85 | 7.53 | 20.106 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 81.98 | 21.13 | 149.89 | 151.37 | 143.80 | 7.57 | 19.987 | CC, ES |
| 300.00 | 299.98 | 296.79 | 296.77 | 3.34 | 3.34 | -100.93 | 19.77 | 150.80 | 152.42 | 144.77 | 7.65 | 19.922 | |
| 400.00 | 399.84 | 394.48 | 394.34 | 3.40 | 3.40 | -101.06 | 15.63 | 153.54 | 155.60 | 147.84 | 7.76 | 20.044 | |
| 500.00 | 499.45 | 492.05 | 491.55 | 3.49 | 3.48 | -101.27 | 8.73 | 158.11 | 160.91 | 152.98 | 7.93 | 20.302 | |
| 600.00 | 598.70 | 589.43 | 588.23 | 3.60 | 3.59 | -101.52 | -0.90 | 164.50 | 168.33 | 160.18 | 8.15 | 20.659 | |
| 700.00 | 697.47 | 686.55 | 684.22 | 3.75 | 3.74 | -101.81 | -13.22 | 172.67 | 177.86 | 169.42 | 8.44 | 21.077 | |
| 800.00 | 795.62 | 783.36 | 779.34 | 3.95 | 3.92 | -102.10 | -28.20 | 182.61 | 189.48 | 180.67 | 8.81 | 21.513 | |
| 900.00 | 893.30 | 880.72 | 874.37 | 4.18 | 4.15 | -102.35 | -45.80 | 194.28 | 202.88 | 193.62 | 9.26 | 21.911 | |
| 1,000.00 | 990.96 | 979.77 | 970.90 | 4.45 | 4.43 | -102.45 | -64.32 | 206.56 | 216.59 | 206.81 | 9.78 | 22.140 | |
| 1,100.00 | 1,088.62 | 1,078.82 | 1,067.43 | 4.74 | 4.73 | -102.55 | -82.83 | 218.83 | 230.31 | 219.95 | 10.36 | 22.234 | |
| 1,200.00 | 1,186.28 | 1,177.88 | 1,163.96 | 5.05 | 5.06 | -102.63 | -101.34 | 231.11 | 244.02 | 233.05 | 10.98 | 22.230 | |
| 1,300.00 | 1,283.94 | 1,276.93 | 1,260.50 | 5.38 | 5.40 | -102.71 | -119.86 | 243.39 | 257.74 | 246.11 | 11.63 | 22.160 | |
| 1,400.00 | 1,381.60 | 1,375.99 | 1,357.03 | 5.73 | 5.76 | -102.78 | -138.37 | 255.67 | 271.45 | 259.14 | 12.31 | 22.046 | |
| 1,500.00 | 1,479.26 | 1,475.04 | 1,453.56 | 6.08 | 6.13 | -102.84 | -156.89 | 267.94 | 285.17 | 272.15 | 13.02 | 21.900 | |
| 1,600.00 | 1,576.92 | 1,574.10 | 1,550.09 | 6.45 | 6.52 | -102.89 | -175.40 | 280.22 | 298.89 | 285.14 | 13.75 | 21.738 | |
| 1,700.00 | 1,674.58 | 1,673.15 | 1,646.62 | 6.82 | 6.91 | -102.94 | -193.91 | 292.50 | 312.60 | 298.11 | 14.49 | 21.568 | |
| 1,800.00 | 1,772.24 | 1,772.21 | 1,743.15 | 7.21 | 7.31 | -102.99 | -212.43 | 304.78 | 326.32 | 311.07 | 15.25 | 21.393 | |
| 1,900.00 | 1,869.90 | 1,871.26 | 1,839.68 | 7.42 | 7.58 | -103.03 | -230.94 | 317.05 | 340.04 | 324.69 | 15.35 | 22.159 | |
| 2,000.00 | 1,967.56 | 1,970.31 | 1,936.21 | 7.47 | 7.68 | -103.07 | -249.46 | 329.33 | 353.75 | 338.26 | 15.49 | 22.830 | |
| 2,100.00 | 2,065.22 | 2,069.37 | 2,032.75 | 7.54 | 7.75 | -103.11 | -267.97 | 341.61 | 367.47 | 351.84 | 15.63 | 23.513 | |
| 2,200.00 | 2,162.88 | 2,168.42 | 2,129.28 | 7.63 | 7.84 | -103.14 | -286.48 | 353.89 | 381.19 | 365.39 | 15.80 | 24.127 | |
| 2,300.00 | 2,260.54 | 2,267.48 | 2,225.81 | 7.74 | 7.94 | -103.18 | -305.00 | 366.16 | 394.91 | 378.90 | 16.01 | 24.672 | |
| 2,400.00 | 2,358.20 | 2,366.53 | 2,322.34 | 7.87 | 8.06 | -103.20 | -323.51 | 378.44 | 408.62 | 392.38 | 16.25 | 25.151 | |
| 2,500.00 | 2,455.85 | 2,465.59 | 2,418.87 | 8.01 | 8.20 | -103.23 | -342.03 | 390.72 | 422.34 | 405.82 | 16.52 | 25.564 | |
| 2,600.00 | 2,553.51 | 2,564.64 | 2,515.40 | 8.17 | 8.36 | -103.26 | -360.54 | 403.00 | 436.06 | 419.23 | 16.83 | 25.916 | |
| 2,700.00 | 2,651.17 | 2,663.70 | 2,611.93 | 8.34 | 8.53 | -103.28 | -379.05 | 415.28 | 449.78 | 432.62 | 17.16 | 26.210 | |
| 2,800.00 | 2,748.83 | 2,762.75 | 2,708.46 | 8.52 | 8.71 | -103.31 | -397.57 | 427.55 | 463.50 | 445.97 | 17.52 | 26.451 | |
| 2,900.00 | 2,846.49 | 2,861.80 | 2,805.00 | 8.72 | 8.91 | -103.33 | -416.08 | 439.83 | 477.21 | 459.30 | 17.91 | 26.643 | |
| 3,000.00 | 2,944.15 | 2,960.86 | 2,901.53 | 8.93 | 9.12 | -103.35 | -434.60 | 452.11 | 490.93 | 472.61 | 18.32 | 26.792 | |
| 3,100.00 | 3,041.81 | 3,059.91 | 2,998.06 | 9.16 | 9.34 | -103.37 | -453.11 | 464.39 | 504.65 | 485.89 | 18.76 | 26.901 | |
| 3,200.00 | 3,139.47 | 3,158.97 | 3,094.59 | 9.39 | 9.57 | -103.38 | -471.62 | 476.66 | 518.37 | 499.15 | 19.22 | 26.976 | |
| 3,300.00 | 3,237.13 | 3,258.02 | 3,191.12 | 9.63 | 9.81 | -103.40 | -490.14 | 488.94 | 532.09 | 512.40 | 19.69 | 27.021 | |
| 3,400.00 | 3,334.79 | 3,357.08 | 3,287.65 | 9.88 | 10.06 | -103.42 | -508.65 | 501.22 | 545.81 | 525.62 | 20.19 | 27.039 | |
| 3,500.00 | 3,432.45 | 3,456.13 | 3,384.18 | 10.14 | 10.32 | -103.43 | -527.17 | 513.50 | 559.52 | 538.83 | 20.70 | 27.035 | |
| 3,600.00 | 3,530.11 | 3,555.19 | 3,480.71 | 10.41 | 10.58 | -103.45 | -545.68 | 525.77 | 573.24 | 552.02 | 21.22 | 27.010 | |
| 3,700.00 | 3,627.77 | 3,654.24 | 3,577.24 | 10.68 | 10.86 | -103.46 | -564.19 | 538.05 | 586.96 | 565.20 | 21.76 | 26.969 | |
| 3,800.00 | 3,725.43 | 3,753.29 | 3,673.78 | 10.96 | 11.14 | -103.48 | -582.71 | 550.33 | 600.68 | 578.36 | 22.32 | 26.915 | |
| 3,900.00 | 3,823.09 | 3,852.35 | 3,770.31 | 11.25 | 11.43 | -103.49 | -601.22 | 562.61 | 614.40 | 591.51 | 22.88 | 26.848 | |
| 4,000.00 | 3,920.75 | 3,951.40 | 3,866.84 | 11.54 | 11.72 | -103.50 | -619.74 | 574.88 | 628.12 | 604.66 | 23.46 | 26.771 | |
| 4,100.00 | 4,018.41 | 4,050.46 | 3,963.37 | 11.84 | 12.02 | -103.51 | -638.25 | 587.16 | 641.84 | 617.79 | 24.05 | 26.686 | |
| 4,200.00 | 4,116.07 | 4,149.51 | 4,059.90 | 12.14 | 12.32 | -103.52 | -656.76 | 599.44 | 655.55 | 630.91 | 24.65 | 26.595 | |
| 4,300.00 | 4,213.73 | 4,248.57 | 4,156.43 | 12.45 | 12.63 | -103.53 | -675.28 | 611.72 | 669.27 | 644.02 | 25.26 | 26.499 | |
| 4,400.00 | 4,311.39 | 4,347.62 | 4,252.96 | 12.76 | 12.94 | -103.54 | -693.79 | 623.99 | 682.99 | 657.12 | 25.87 | 26.398 | |
| 4,500.00 | 4,409.05 | 4,446.68 | 4,349.49 | 13.08 | 13.26 | -103.55 | -712.31 | 636.27 | 696.71 | 670.21 | 26.50 | 26.294 | |
| 4,600.00 | 4,506.71 | 4,545.73 | 4,446.03 | 13.40 | 13.58 | -103.56 | -730.82 | 648.55 | 710.43 | 683.30 | 27.13 | 26.188 | |
| 4,700.00 | 4,604.37 | 4,644.78 | 4,542.56 | 13.72 | 13.90 | -103.57 | -749.33 | 660.83 | 724.15 | 696.38 | 27.77 | 26.081 | |
| 4,800.00 | 4,702.03 | 4,743.84 | 4,639.09 | 14.04 | 14.23 | -103.58 | -767.85 | 673.10 | 737.87 | 709.46 | 28.41 | 25.973 | |
| 4,900.00 | 4,799.69 | 4,842.89 | 4,735.62 | 14.37 | 14.56 | -103.59 | -786.36 | 685.38 | 751.59 | 722.53 | 29.06 | 25.864 | |
| 5,000.00 | 4,897.35 | 4,941.95 | 4,832.15 | 14.70 | 14.90 | -103.60 | -804.88 | 697.66 | 765.30 | 735.59 | 29.72 | 25.755 | |
| 5,100.00 | 4,995.01 | 5,041.00 | 4,928.68 | 15.03 | 15.23 | -103.61 | -823.39 | 709.94 | 779.02 | 748.65 | 30.38 | 25.646 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5N-30B-M - Wellbore #1 - Design #1 | | Offset Site Error: | | 0.00 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---|-------------------|--------------------|--|-----------|
| Survey Program: | | | | | | | | | | | 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | Offset Well Error: | | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning | | |
| 5,200.00 | 5,092.67 | 5,140.06 | 5,025.21 | 15.37 | 15.57 | -103.61 | -841.90 | 722.21 | 792.74 | 761.70 | 31.04 | 25.538 | | | |
| 5,300.00 | 5,190.33 | 5,239.11 | 5,121.74 | 15.71 | 15.91 | -103.62 | -860.42 | 734.49 | 806.46 | 774.75 | 31.71 | 25.431 | | | |
| 5,400.00 | 5,287.99 | 5,338.17 | 5,218.28 | 16.05 | 16.25 | -103.63 | -878.93 | 746.77 | 820.18 | 787.79 | 32.39 | 25.325 | | | |
| 5,500.00 | 5,385.65 | 5,437.22 | 5,314.81 | 16.39 | 16.60 | -103.64 | -897.45 | 759.05 | 833.90 | 800.84 | 33.06 | 25.221 | | | |
| 5,600.00 | 5,483.31 | 5,536.27 | 5,411.34 | 16.73 | 16.94 | -103.64 | -915.96 | 771.32 | 847.62 | 813.87 | 33.75 | 25.118 | | | |
| 5,700.00 | 5,580.97 | 5,635.33 | 5,507.87 | 17.08 | 17.29 | -103.65 | -934.47 | 783.60 | 861.34 | 826.91 | 34.43 | 25.016 | | | |
| 5,800.00 | 5,678.63 | 5,734.38 | 5,604.40 | 17.42 | 17.64 | -103.66 | -952.99 | 795.88 | 875.06 | 839.94 | 35.12 | 24.916 | | | |
| 5,900.00 | 5,776.29 | 5,833.44 | 5,700.93 | 17.77 | 18.00 | -103.66 | -971.50 | 808.16 | 888.77 | 852.96 | 35.81 | 24.818 | | | |
| 6,000.00 | 5,873.95 | 5,932.49 | 5,797.46 | 18.12 | 18.35 | -103.67 | -990.02 | 820.43 | 902.49 | 865.99 | 36.51 | 24.721 | | | |
| 6,100.00 | 5,971.61 | 6,031.55 | 5,893.99 | 18.47 | 18.70 | -103.67 | -1,008.53 | 832.71 | 916.21 | 879.01 | 37.20 | 24.627 | | | |
| 6,200.00 | 6,069.26 | 6,130.60 | 5,990.53 | 18.82 | 19.06 | -103.68 | -1,027.04 | 844.99 | 929.93 | 892.03 | 37.90 | 24.534 | | | |
| 6,300.00 | 6,166.92 | 6,229.66 | 6,087.06 | 19.18 | 19.42 | -103.68 | -1,045.56 | 857.27 | 943.65 | 905.04 | 38.61 | 24.443 | | | |
| 6,400.00 | 6,264.58 | 6,333.89 | 6,168.61 | 19.53 | 22.19 | -179.51 | -1,265.99 | -61.36 | 905.03 | 875.28 | 29.75 | 30.425 | | | |
| 6,500.00 | 6,362.24 | 6,432.40 | 6,168.61 | 19.89 | 22.21 | -179.96 | -1,266.01 | -62.88 | 807.64 | 777.43 | 30.21 | 26.737 | | | |
| 6,600.00 | 6,459.90 | 6,530.92 | 6,168.62 | 20.24 | 22.22 | 179.60 | -1,266.03 | -64.40 | 710.97 | 680.23 | 30.74 | 23.125 | | | |
| 6,700.00 | 6,557.56 | 6,637.85 | 6,168.62 | 20.59 | 22.23 | -177.15 | -1,266.04 | -65.33 | 615.37 | 583.97 | 31.40 | 19.599 | | | |
| 6,800.00 | 6,654.52 | 6,734.28 | 6,168.60 | 20.88 | 22.14 | -164.72 | -1,265.91 | -54.75 | 522.09 | 489.92 | 32.17 | 16.229 | | | |
| 6,900.00 | 6,748.60 | 6,828.29 | 6,168.55 | 21.16 | 21.91 | -157.26 | -1,265.58 | -28.77 | 434.19 | 401.06 | 33.13 | 13.106 | | | |
| 7,000.00 | 6,837.47 | 6,917.53 | 6,168.48 | 21.44 | 21.56 | -151.07 | -1,265.06 | 11.98 | 355.32 | 320.90 | 34.43 | 10.321 | | | |
| 7,100.00 | 6,918.94 | 7,000.01 | 6,168.38 | 21.70 | 21.21 | -143.79 | -1,264.37 | 66.50 | 289.56 | 253.42 | 36.14 | 8.012 | | | |
| 7,200.00 | 6,991.02 | 7,071.07 | 6,168.26 | 21.95 | 21.13 | -134.43 | -1,263.53 | 133.43 | 241.03 | 202.92 | 38.11 | 6.324 | | | |
| 7,300.00 | 7,051.93 | 7,131.36 | 6,168.12 | 22.19 | 21.18 | -122.99 | -1,262.54 | 211.14 | 212.17 | 172.49 | 39.68 | 5.347 | | | |
| 7,400.00 | 7,100.16 | 7,179.69 | 6,167.58 | 22.43 | 21.29 | -110.67 | -1,261.36 | 298.80 | 200.92 | 160.66 | 40.26 | 4.990 | | | |
| 7,446.34 | 7,117.87 | 7,631.11 | 7,164.65 | 22.54 | 21.33 | -104.78 | -1,260.27 | 341.26 | 199.82 | 159.57 | 40.25 | 4.965 SF | | | |
| 7,500.00 | 7,134.53 | 7,583.37 | 7,158.06 | 22.69 | 21.38 | -98.14 | -1,258.42 | 388.49 | 201.25 | 161.30 | 39.95 | 5.037 | | | |
| 7,600.00 | 7,154.20 | 7,498.23 | 7,137.76 | 23.01 | 21.47 | -86.68 | -1,253.47 | 470.96 | 210.79 | 171.92 | 38.87 | 5.422 | | | |
| 7,700.00 | 7,158.98 | 7,417.25 | 7,108.58 | 23.42 | 21.52 | -77.17 | -1,246.91 | 546.16 | 227.18 | 189.60 | 37.58 | 6.045 | | | |
| 7,800.00 | 7,158.86 | 7,343.65 | 7,074.13 | 23.96 | 21.56 | -69.54 | -1,239.45 | 610.72 | 253.05 | 216.75 | 36.31 | 6.970 | | | |
| 7,900.00 | 7,158.74 | 7,279.28 | 7,038.16 | 24.64 | 21.58 | -62.74 | -1,231.85 | 663.52 | 291.10 | 255.69 | 35.41 | 8.220 | | | |
| 8,000.00 | 7,158.62 | 7,223.59 | 7,002.95 | 25.44 | 21.59 | -57.15 | -1,224.52 | 706.01 | 340.49 | 305.36 | 35.13 | 9.692 | | | |
| 8,100.00 | 7,158.50 | 7,175.63 | 6,969.79 | 26.35 | 21.58 | -52.70 | -1,217.69 | 739.97 | 399.39 | 364.04 | 35.35 | 11.298 | | | |
| 8,200.00 | 7,158.38 | 7,134.34 | 6,939.29 | 27.36 | 21.58 | -49.20 | -1,211.46 | 767.10 | 465.84 | 429.99 | 35.85 | 12.994 | | | |
| 8,300.00 | 7,158.26 | 7,100.00 | 6,912.66 | 28.43 | 21.56 | -46.53 | -1,206.05 | 788.08 | 538.17 | 501.69 | 36.48 | 14.752 | | | |
| 8,400.00 | 7,158.15 | 7,067.80 | 6,886.71 | 29.58 | 21.55 | -44.23 | -1,200.80 | 806.40 | 615.09 | 578.02 | 37.07 | 16.592 | | | |
| 8,500.00 | 7,158.03 | 7,050.00 | 6,871.98 | 30.77 | 21.54 | -43.04 | -1,197.84 | 815.94 | 695.73 | 657.94 | 37.79 | 18.412 | | | |
| 8,600.00 | 7,157.91 | 7,017.31 | 6,844.27 | 32.02 | 21.51 | -41.00 | -1,192.28 | 832.36 | 778.98 | 740.81 | 38.18 | 20.405 | | | |
| 8,700.00 | 7,157.79 | 7,000.00 | 6,829.27 | 33.30 | 21.50 | -39.99 | -1,189.28 | 840.46 | 864.67 | 825.99 | 38.69 | 22.352 | | | |
| 8,800.00 | 7,157.67 | 6,978.14 | 6,810.02 | 34.62 | 21.48 | -38.78 | -1,185.44 | 850.09 | 952.19 | 913.13 | 39.06 | 24.377 | | | |
| 8,900.00 | 7,157.55 | 6,950.00 | 6,784.79 | 35.97 | 21.45 | -37.33 | -1,180.42 | 861.49 | 1,041.44 | 1,002.11 | 39.33 | 26.479 | | | |
| 9,000.00 | 7,157.43 | 6,950.00 | 6,784.79 | 37.35 | 21.45 | -37.33 | -1,180.42 | 861.49 | 1,131.62 | 1,091.84 | 39.78 | 28.446 | | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5N-30C-M - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 0.00 | 0.00 | 1.00 | -1.00 | 3.28 | 3.28 | 67.75 | 61.20 | 149.61 | 161.65 | | | | |
| 100.00 | 100.00 | 101.00 | 99.00 | 3.28 | 3.28 | 67.75 | 61.20 | 149.61 | 161.65 | 154.12 | 7.53 | 21.470 | |
| 200.00 | 200.00 | 199.00 | 199.00 | 3.31 | 3.30 | 67.75 | 61.20 | 149.61 | 161.65 | 154.07 | 7.57 | 21.344 | CC, ES |
| 300.00 | 299.98 | 296.97 | 296.95 | 3.34 | 3.34 | -115.08 | 60.02 | 150.75 | 163.00 | 155.35 | 7.65 | 21.303 | |
| 400.00 | 399.84 | 394.82 | 394.67 | 3.40 | 3.40 | -115.01 | 56.42 | 154.20 | 167.09 | 159.33 | 7.77 | 21.516 | |
| 500.00 | 499.45 | 492.45 | 491.94 | 3.49 | 3.49 | -114.89 | 50.44 | 159.94 | 173.91 | 165.97 | 7.93 | 21.927 | |
| 600.00 | 598.70 | 589.77 | 588.57 | 3.60 | 3.59 | -114.72 | 42.09 | 167.94 | 183.43 | 175.27 | 8.16 | 22.493 | |
| 700.00 | 697.47 | 686.67 | 684.33 | 3.75 | 3.74 | -114.51 | 31.44 | 178.16 | 195.64 | 187.19 | 8.45 | 23.163 | |
| 800.00 | 795.62 | 784.94 | 781.06 | 3.95 | 3.93 | -114.50 | 18.90 | 190.18 | 210.18 | 201.37 | 8.81 | 23.847 | |
| 900.00 | 893.30 | 883.68 | 878.22 | 4.18 | 4.14 | -115.20 | 6.22 | 202.34 | 225.78 | 216.53 | 9.25 | 24.409 | |
| 1,000.00 | 990.96 | 982.41 | 975.37 | 4.45 | 4.39 | -115.87 | -6.46 | 214.50 | 241.44 | 231.71 | 9.74 | 24.801 | |
| 1,100.00 | 1,088.62 | 1,081.13 | 1,072.52 | 4.74 | 4.65 | -116.46 | -19.14 | 226.66 | 257.13 | 246.87 | 10.26 | 25.052 | |
| 1,200.00 | 1,186.28 | 1,179.86 | 1,169.67 | 5.05 | 4.93 | -116.99 | -31.82 | 238.82 | 272.85 | 262.02 | 10.83 | 25.196 | |
| 1,300.00 | 1,283.94 | 1,278.59 | 1,266.83 | 5.38 | 5.23 | -117.46 | -44.50 | 250.98 | 288.58 | 277.16 | 11.43 | 25.259 | |
| 1,400.00 | 1,381.60 | 1,377.32 | 1,363.98 | 5.73 | 5.53 | -117.88 | -57.18 | 263.14 | 304.34 | 292.29 | 12.05 | 25.265 | |
| 1,500.00 | 1,479.26 | 1,476.05 | 1,461.13 | 6.08 | 5.85 | -118.25 | -69.86 | 275.30 | 320.10 | 307.41 | 12.69 | 25.227 | |
| 1,600.00 | 1,576.92 | 1,574.78 | 1,558.29 | 6.45 | 6.18 | -118.60 | -82.54 | 287.46 | 335.88 | 322.53 | 13.35 | 25.161 | |
| 1,700.00 | 1,674.58 | 1,673.50 | 1,655.44 | 6.82 | 6.52 | -118.91 | -95.22 | 299.62 | 351.67 | 337.65 | 14.03 | 25.074 | |
| 1,800.00 | 1,772.24 | 1,772.23 | 1,752.59 | 7.21 | 6.86 | -119.19 | -107.90 | 311.78 | 367.47 | 352.76 | 14.71 | 24.974 | |
| 1,900.00 | 1,869.90 | 1,870.96 | 1,849.74 | 7.42 | 7.09 | -119.46 | -120.58 | 323.94 | 383.28 | 368.52 | 14.76 | 25.968 | |
| 2,000.00 | 1,967.56 | 1,969.69 | 1,946.90 | 7.47 | 7.18 | -119.70 | -133.26 | 336.10 | 399.09 | 384.20 | 14.89 | 26.810 | |
| 2,100.00 | 2,065.22 | 2,068.42 | 2,044.05 | 7.54 | 7.23 | -119.92 | -145.94 | 348.26 | 414.91 | 399.91 | 15.00 | 27.662 | |
| 2,200.00 | 2,162.88 | 2,167.15 | 2,141.20 | 7.63 | 7.30 | -120.13 | -158.62 | 360.42 | 430.74 | 415.59 | 15.15 | 28.437 | |
| 2,300.00 | 2,260.54 | 2,265.87 | 2,238.35 | 7.74 | 7.38 | -120.32 | -171.30 | 372.58 | 446.57 | 431.24 | 15.33 | 29.134 | |
| 2,400.00 | 2,358.20 | 2,364.60 | 2,335.51 | 7.87 | 7.49 | -120.50 | -183.98 | 384.74 | 462.40 | 446.86 | 15.54 | 29.754 | |
| 2,500.00 | 2,455.85 | 2,463.33 | 2,432.66 | 8.01 | 7.60 | -120.66 | -196.66 | 396.90 | 478.24 | 462.46 | 15.78 | 30.299 | |
| 2,600.00 | 2,553.51 | 2,562.06 | 2,529.81 | 8.17 | 7.73 | -120.82 | -209.34 | 409.06 | 494.09 | 478.03 | 16.06 | 30.771 | |
| 2,700.00 | 2,651.17 | 2,660.79 | 2,626.96 | 8.34 | 7.87 | -120.96 | -222.02 | 421.22 | 509.94 | 493.58 | 16.36 | 31.175 | |
| 2,800.00 | 2,748.83 | 2,759.52 | 2,724.12 | 8.52 | 8.03 | -121.10 | -234.70 | 433.38 | 525.79 | 509.10 | 16.68 | 31.514 | |
| 2,900.00 | 2,846.49 | 2,858.24 | 2,821.27 | 8.72 | 8.20 | -121.23 | -247.38 | 445.54 | 541.64 | 524.60 | 17.03 | 31.796 | |
| 3,000.00 | 2,944.15 | 2,956.97 | 2,918.42 | 8.93 | 8.37 | -121.35 | -260.06 | 457.70 | 557.49 | 540.08 | 17.41 | 32.023 | |
| 3,100.00 | 3,041.81 | 3,055.70 | 3,015.58 | 9.16 | 8.56 | -121.47 | -272.74 | 469.85 | 573.35 | 555.55 | 17.80 | 32.202 | |
| 3,200.00 | 3,139.47 | 3,154.43 | 3,112.73 | 9.39 | 8.76 | -121.58 | -285.42 | 482.01 | 589.21 | 570.99 | 18.22 | 32.338 | |
| 3,300.00 | 3,237.13 | 3,253.16 | 3,209.88 | 9.63 | 8.97 | -121.68 | -298.10 | 494.17 | 605.07 | 586.42 | 18.65 | 32.436 | |
| 3,400.00 | 3,334.79 | 3,351.89 | 3,307.03 | 9.88 | 9.19 | -121.78 | -310.78 | 506.33 | 620.94 | 601.83 | 19.11 | 32.500 | |
| 3,500.00 | 3,432.45 | 3,450.61 | 3,404.19 | 10.14 | 9.41 | -121.87 | -323.46 | 518.49 | 636.80 | 617.23 | 19.57 | 32.534 | |
| 3,600.00 | 3,530.11 | 3,549.34 | 3,501.34 | 10.41 | 9.64 | -121.96 | -336.14 | 530.65 | 652.67 | 632.61 | 20.06 | 32.542 | |
| 3,700.00 | 3,627.77 | 3,648.07 | 3,598.49 | 10.68 | 9.88 | -122.05 | -348.82 | 542.81 | 668.54 | 647.98 | 20.55 | 32.528 | |
| 3,800.00 | 3,725.43 | 3,746.80 | 3,695.64 | 10.96 | 10.13 | -122.13 | -361.50 | 554.97 | 684.41 | 663.34 | 21.06 | 32.495 | |
| 3,900.00 | 3,823.09 | 3,845.53 | 3,792.80 | 11.25 | 10.38 | -122.20 | -374.18 | 567.13 | 700.28 | 678.69 | 21.58 | 32.445 | |
| 4,000.00 | 3,920.75 | 3,944.25 | 3,889.95 | 11.54 | 10.64 | -122.28 | -386.86 | 579.29 | 716.15 | 694.03 | 22.12 | 32.382 | |
| 4,100.00 | 4,018.41 | 4,042.98 | 3,987.10 | 11.84 | 10.90 | -122.35 | -399.54 | 591.45 | 732.02 | 709.36 | 22.66 | 32.307 | |
| 4,200.00 | 4,116.07 | 4,141.71 | 4,084.25 | 12.14 | 11.17 | -122.41 | -412.22 | 603.61 | 747.90 | 724.69 | 23.21 | 32.222 | |
| 4,300.00 | 4,213.73 | 4,240.44 | 4,181.41 | 12.45 | 11.44 | -122.48 | -424.90 | 615.77 | 763.77 | 740.00 | 23.77 | 32.130 | |
| 4,400.00 | 4,311.39 | 4,339.17 | 4,278.56 | 12.76 | 11.71 | -122.54 | -437.58 | 627.93 | 779.65 | 755.31 | 24.34 | 32.031 | |
| 4,500.00 | 4,409.05 | 4,437.90 | 4,375.71 | 13.08 | 11.99 | -122.60 | -450.26 | 640.09 | 795.52 | 770.61 | 24.92 | 31.927 | |
| 4,600.00 | 4,506.71 | 4,536.62 | 4,472.86 | 13.40 | 12.28 | -122.66 | -462.94 | 652.25 | 811.40 | 785.90 | 25.50 | 31.818 | |
| 4,700.00 | 4,604.37 | 4,635.35 | 4,570.02 | 13.72 | 12.56 | -122.71 | -475.62 | 664.41 | 827.28 | 801.19 | 26.09 | 31.707 | |
| 4,800.00 | 4,702.03 | 4,734.08 | 4,667.17 | 14.04 | 12.85 | -122.77 | -488.30 | 676.57 | 843.16 | 816.47 | 26.69 | 31.593 | |
| 4,900.00 | 4,799.69 | 4,832.81 | 4,764.32 | 14.37 | 13.14 | -122.82 | -500.98 | 688.73 | 859.04 | 831.75 | 27.29 | 31.477 | |
| 5,000.00 | 4,897.35 | 4,931.54 | 4,861.48 | 14.70 | 13.44 | -122.87 | -513.66 | 700.89 | 874.92 | 847.02 | 27.90 | 31.361 | |
| 5,100.00 | 4,995.01 | 5,030.27 | 4,958.63 | 15.03 | 13.74 | -122.91 | -526.34 | 713.05 | 890.80 | 862.29 | 28.51 | 31.244 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5N-30C-M - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|--|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|---------------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,200.00 | 5,092.67 | 5,128.99 | 5,055.78 | 15.37 | 14.04 | -122.96 | -539.02 | 725.21 | 906.68 | 877.55 | 29.13 | 31.126 | | |
| 5,300.00 | 5,190.33 | 5,227.72 | 5,152.93 | 15.71 | 14.34 | -123.00 | -551.69 | 737.37 | 922.56 | 892.81 | 29.75 | 31.010 | | |
| 5,400.00 | 5,287.99 | 5,326.45 | 5,250.09 | 16.05 | 14.64 | -123.04 | -564.37 | 749.53 | 938.45 | 908.07 | 30.38 | 30.893 | | |
| 5,500.00 | 5,385.65 | 5,425.18 | 5,347.24 | 16.39 | 14.95 | -123.09 | -577.05 | 761.69 | 954.33 | 923.32 | 31.01 | 30.778 | | |
| 5,600.00 | 5,483.31 | 5,523.91 | 5,444.39 | 16.73 | 15.26 | -123.13 | -589.73 | 773.85 | 970.21 | 938.57 | 31.64 | 30.663 | | |
| 5,700.00 | 5,580.97 | 5,622.64 | 5,541.54 | 17.08 | 15.57 | -123.16 | -602.41 | 786.01 | 986.10 | 953.82 | 32.28 | 30.550 | | |
| 5,800.00 | 5,678.63 | 5,721.36 | 5,638.70 | 17.42 | 15.88 | -123.20 | -615.09 | 798.17 | 1,001.98 | 969.06 | 32.92 | 30.438 | | |
| 5,900.00 | 5,776.29 | 5,820.09 | 5,735.85 | 17.77 | 16.19 | -123.24 | -627.77 | 810.33 | 1,017.87 | 984.31 | 33.56 | 30.328 | | |
| 6,000.00 | 5,873.95 | 5,918.82 | 5,833.00 | 18.12 | 16.51 | -123.27 | -640.45 | 822.49 | 1,033.75 | 999.54 | 34.21 | 30.219 | | |
| 6,100.00 | 5,971.61 | 6,017.55 | 5,930.15 | 18.47 | 16.83 | -123.31 | -653.13 | 834.65 | 1,049.64 | 1,014.78 | 34.86 | 30.113 | | |
| 6,200.00 | 6,069.26 | 6,116.28 | 6,027.31 | 18.82 | 17.14 | -123.34 | -665.81 | 846.81 | 1,065.52 | 1,030.02 | 35.51 | 30.007 | | |
| 6,300.00 | 6,166.92 | 6,215.01 | 6,124.46 | 19.18 | 17.46 | -123.37 | -678.49 | 858.97 | 1,081.41 | 1,045.25 | 36.16 | 29.904 | | |
| 6,400.00 | 6,264.58 | 6,312.45 | 6,223.69 | 19.53 | 17.77 | -123.40 | -691.17 | 871.13 | 1,097.30 | 1,060.14 | 36.81 | 29.800 | | |
| 6,500.00 | 6,362.24 | 6,410.12 | 6,323.69 | 19.89 | 18.08 | -123.43 | -703.85 | 883.29 | 1,113.19 | 1,075.03 | 37.46 | 29.696 | | |
| 6,600.00 | 6,459.90 | 6,507.78 | 6,427.69 | 20.24 | 18.39 | -123.46 | -716.53 | 895.45 | 1,129.08 | 1,082.72 | 38.11 | 29.592 | | |
| 6,700.00 | 6,557.56 | 6,605.44 | 6,527.69 | 20.59 | 18.70 | -123.49 | -729.21 | 907.61 | 1,144.97 | 1,090.41 | 38.76 | 29.488 | | |
| 6,800.00 | 6,655.22 | 6,703.10 | 6,627.70 | 20.94 | 19.01 | -123.52 | -741.89 | 919.77 | 1,160.86 | 1,106.30 | 39.41 | 29.384 | | |
| 6,900.00 | 6,752.88 | 6,800.76 | 6,727.72 | 21.29 | 19.32 | -123.55 | -754.57 | 931.93 | 1,176.75 | 1,122.19 | 40.06 | 29.280 | | |
| 7,000.00 | 6,850.54 | 6,898.42 | 6,833.00 | 21.64 | 19.63 | -123.58 | -767.25 | 944.09 | 1,192.64 | 1,137.68 | 40.71 | 29.176 | | |
| 7,100.00 | 6,948.20 | 6,996.08 | 6,927.81 | 21.99 | 19.94 | -123.61 | -779.93 | 956.25 | 1,208.53 | 1,153.17 | 41.36 | 29.072 | | |
| 7,200.00 | 7,045.86 | 7,093.74 | 7,027.87 | 22.34 | 20.25 | -123.64 | -792.61 | 968.41 | 1,224.42 | 1,168.66 | 42.01 | 28.968 | | |
| 7,300.00 | 7,143.52 | 7,191.40 | 7,127.94 | 22.69 | 20.56 | -123.67 | -805.29 | 980.57 | 1,240.31 | 1,184.15 | 42.66 | 28.864 | | |
| 7,400.00 | 7,241.18 | 7,289.06 | 7,227.47 | 23.04 | 20.87 | -123.70 | -817.97 | 992.73 | 1,256.20 | 1,199.64 | 43.31 | 28.760 | | |
| 7,412.32 | 7,105.16 | 7,666.78 | 7,236.88 | 22.46 | 19.20 | -103.00 | -822.25 | 315.49 | 643.01 | 603.99 | 39.02 | 16.479 SF | | |
| 7,500.00 | 7,134.53 | 7,584.86 | 7,226.85 | 22.69 | 19.21 | -98.95 | -821.11 | 396.74 | 643.80 | 604.79 | 39.01 | 16.502 | | |
| 7,600.00 | 7,154.20 | 7,496.90 | 7,204.67 | 23.01 | 19.25 | -94.85 | -818.40 | 481.74 | 646.44 | 607.36 | 39.07 | 16.544 | | |
| 7,700.00 | 7,158.98 | 7,413.69 | 7,173.19 | 23.42 | 19.29 | -91.34 | -814.46 | 558.60 | 650.59 | 611.41 | 39.18 | 16.605 | | |
| 7,800.00 | 7,158.86 | 7,338.57 | 7,136.46 | 23.96 | 19.32 | -88.12 | -809.81 | 623.91 | 658.30 | 619.05 | 39.25 | 16.773 | | |
| 7,900.00 | 7,158.74 | 7,273.36 | 7,098.57 | 24.64 | 19.34 | -84.86 | -804.99 | 676.73 | 672.05 | 632.84 | 39.21 | 17.139 | | |
| 8,000.00 | 7,158.62 | 7,217.33 | 7,061.88 | 25.44 | 19.35 | -81.78 | -800.30 | 718.79 | 693.17 | 654.08 | 39.09 | 17.733 | | |
| 8,100.00 | 7,158.50 | 7,169.38 | 7,027.68 | 26.35 | 19.36 | -78.99 | -795.92 | 752.09 | 722.36 | 683.44 | 38.92 | 18.561 | | |
| 8,200.00 | 7,158.38 | 7,128.32 | 6,996.48 | 27.36 | 19.36 | -76.52 | -791.91 | 778.48 | 759.73 | 720.98 | 38.75 | 19.606 | | |
| 8,300.00 | 7,158.26 | 7,100.00 | 6,974.01 | 28.43 | 19.36 | -74.79 | -789.02 | 795.47 | 804.94 | 766.30 | 38.64 | 20.830 | | |
| 8,400.00 | 7,158.15 | 7,062.56 | 6,943.20 | 29.58 | 19.35 | -72.48 | -785.05 | 816.35 | 857.16 | 818.64 | 38.53 | 22.249 | | |
| 8,500.00 | 7,158.03 | 7,036.10 | 6,920.72 | 30.77 | 19.34 | -70.85 | -782.15 | 829.99 | 915.73 | 877.24 | 38.49 | 23.791 | | |
| 8,600.00 | 7,157.91 | 7,012.98 | 6,900.63 | 32.02 | 19.33 | -69.44 | -779.55 | 841.13 | 979.77 | 941.27 | 38.50 | 25.448 | | |
| 8,700.00 | 7,157.79 | 7,000.00 | 6,889.17 | 33.30 | 19.32 | -68.64 | -778.07 | 847.06 | 1,048.53 | 1,009.95 | 38.58 | 27.178 | | |
| 8,800.00 | 7,157.67 | 6,974.69 | 6,866.51 | 34.62 | 19.31 | -67.11 | -775.15 | 857.94 | 1,121.14 | 1,082.52 | 38.62 | 29.034 | | |
| 8,900.00 | 7,157.55 | 6,950.00 | 6,844.01 | 35.97 | 19.29 | -65.64 | -772.23 | 867.66 | 1,197.25 | 1,158.59 | 38.67 | 30.963 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | -0.27 | 60.11 | -0.28 | 60.11 | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | -0.27 | 60.11 | -0.28 | 60.11 | 52.58 | 7.53 | 7.984 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | -0.27 | 60.11 | -0.28 | 60.11 | 52.54 | 7.57 | 7.936 | |
| 300.00 | 299.98 | 302.14 | 302.11 | 3.34 | 3.35 | 176.84 | 58.29 | -0.42 | 60.08 | 52.42 | 7.65 | 7.852 | |
| 400.00 | 399.84 | 404.27 | 404.10 | 3.40 | 3.41 | 176.70 | 52.85 | -0.82 | 59.97 | 52.22 | 7.75 | 7.734 | |
| 500.00 | 499.45 | 506.40 | 505.81 | 3.49 | 3.50 | 176.47 | 43.79 | -1.51 | 59.80 | 51.91 | 7.90 | 7.574 | |
| 560.75 | 559.79 | 568.43 | 567.42 | 3.55 | 3.56 | 176.29 | 36.52 | -2.05 | 59.67 | 51.67 | 8.00 | 7.457 | CC, ES |
| 600.00 | 598.70 | 607.54 | 606.21 | 3.60 | 3.61 | 176.18 | 31.62 | -2.42 | 59.94 | 51.86 | 8.09 | 7.411 | |
| 700.00 | 697.47 | 707.49 | 705.37 | 3.75 | 3.75 | 176.08 | 19.07 | -3.36 | 63.05 | 54.71 | 8.34 | 7.561 | |
| 800.00 | 795.62 | 807.26 | 804.35 | 3.95 | 3.92 | 176.18 | 6.55 | -4.31 | 69.64 | 61.00 | 8.64 | 8.064 | |
| 900.00 | 893.30 | 906.86 | 903.15 | 4.18 | 4.11 | 176.38 | -5.95 | -5.25 | 78.61 | 69.64 | 8.97 | 8.763 | |
| 1,000.00 | 990.96 | 1,006.45 | 1,001.95 | 4.45 | 4.32 | 176.55 | -18.45 | -6.19 | 87.66 | 78.33 | 9.34 | 9.390 | |
| 1,100.00 | 1,088.62 | 1,106.04 | 1,100.75 | 4.74 | 4.55 | 176.68 | -30.94 | -7.12 | 96.72 | 86.99 | 9.73 | 9.939 | |
| 1,200.00 | 1,186.28 | 1,205.63 | 1,199.55 | 5.05 | 4.79 | 176.79 | -43.44 | -8.06 | 105.77 | 95.62 | 10.15 | 10.419 | |
| 1,300.00 | 1,283.94 | 1,305.22 | 1,298.34 | 5.38 | 5.04 | 176.89 | -55.94 | -9.00 | 114.82 | 104.23 | 10.60 | 10.837 | |
| 1,400.00 | 1,381.60 | 1,404.80 | 1,397.14 | 5.73 | 5.30 | 176.97 | -68.44 | -9.94 | 123.88 | 112.82 | 11.06 | 11.202 | |
| 1,500.00 | 1,479.26 | 1,504.39 | 1,495.94 | 6.08 | 5.57 | 177.04 | -80.94 | -10.88 | 132.93 | 121.39 | 11.54 | 11.521 | |
| 1,600.00 | 1,576.92 | 1,603.98 | 1,594.74 | 6.45 | 5.84 | 177.10 | -93.44 | -11.82 | 141.99 | 129.95 | 12.03 | 11.800 | |
| 1,700.00 | 1,674.58 | 1,703.57 | 1,693.53 | 6.82 | 6.13 | 177.15 | -105.93 | -12.76 | 151.04 | 138.50 | 12.54 | 12.045 | |
| 1,800.00 | 1,772.24 | 1,803.16 | 1,792.33 | 7.21 | 6.41 | 177.20 | -118.43 | -13.70 | 160.09 | 147.04 | 13.05 | 12.263 | |
| 1,900.00 | 1,869.90 | 1,902.75 | 1,891.13 | 7.42 | 6.56 | 177.24 | -130.93 | -14.64 | 169.15 | 156.20 | 12.94 | 13.067 | |
| 2,000.00 | 1,967.56 | 2,002.34 | 1,989.92 | 7.47 | 6.59 | 177.28 | -143.43 | -15.58 | 178.20 | 165.23 | 12.98 | 13.732 | |
| 2,100.00 | 2,065.22 | 2,101.93 | 2,088.72 | 7.54 | 6.64 | 177.31 | -155.93 | -16.52 | 187.26 | 174.22 | 13.04 | 14.359 | |
| 2,200.00 | 2,162.88 | 2,201.52 | 2,187.52 | 7.63 | 6.70 | 177.34 | -168.42 | -17.46 | 196.31 | 183.18 | 13.14 | 14.944 | |
| 2,300.00 | 2,260.54 | 2,301.11 | 2,286.32 | 7.74 | 6.77 | 177.37 | -180.92 | -18.40 | 205.37 | 192.11 | 13.26 | 15.485 | |
| 2,400.00 | 2,358.20 | 2,400.70 | 2,385.11 | 7.87 | 6.86 | 177.40 | -193.42 | -19.34 | 214.42 | 201.01 | 13.42 | 15.980 | |
| 2,500.00 | 2,455.85 | 2,500.29 | 2,483.91 | 8.01 | 6.96 | 177.42 | -205.92 | -20.28 | 223.48 | 209.88 | 13.60 | 16.430 | |
| 2,600.00 | 2,553.51 | 2,600.13 | 2,582.71 | 8.17 | 7.08 | 177.44 | -218.42 | -21.22 | 232.53 | 218.72 | 13.81 | 16.835 | |
| 2,700.00 | 2,651.17 | 2,700.54 | 2,681.51 | 8.34 | 7.21 | 177.46 | -230.92 | -22.16 | 241.59 | 227.54 | 14.05 | 17.194 | |
| 2,800.00 | 2,748.83 | 2,799.05 | 2,780.30 | 8.52 | 7.34 | 177.48 | -243.41 | -23.10 | 250.64 | 236.33 | 14.31 | 17.514 | |
| 2,900.00 | 2,846.49 | 2,901.36 | 2,879.10 | 8.72 | 7.50 | 177.50 | -255.91 | -24.04 | 259.70 | 245.10 | 14.60 | 17.789 | |
| 3,000.00 | 2,944.15 | 3,001.77 | 2,977.90 | 8.93 | 7.66 | 177.52 | -268.41 | -24.98 | 268.75 | 253.85 | 14.91 | 18.029 | |
| 3,100.00 | 3,041.81 | 3,102.18 | 3,076.70 | 9.16 | 7.83 | 177.53 | -280.91 | -25.92 | 277.81 | 262.57 | 15.24 | 18.234 | |
| 3,200.00 | 3,139.47 | 3,202.59 | 3,175.49 | 9.39 | 8.01 | 177.54 | -293.41 | -26.86 | 286.86 | 271.28 | 15.58 | 18.408 | |
| 3,300.00 | 3,237.13 | 3,303.00 | 3,274.29 | 9.63 | 8.20 | 177.56 | -305.91 | -27.80 | 295.92 | 279.97 | 15.95 | 18.554 | |
| 3,400.00 | 3,334.79 | 3,403.41 | 3,373.09 | 9.88 | 8.40 | 177.57 | -318.40 | -28.74 | 304.97 | 288.64 | 16.33 | 18.674 | |
| 3,500.00 | 3,432.45 | 3,503.82 | 3,471.88 | 10.14 | 8.60 | 177.58 | -330.90 | -29.68 | 314.03 | 297.30 | 16.73 | 18.771 | |
| 3,600.00 | 3,530.11 | 3,604.23 | 3,570.68 | 10.41 | 8.82 | 177.59 | -343.40 | -30.62 | 323.08 | 305.94 | 17.14 | 18.848 | |
| 3,700.00 | 3,627.77 | 3,704.64 | 3,669.48 | 10.68 | 9.04 | 177.60 | -355.90 | -31.56 | 332.14 | 314.57 | 17.57 | 18.907 | |
| 3,800.00 | 3,725.43 | 3,805.06 | 3,768.28 | 10.96 | 9.26 | 177.61 | -368.40 | -32.50 | 341.19 | 323.19 | 18.01 | 18.950 | |
| 3,900.00 | 3,823.09 | 3,905.47 | 3,867.07 | 11.25 | 9.49 | 177.62 | -380.90 | -33.44 | 350.25 | 331.80 | 18.45 | 18.979 | |
| 4,000.00 | 3,920.75 | 4,005.88 | 3,965.87 | 11.54 | 9.73 | 177.63 | -393.39 | -34.38 | 359.31 | 340.39 | 18.91 | 18.996 | |
| 4,100.00 | 4,018.41 | 4,106.29 | 4,064.67 | 11.84 | 9.97 | 177.64 | -405.89 | -35.32 | 368.36 | 348.98 | 19.38 | 19.003 | |
| 4,200.00 | 4,116.07 | 4,206.70 | 4,163.47 | 12.14 | 10.21 | 177.65 | -418.39 | -36.26 | 377.42 | 357.55 | 19.86 | 19.000 | |
| 4,300.00 | 4,213.73 | 4,307.11 | 4,262.26 | 12.45 | 10.46 | 177.66 | -430.89 | -37.20 | 386.47 | 366.12 | 20.35 | 18.990 | |
| 4,400.00 | 4,311.39 | 4,407.52 | 4,361.06 | 12.76 | 10.71 | 177.67 | -443.39 | -38.14 | 395.53 | 374.68 | 20.85 | 18.973 | |
| 4,500.00 | 4,409.05 | 4,507.93 | 4,459.86 | 13.08 | 10.97 | 177.67 | -455.89 | -39.08 | 404.58 | 383.23 | 21.35 | 18.951 | |
| 4,600.00 | 4,506.71 | 4,591.66 | 4,558.66 | 13.40 | 11.18 | 177.68 | -468.38 | -40.02 | 413.64 | 391.82 | 21.82 | 18.958 | |
| 4,700.00 | 4,604.37 | 4,708.75 | 4,657.45 | 13.72 | 11.49 | 177.69 | -480.88 | -40.96 | 422.69 | 400.32 | 22.37 | 18.892 | |
| 4,800.00 | 4,702.03 | 4,809.16 | 4,756.25 | 14.04 | 11.76 | 177.69 | -493.38 | -41.90 | 431.75 | 408.85 | 22.90 | 18.857 | |
| 4,900.00 | 4,799.69 | 4,909.58 | 4,855.05 | 14.37 | 12.02 | 177.70 | -505.88 | -42.84 | 440.80 | 417.38 | 23.42 | 18.819 | |
| 5,000.00 | 4,897.35 | 5,009.99 | 4,953.84 | 14.70 | 12.30 | 177.70 | -518.38 | -43.78 | 449.86 | 425.90 | 23.95 | 18.779 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8C-27-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,100.00 | 4,995.01 | 5,089.60 | 5,052.64 | 15.03 | 12.51 | 177.71 | -530.88 | -44.71 | 458.91 | 434.47 | 24.44 | 18.778 | | |
| 5,200.00 | 5,092.67 | 5,189.19 | 5,151.44 | 15.37 | 12.78 | 177.72 | -543.37 | -45.65 | 467.97 | 442.99 | 24.98 | 18.735 | | |
| 5,300.00 | 5,190.33 | 5,288.78 | 5,250.24 | 15.71 | 13.06 | 177.72 | -555.87 | -46.59 | 477.02 | 451.50 | 25.52 | 18.691 | | |
| 5,400.00 | 5,287.99 | 5,388.37 | 5,349.03 | 16.05 | 13.34 | 177.73 | -568.37 | -47.53 | 486.08 | 460.01 | 26.07 | 18.647 | | |
| 5,500.00 | 5,385.65 | 5,487.96 | 5,447.83 | 16.39 | 13.62 | 177.73 | -580.87 | -48.47 | 495.13 | 468.52 | 26.62 | 18.601 | | |
| 5,600.00 | 5,483.31 | 5,587.55 | 5,546.63 | 16.73 | 13.90 | 177.73 | -593.37 | -49.41 | 504.19 | 477.02 | 27.17 | 18.555 | | |
| 5,700.00 | 5,580.97 | 5,687.14 | 5,645.43 | 17.08 | 14.18 | 177.74 | -605.86 | -50.35 | 513.25 | 485.52 | 27.73 | 18.509 | | |
| 5,800.00 | 5,678.63 | 5,786.73 | 5,744.22 | 17.42 | 14.46 | 177.74 | -618.36 | -51.29 | 522.30 | 494.01 | 28.29 | 18.463 | | |
| 5,900.00 | 5,776.29 | 5,886.32 | 5,843.02 | 17.77 | 14.75 | 177.75 | -630.86 | -52.23 | 531.36 | 502.50 | 28.85 | 18.416 | | |
| 6,000.00 | 5,873.95 | 5,985.91 | 5,941.82 | 18.12 | 15.03 | 177.75 | -643.36 | -53.17 | 540.41 | 510.99 | 29.42 | 18.370 | | |
| 6,100.00 | 5,971.61 | 6,085.50 | 6,040.61 | 18.47 | 15.32 | 177.76 | -655.86 | -54.11 | 549.47 | 519.48 | 29.99 | 18.324 | | |
| 6,200.00 | 6,069.26 | 6,185.08 | 6,139.41 | 18.82 | 15.61 | 177.76 | -668.36 | -55.05 | 558.52 | 527.97 | 30.56 | 18.278 | | |
| 6,300.00 | 6,166.92 | 6,284.67 | 6,238.21 | 19.18 | 15.90 | 177.76 | -680.85 | -55.99 | 567.58 | 536.45 | 31.13 | 18.233 | | |
| 6,400.00 | 6,264.58 | 6,384.26 | 6,337.01 | 19.53 | 16.19 | 177.77 | -693.35 | -56.93 | 576.63 | 544.93 | 31.70 | 18.188 | | |
| 6,500.00 | 6,362.24 | 6,483.85 | 6,435.80 | 19.89 | 16.48 | 177.77 | -705.85 | -57.87 | 585.69 | 553.41 | 32.28 | 18.143 | | |
| 6,600.00 | 6,459.90 | 6,583.44 | 6,534.60 | 20.24 | 16.78 | 177.77 | -718.35 | -58.81 | 594.74 | 561.88 | 32.86 | 18.099 | | |
| 6,700.00 | 6,557.56 | 6,683.02 | 6,633.39 | 20.59 | 17.07 | -170.99 | -730.85 | -59.75 | 603.79 | 570.36 | 33.44 | 18.058 | | |
| 6,800.00 | 6,654.52 | 6,781.58 | 6,731.17 | 20.88 | 17.36 | -139.11 | -743.21 | -60.53 | 612.82 | 578.84 | 33.98 | 18.033 | | |
| 6,900.00 | 6,748.60 | 6,879.46 | 6,827.82 | 21.16 | 17.60 | -123.39 | -755.20 | -51.82 | 622.29 | 587.81 | 34.48 | 18.047 | | |
| 7,000.00 | 6,837.47 | 6,980.11 | 6,924.67 | 21.44 | 17.83 | -115.71 | -766.80 | -27.43 | 632.18 | 597.23 | 34.96 | 18.086 | | |
| 7,100.00 | 6,918.94 | 7,083.80 | 7,019.22 | 21.70 | 18.07 | -111.62 | -777.71 | 13.42 | 642.24 | 606.82 | 35.42 | 18.134 | | |
| 7,200.00 | 6,991.02 | 7,190.73 | 7,108.55 | 21.95 | 18.30 | -109.32 | -787.52 | 71.13 | 652.14 | 616.23 | 35.90 | 18.164 | | |
| 7,300.00 | 7,051.93 | 7,301.00 | 7,189.36 | 22.19 | 18.52 | -107.99 | -795.84 | 145.50 | 661.55 | 625.06 | 36.48 | 18.133 | | |
| 7,400.00 | 7,100.16 | 7,414.57 | 7,258.04 | 22.43 | 18.74 | -107.24 | -802.23 | 235.53 | 670.10 | 632.85 | 37.25 | 17.988 | | |
| 7,500.00 | 7,134.53 | 7,531.19 | 7,310.96 | 22.69 | 19.00 | -106.85 | -806.28 | 339.19 | 677.46 | 639.15 | 38.30 | 17.687 | | |
| 7,600.00 | 7,154.20 | 7,650.41 | 7,344.80 | 23.01 | 19.39 | -106.70 | -807.66 | 453.31 | 683.28 | 643.59 | 39.69 | 17.214 | | |
| 7,700.00 | 7,158.98 | 7,771.52 | 7,356.99 | 23.42 | 20.04 | -106.75 | -806.14 | 573.62 | 687.29 | 645.86 | 41.43 | 16.590 | | |
| 7,800.00 | 7,158.86 | 7,872.08 | 7,357.13 | 23.96 | 20.77 | -106.70 | -803.61 | 674.15 | 690.03 | 646.91 | 43.12 | 16.004 | | |
| 7,900.00 | 7,158.74 | 7,972.05 | 7,357.27 | 24.64 | 21.64 | -106.66 | -801.09 | 774.08 | 692.77 | 647.81 | 44.96 | 15.408 | | |
| 8,000.00 | 7,158.62 | 8,072.01 | 7,357.41 | 25.44 | 22.61 | -106.61 | -798.58 | 874.01 | 695.51 | 648.56 | 46.96 | 14.811 | | |
| 8,100.00 | 7,158.50 | 8,171.97 | 7,357.54 | 26.35 | 23.66 | -106.57 | -796.06 | 973.94 | 698.26 | 649.17 | 49.09 | 14.224 | | |
| 8,200.00 | 7,158.38 | 8,271.93 | 7,357.68 | 27.36 | 24.79 | -106.52 | -793.54 | 1,073.87 | 701.00 | 649.66 | 51.34 | 13.655 | | |
| 8,300.00 | 7,158.26 | 8,371.89 | 7,357.82 | 28.43 | 25.97 | -106.48 | -791.02 | 1,173.80 | 703.74 | 650.05 | 53.69 | 13.108 | | |
| 8,400.00 | 7,158.15 | 8,471.85 | 7,357.96 | 29.58 | 27.21 | -106.43 | -788.51 | 1,273.73 | 706.49 | 650.36 | 56.13 | 12.587 | | |
| 8,500.00 | 7,158.03 | 8,571.81 | 7,358.09 | 30.77 | 28.49 | -106.39 | -785.99 | 1,373.66 | 709.23 | 650.58 | 58.65 | 12.093 | | |
| 8,600.00 | 7,157.91 | 8,671.77 | 7,358.23 | 32.02 | 29.81 | -106.35 | -783.47 | 1,473.59 | 711.97 | 650.74 | 61.24 | 11.627 | | |
| 8,700.00 | 7,157.79 | 8,771.73 | 7,358.37 | 33.30 | 31.17 | -106.30 | -780.95 | 1,573.51 | 714.72 | 650.83 | 63.88 | 11.188 | | |
| 8,800.00 | 7,157.67 | 8,871.69 | 7,358.50 | 34.62 | 32.55 | -106.26 | -778.44 | 1,673.44 | 717.46 | 650.88 | 66.59 | 10.775 | | |
| 8,900.00 | 7,157.55 | 8,971.65 | 7,358.64 | 35.97 | 33.96 | -106.22 | -775.92 | 1,773.37 | 720.21 | 650.87 | 69.34 | 10.387 | | |
| 9,000.00 | 7,157.43 | 9,071.61 | 7,358.78 | 37.35 | 35.39 | -106.17 | -773.40 | 1,873.30 | 722.95 | 650.83 | 72.13 | 10.023 | | |
| 9,100.00 | 7,157.32 | 9,171.58 | 7,358.91 | 38.75 | 36.84 | -106.13 | -770.88 | 1,973.23 | 725.70 | 650.75 | 74.95 | 9.682 | | |
| 9,200.00 | 7,157.20 | 9,271.54 | 7,359.05 | 40.17 | 38.31 | -106.09 | -768.37 | 2,073.16 | 728.45 | 650.63 | 77.82 | 9.361 | | |
| 9,300.00 | 7,157.08 | 9,371.50 | 7,359.19 | 41.61 | 39.80 | -106.05 | -765.85 | 2,173.09 | 731.19 | 650.49 | 80.71 | 9.060 | | |
| 9,400.00 | 7,156.96 | 9,471.46 | 7,359.32 | 43.07 | 41.30 | -106.01 | -763.33 | 2,273.02 | 733.94 | 650.32 | 83.63 | 8.776 | | |
| 9,500.00 | 7,156.84 | 9,571.42 | 7,359.46 | 44.55 | 42.81 | -105.97 | -760.81 | 2,372.95 | 736.69 | 650.12 | 86.57 | 8.510 | | |
| 9,600.00 | 7,156.72 | 9,671.38 | 7,359.60 | 46.03 | 44.33 | -105.93 | -758.30 | 2,472.88 | 739.44 | 649.91 | 89.53 | 8.259 | | |
| 9,700.00 | 7,156.60 | 9,771.34 | 7,359.73 | 47.53 | 45.86 | -105.89 | -755.78 | 2,572.81 | 742.19 | 649.67 | 92.52 | 8.022 | | |
| 9,800.00 | 7,156.48 | 9,871.30 | 7,359.87 | 49.04 | 47.40 | -105.85 | -753.26 | 2,672.73 | 744.94 | 649.42 | 95.52 | 7.799 | | |
| 9,900.00 | 7,156.37 | 9,971.26 | 7,360.01 | 50.57 | 48.95 | -105.81 | -750.74 | 2,772.66 | 747.68 | 649.15 | 98.54 | 7.588 | | |
| 10,000.00 | 7,156.25 | 10,071.22 | 7,360.14 | 52.10 | 50.51 | -105.77 | -748.23 | 2,872.59 | 750.43 | 648.86 | 101.57 | 7.388 | | |
| 10,100.00 | 7,156.13 | 10,171.18 | 7,360.28 | 53.64 | 52.07 | -105.73 | -745.71 | 2,972.52 | 753.18 | 648.57 | 104.62 | 7.199 | | |
| 10,200.00 | 7,156.01 | 10,271.15 | 7,360.42 | 55.18 | 53.64 | -105.69 | -743.19 | 3,072.45 | 755.93 | 648.26 | 107.68 | 7.020 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8C-27-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 10,300.00 | 7,155.89 | 10,371.11 | 7,360.55 | 56.74 | 55.22 | -105.65 | -740.67 | 3,172.38 | 758.69 | 647.93 | 110.75 | 6.850 | | |
| 10,400.00 | 7,155.77 | 10,471.07 | 7,360.69 | 58.30 | 56.80 | -105.62 | -738.16 | 3,272.31 | 761.44 | 647.60 | 113.83 | 6.689 | | |
| 10,500.00 | 7,155.65 | 10,571.03 | 7,360.83 | 59.86 | 58.39 | -105.58 | -735.64 | 3,372.24 | 764.19 | 647.26 | 116.93 | 6.536 | | |
| 10,600.00 | 7,155.54 | 10,670.99 | 7,360.96 | 61.44 | 59.98 | -105.54 | -733.12 | 3,472.17 | 766.94 | 646.91 | 120.03 | 6.390 | | |
| 10,700.00 | 7,155.42 | 10,770.95 | 7,361.10 | 63.01 | 61.57 | -105.50 | -730.60 | 3,572.10 | 769.69 | 646.55 | 123.14 | 6.251 | | |
| 10,800.00 | 7,155.30 | 10,896.05 | 7,361.27 | 64.59 | 63.58 | -105.49 | -729.09 | 3,697.18 | 771.28 | 644.21 | 127.06 | 6.070 | | |
| 10,900.00 | 7,155.18 | 11,003.44 | 7,361.41 | 66.18 | 65.31 | -105.52 | -730.02 | 3,797.69 | 770.70 | 640.41 | 130.30 | 5.915 | | |
| 11,000.00 | 7,155.06 | 11,096.56 | 7,361.54 | 67.77 | 66.81 | -105.55 | -730.95 | 3,897.68 | 770.13 | 636.82 | 133.31 | 5.777 | | |
| 11,100.00 | 7,154.94 | 11,203.45 | 7,361.67 | 69.37 | 68.54 | -105.58 | -731.88 | 3,997.67 | 769.56 | 633.02 | 136.54 | 5.636 | | |
| 11,200.00 | 7,154.82 | 11,303.45 | 7,361.81 | 70.96 | 70.16 | -105.62 | -732.81 | 4,097.66 | 768.99 | 629.32 | 139.67 | 5.506 | | |
| 11,300.00 | 7,154.70 | 11,403.45 | 7,361.94 | 72.57 | 71.78 | -105.65 | -733.74 | 4,197.66 | 768.42 | 625.62 | 142.81 | 5.381 | | |
| 11,400.00 | 7,154.59 | 11,496.55 | 7,362.07 | 74.17 | 73.29 | -105.68 | -734.67 | 4,297.65 | 767.85 | 622.02 | 145.83 | 5.265 | | |
| 11,500.00 | 7,154.47 | 11,596.54 | 7,362.21 | 75.78 | 74.92 | -105.71 | -735.60 | 4,397.64 | 767.28 | 618.31 | 148.97 | 5.150 | | |
| 11,600.00 | 7,154.35 | 11,703.46 | 7,362.34 | 77.39 | 76.66 | -105.74 | -736.53 | 4,497.64 | 766.71 | 614.48 | 152.23 | 5.037 | | |
| 11,700.00 | 7,154.23 | 11,796.54 | 7,362.48 | 79.00 | 78.17 | -105.77 | -737.46 | 4,597.63 | 766.14 | 610.88 | 155.27 | 4.934 | | |
| 11,800.00 | 7,154.11 | 11,903.46 | 7,362.61 | 80.61 | 79.92 | -105.80 | -738.39 | 4,697.62 | 765.57 | 607.05 | 158.53 | 4.829 | | |
| 11,900.00 | 7,153.99 | 11,996.53 | 7,362.74 | 82.23 | 81.44 | -105.84 | -739.32 | 4,797.62 | 765.00 | 603.44 | 161.57 | 4.735 | | |
| 12,000.00 | 7,153.87 | 12,103.47 | 7,362.88 | 83.85 | 83.19 | -105.87 | -740.25 | 4,897.61 | 764.43 | 599.60 | 164.83 | 4.638 | | |
| 12,100.00 | 7,153.76 | 12,203.47 | 7,363.01 | 85.47 | 84.83 | -105.90 | -741.18 | 4,997.60 | 763.87 | 595.88 | 167.99 | 4.547 | | |
| 12,200.00 | 7,153.64 | 12,303.47 | 7,363.15 | 87.10 | 86.46 | -105.93 | -742.11 | 5,097.60 | 763.30 | 592.15 | 171.15 | 4.460 | | |
| 12,300.00 | 7,153.52 | 12,403.48 | 7,363.28 | 88.72 | 88.10 | -105.96 | -743.04 | 5,197.59 | 762.73 | 588.42 | 174.31 | 4.376 | | |
| 12,400.00 | 7,153.40 | 12,503.48 | 7,363.41 | 90.35 | 89.74 | -106.00 | -743.97 | 5,297.58 | 762.16 | 584.69 | 177.47 | 4.294 | | |
| 12,500.00 | 7,153.28 | 12,596.52 | 7,363.55 | 91.98 | 91.27 | -106.03 | -744.90 | 5,397.57 | 761.59 | 581.07 | 180.53 | 4.219 | | |
| 12,600.00 | 7,153.16 | 12,703.48 | 7,363.68 | 93.61 | 93.03 | -106.06 | -745.83 | 5,497.57 | 761.03 | 577.22 | 183.81 | 4.140 | | |
| 12,700.00 | 7,153.04 | 12,803.49 | 7,363.81 | 95.24 | 94.67 | -106.09 | -746.76 | 5,597.56 | 760.46 | 573.49 | 186.97 | 4.067 | | |
| 12,800.00 | 7,152.92 | 12,903.49 | 7,363.95 | 96.87 | 96.32 | -106.12 | -747.69 | 5,697.55 | 759.89 | 569.75 | 190.14 | 3.996 | | |
| 12,900.00 | 7,152.81 | 12,996.51 | 7,364.08 | 98.50 | 97.85 | -106.16 | -748.62 | 5,797.55 | 759.33 | 566.13 | 193.20 | 3.930 | | |
| 13,000.00 | 7,152.69 | 13,103.49 | 7,364.22 | 100.14 | 99.61 | -106.19 | -749.55 | 5,897.54 | 758.76 | 562.28 | 196.48 | 3.862 | | |
| 13,100.00 | 7,152.57 | 13,203.50 | 7,364.35 | 101.78 | 101.26 | -106.22 | -750.48 | 5,997.53 | 758.19 | 558.54 | 199.65 | 3.798 | | |
| 13,200.00 | 7,152.45 | 13,303.50 | 7,364.48 | 103.41 | 102.90 | -106.25 | -751.41 | 6,097.53 | 757.63 | 554.80 | 202.83 | 3.735 | | |
| 13,300.00 | 7,152.33 | 13,403.50 | 7,364.62 | 105.05 | 104.55 | -106.29 | -752.34 | 6,197.52 | 757.06 | 551.06 | 206.00 | 3.675 | | |
| 13,400.00 | 7,152.21 | 13,503.50 | 7,364.75 | 106.69 | 106.20 | -106.32 | -753.27 | 6,297.51 | 756.50 | 547.32 | 209.17 | 3.617 | | |
| 13,500.00 | 7,152.09 | 13,603.51 | 7,364.89 | 108.33 | 107.85 | -106.35 | -754.19 | 6,397.51 | 755.93 | 543.58 | 212.35 | 3.560 | | |
| 13,600.00 | 7,151.98 | 13,703.51 | 7,365.02 | 109.98 | 109.51 | -106.38 | -755.12 | 6,497.50 | 755.37 | 539.84 | 215.53 | 3.505 | | |
| 13,700.00 | 7,151.86 | 13,803.51 | 7,365.15 | 111.62 | 111.16 | -106.42 | -756.05 | 6,597.49 | 754.80 | 536.10 | 218.70 | 3.451 | | |
| 13,800.00 | 7,151.74 | 13,903.51 | 7,365.29 | 113.26 | 112.81 | -106.45 | -756.98 | 6,697.48 | 754.24 | 532.36 | 221.88 | 3.399 | | |
| 13,900.00 | 7,151.62 | 14,003.52 | 7,365.42 | 114.91 | 114.46 | -106.48 | -757.91 | 6,797.48 | 753.67 | 528.62 | 225.05 | 3.349 | | |
| 14,000.00 | 7,151.50 | 14,096.48 | 7,365.55 | 116.55 | 116.00 | -106.51 | -758.84 | 6,897.47 | 753.11 | 524.99 | 228.12 | 3.301 | | |
| 14,100.00 | 7,151.38 | 14,203.52 | 7,365.69 | 118.20 | 117.77 | -106.55 | -759.77 | 6,997.46 | 752.54 | 521.14 | 231.41 | 3.252 | | |
| 14,200.00 | 7,151.26 | 14,303.52 | 7,365.82 | 119.84 | 119.43 | -106.58 | -760.70 | 7,097.46 | 751.98 | 517.39 | 234.59 | 3.206 | | |
| 14,300.00 | 7,151.14 | 14,403.53 | 7,365.96 | 121.49 | 121.08 | -106.61 | -761.63 | 7,197.45 | 751.42 | 513.65 | 237.76 | 3.160 | | |
| 14,400.00 | 7,151.03 | 14,503.53 | 7,366.09 | 123.14 | 122.74 | -106.64 | -762.56 | 7,297.44 | 750.85 | 509.91 | 240.94 | 3.116 | | |
| 14,500.00 | 7,150.91 | 14,596.47 | 7,366.22 | 124.79 | 124.28 | -106.68 | -763.49 | 7,397.44 | 750.29 | 506.29 | 244.01 | 3.075 | | |
| 14,600.00 | 7,150.79 | 14,703.53 | 7,366.36 | 126.44 | 126.05 | -106.71 | -764.42 | 7,497.43 | 749.73 | 502.43 | 247.30 | 3.032 | | |
| 14,700.00 | 7,150.67 | 14,803.54 | 7,366.49 | 128.09 | 127.71 | -106.74 | -765.35 | 7,597.42 | 749.17 | 498.69 | 250.47 | 2.991 | | |
| 14,800.00 | 7,150.55 | 14,903.54 | 7,366.62 | 129.74 | 129.36 | -106.78 | -766.28 | 7,697.42 | 748.60 | 494.95 | 253.65 | 2.951 | | |
| 14,900.00 | 7,150.43 | 15,003.54 | 7,366.76 | 131.39 | 131.02 | -106.81 | -767.21 | 7,797.41 | 748.04 | 491.21 | 256.83 | 2.913 | | |
| 15,000.00 | 7,150.31 | 15,103.54 | 7,366.89 | 133.04 | 132.68 | -106.84 | -768.14 | 7,897.40 | 747.48 | 487.47 | 260.01 | 2.875 | | |
| 15,100.00 | 7,150.20 | 15,203.55 | 7,367.03 | 134.69 | 134.34 | -106.88 | -769.07 | 7,997.39 | 746.92 | 483.73 | 263.19 | 2.838 | | |
| 15,200.00 | 7,150.08 | 15,303.55 | 7,367.16 | 136.34 | 136.00 | -106.91 | -770.00 | 8,097.39 | 746.36 | 480.00 | 266.36 | 2.802 | | |
| 15,300.00 | 7,149.96 | 15,403.55 | 7,367.29 | 138.00 | 137.66 | -106.94 | -770.93 | 8,197.38 | 745.80 | 476.26 | 269.54 | 2.767 | | |
| 15,400.00 | 7,149.84 | 15,503.55 | 7,367.43 | 139.65 | 139.32 | -106.98 | -771.86 | 8,297.37 | 745.24 | 472.52 | 272.72 | 2.733 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8C-27-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 15,500.00 | 7,149.72 | 15,603.56 | 7,367.56 | 141.30 | 140.98 | -107.01 | -772.79 | 8,397.37 | 744.68 | 468.78 | 275.89 | 2.699 | | |
| 15,600.00 | 7,149.60 | 15,703.56 | 7,367.70 | 142.96 | 142.64 | -107.04 | -773.72 | 8,497.36 | 744.12 | 465.05 | 279.07 | 2.666 | | |
| 15,700.00 | 7,149.48 | 15,803.56 | 7,367.83 | 144.61 | 144.30 | -107.08 | -774.65 | 8,597.35 | 743.56 | 461.31 | 282.24 | 2.634 | | |
| 15,800.00 | 7,149.36 | 15,896.44 | 7,367.96 | 146.27 | 145.84 | -107.11 | -775.58 | 8,697.35 | 743.00 | 457.69 | 285.31 | 2.604 | | |
| 15,900.00 | 7,149.25 | 16,003.57 | 7,368.10 | 147.92 | 147.62 | -107.14 | -776.51 | 8,797.34 | 742.44 | 453.84 | 288.59 | 2.573 | | |
| 16,000.00 | 7,149.13 | 16,103.57 | 7,368.23 | 149.58 | 149.28 | -107.18 | -777.44 | 8,897.33 | 741.88 | 450.11 | 291.77 | 2.543 | | |
| 16,100.00 | 7,149.01 | 16,203.57 | 7,368.36 | 151.23 | 150.94 | -107.21 | -778.37 | 8,997.33 | 741.32 | 446.38 | 294.94 | 2.513 | | |
| 16,200.00 | 7,148.89 | 16,296.43 | 7,368.50 | 152.89 | 152.48 | -107.25 | -779.30 | 9,097.32 | 740.76 | 442.76 | 298.00 | 2.486 | | |
| 16,300.00 | 7,148.77 | 16,403.58 | 7,368.63 | 154.55 | 154.26 | -107.28 | -780.23 | 9,197.31 | 740.20 | 438.91 | 301.29 | 2.457 | | |
| 16,400.00 | 7,148.65 | 16,503.58 | 7,368.77 | 156.20 | 155.93 | -107.31 | -781.16 | 9,297.30 | 739.65 | 435.18 | 304.46 | 2.429 | | |
| 16,500.00 | 7,148.53 | 16,603.58 | 7,368.90 | 157.86 | 157.59 | -107.35 | -782.09 | 9,397.30 | 739.09 | 431.45 | 307.64 | 2.402 | | |
| 16,600.00 | 7,148.42 | 16,703.58 | 7,369.03 | 159.52 | 159.25 | -107.38 | -783.02 | 9,497.29 | 738.53 | 427.72 | 310.81 | 2.376 | | |
| 16,700.00 | 7,148.30 | 16,803.59 | 7,369.17 | 161.18 | 160.91 | -107.42 | -783.95 | 9,597.28 | 737.97 | 423.99 | 313.98 | 2.350 | | |
| 16,800.00 | 7,148.18 | 16,903.59 | 7,369.30 | 162.83 | 162.58 | -107.45 | -784.87 | 9,697.28 | 737.42 | 420.27 | 317.15 | 2.325 | | |
| 16,900.00 | 7,148.06 | 16,996.41 | 7,369.43 | 164.49 | 164.12 | -107.48 | -785.80 | 9,797.27 | 736.86 | 416.66 | 320.20 | 2.301 | | |
| 17,000.00 | 7,147.94 | 17,103.59 | 7,369.57 | 166.15 | 165.90 | -107.52 | -786.73 | 9,897.26 | 736.30 | 412.81 | 323.49 | 2.276 | | |
| 17,100.00 | 7,147.82 | 17,196.40 | 7,369.70 | 167.81 | 167.45 | -107.55 | -787.66 | 9,997.26 | 735.75 | 409.20 | 326.54 | 2.253 | | |
| 17,200.00 | 7,147.70 | 17,303.60 | 7,369.84 | 169.47 | 169.23 | -107.59 | -788.59 | 10,097.25 | 735.19 | 405.36 | 329.83 | 2.229 | | |
| 17,300.00 | 7,147.58 | 17,403.60 | 7,369.97 | 171.13 | 170.90 | -107.62 | -789.52 | 10,197.24 | 734.64 | 401.64 | 332.99 | 2.206 | | |
| 17,400.00 | 7,147.47 | 17,503.60 | 7,370.10 | 172.79 | 172.56 | -107.66 | -790.45 | 10,297.24 | 734.08 | 397.92 | 336.16 | 2.184 | | |
| 17,500.00 | 7,147.35 | 17,603.61 | 7,370.24 | 174.45 | 174.22 | -107.69 | -791.38 | 10,397.23 | 733.53 | 394.20 | 339.33 | 2.162 | | |
| 17,600.00 | 7,147.23 | 17,703.61 | 7,370.37 | 176.11 | 175.89 | -107.72 | -792.31 | 10,497.22 | 732.97 | 390.48 | 342.49 | 2.140 | | |
| 17,700.00 | 7,147.11 | 17,803.61 | 7,370.51 | 177.77 | 177.55 | -107.76 | -793.24 | 10,597.21 | 732.42 | 386.76 | 345.66 | 2.119 | | |
| 17,800.00 | 7,146.99 | 17,903.61 | 7,370.64 | 179.43 | 179.22 | -107.79 | -794.17 | 10,697.21 | 731.86 | 383.04 | 348.82 | 2.098 | | |
| 17,900.00 | 7,146.87 | 18,003.62 | 7,370.77 | 181.09 | 180.88 | -107.83 | -795.10 | 10,797.20 | 731.31 | 379.32 | 351.99 | 2.078 | | |
| 18,000.00 | 7,146.75 | 18,096.38 | 7,370.91 | 182.75 | 182.43 | -107.86 | -796.03 | 10,897.19 | 730.75 | 375.72 | 355.03 | 2.058 | | |
| 18,100.00 | 7,146.64 | 18,203.62 | 7,371.04 | 184.41 | 184.21 | -107.90 | -796.96 | 10,997.19 | 730.20 | 371.89 | 358.31 | 2.038 | | |
| 18,200.00 | 7,146.52 | 18,303.62 | 7,371.17 | 186.08 | 185.88 | -107.93 | -797.89 | 11,097.18 | 729.65 | 368.18 | 361.47 | 2.019 | | |
| 18,300.00 | 7,146.40 | 18,403.63 | 7,371.31 | 187.74 | 187.54 | -107.97 | -798.82 | 11,197.17 | 729.09 | 364.46 | 364.63 | 2.000 | | |
| 18,400.00 | 7,146.28 | 18,503.63 | 7,371.44 | 189.40 | 189.21 | -108.00 | -799.75 | 11,297.17 | 728.54 | 360.75 | 367.79 | 1.981 | | |
| 18,500.00 | 7,146.16 | 18,603.63 | 7,371.58 | 191.06 | 190.88 | -108.04 | -800.68 | 11,397.16 | 727.99 | 357.04 | 370.95 | 1.963 | | |
| 18,600.00 | 7,146.04 | 18,703.63 | 7,371.71 | 192.72 | 192.54 | -108.07 | -801.61 | 11,497.15 | 727.44 | 353.33 | 374.11 | 1.944 | | |
| 18,700.00 | 7,145.92 | 18,803.64 | 7,371.84 | 194.39 | 194.21 | -108.11 | -802.54 | 11,597.15 | 726.89 | 349.62 | 377.26 | 1.927 | | |
| 18,800.00 | 7,145.80 | 18,903.64 | 7,371.98 | 196.05 | 195.87 | -108.14 | -803.47 | 11,697.14 | 726.33 | 345.91 | 380.42 | 1.909 | | |
| 18,900.00 | 7,145.69 | 19,003.64 | 7,372.11 | 197.71 | 197.54 | -108.18 | -804.40 | 11,797.13 | 725.78 | 342.21 | 383.58 | 1.892 | | |
| 19,000.00 | 7,145.57 | 19,096.36 | 7,372.25 | 199.37 | 199.08 | -108.21 | -805.33 | 11,897.12 | 725.23 | 338.62 | 386.61 | 1.876 | | |
| 19,100.00 | 7,145.45 | 19,203.65 | 7,372.38 | 201.04 | 200.87 | -108.25 | -806.26 | 11,997.12 | 724.68 | 334.80 | 389.88 | 1.859 | | |
| 19,200.00 | 7,145.33 | 19,296.35 | 7,372.51 | 202.70 | 202.42 | -108.28 | -807.19 | 12,097.11 | 724.13 | 331.21 | 392.92 | 1.843 | | |
| 19,300.00 | 7,145.21 | 19,403.65 | 7,372.65 | 204.36 | 204.21 | -108.32 | -808.12 | 12,197.10 | 723.58 | 327.39 | 396.19 | 1.826 | | |
| 19,400.00 | 7,145.09 | 19,496.35 | 7,372.78 | 206.03 | 205.75 | -108.36 | -809.05 | 12,297.10 | 723.03 | 323.81 | 399.22 | 1.811 | | |
| 19,500.00 | 7,144.97 | 19,596.34 | 7,372.91 | 207.69 | 207.42 | -108.39 | -809.98 | 12,397.09 | 722.48 | 320.11 | 402.37 | 1.796 | | |
| 19,600.00 | 7,144.86 | 19,703.66 | 7,373.05 | 209.35 | 209.21 | -108.43 | -810.91 | 12,497.08 | 721.93 | 316.29 | 405.64 | 1.780 | | |
| 19,700.00 | 7,144.74 | 19,796.34 | 7,373.18 | 211.02 | 210.75 | -108.46 | -811.84 | 12,597.08 | 721.38 | 312.71 | 408.67 | 1.765 | | |
| 19,800.00 | 7,144.62 | 19,903.66 | 7,373.32 | 212.68 | 212.54 | -108.50 | -812.77 | 12,697.07 | 720.83 | 308.90 | 411.93 | 1.750 | | |
| 19,900.00 | 7,144.50 | 20,003.67 | 7,373.45 | 214.35 | 214.21 | -108.53 | -813.70 | 12,797.06 | 720.28 | 305.21 | 415.08 | 1.735 | | |
| 20,000.00 | 7,144.38 | 20,103.67 | 7,373.58 | 216.01 | 215.87 | -108.57 | -814.63 | 12,897.06 | 719.74 | 301.51 | 418.22 | 1.721 | | |
| 20,100.00 | 7,144.26 | 20,203.67 | 7,373.72 | 217.67 | 217.54 | -108.61 | -815.55 | 12,997.05 | 719.19 | 297.82 | 421.37 | 1.707 | | |
| 20,200.00 | 7,144.14 | 20,296.33 | 7,373.85 | 219.34 | 219.09 | -108.64 | -816.48 | 13,097.04 | 718.64 | 294.25 | 424.39 | 1.693 | | |
| 20,300.00 | 7,144.02 | 20,396.32 | 7,373.98 | 221.00 | 220.75 | -108.68 | -817.41 | 13,197.03 | 718.09 | 290.56 | 427.54 | 1.680 | | |
| 20,320.42 | 7,144.00 | 20,416.74 | 7,374.01 | 221.34 | 221.09 | -108.69 | -817.60 | 13,217.45 | 717.98 | 289.80 | 428.18 | 1.677 SF | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 0.00 | 40.07 | 0.00 | 40.07 | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | 0.00 | 40.07 | 0.00 | 40.07 | 32.54 | 7.53 | 5.322 | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | 0.00 | 40.07 | 0.00 | 40.07 | 32.49 | 7.57 | 5.290 | | |
| 300.00 | 299.98 | 301.42 | 301.39 | 3.34 | 3.35 | 177.11 | 38.28 | -0.11 | 40.05 | 32.39 | 7.65 | 5.234 | | |
| 400.00 | 399.84 | 402.83 | 402.66 | 3.40 | 3.41 | 177.00 | 32.91 | -0.46 | 39.98 | 32.22 | 7.75 | 5.156 | | |
| 500.00 | 499.45 | 504.24 | 503.67 | 3.49 | 3.49 | 176.81 | 23.96 | -1.03 | 39.86 | 31.97 | 7.89 | 5.049 | | |
| 600.00 | 598.70 | 605.64 | 604.29 | 3.60 | 3.61 | 176.54 | 11.46 | -1.83 | 39.70 | 31.62 | 8.07 | 4.917 | | |
| 649.27 | 647.43 | 655.60 | 653.68 | 3.67 | 3.68 | 176.39 | 3.99 | -2.30 | 39.60 | 31.42 | 8.18 | 4.843 CC | | |
| 700.00 | 697.47 | 706.26 | 703.72 | 3.75 | 3.76 | 176.27 | -3.92 | -2.81 | 40.04 | 31.73 | 8.31 | 4.817 | | |
| 800.00 | 795.62 | 806.19 | 802.42 | 3.95 | 3.94 | 176.27 | -19.54 | -3.80 | 43.52 | 34.91 | 8.61 | 5.054 | | |
| 900.00 | 893.30 | 906.02 | 901.01 | 4.18 | 4.15 | 176.46 | -35.14 | -4.80 | 49.40 | 40.45 | 8.95 | 5.518 | | |
| 1,000.00 | 990.96 | 1,005.84 | 999.60 | 4.45 | 4.38 | 176.61 | -50.74 | -5.79 | 55.35 | 46.02 | 9.33 | 5.936 | | |
| 1,100.00 | 1,088.62 | 1,105.67 | 1,098.20 | 4.74 | 4.63 | 176.74 | -66.35 | -6.79 | 61.30 | 51.57 | 9.73 | 6.301 | | |
| 1,200.00 | 1,186.28 | 1,205.49 | 1,196.79 | 5.05 | 4.89 | 176.84 | -81.95 | -7.78 | 67.25 | 57.09 | 10.16 | 6.620 | | |
| 1,300.00 | 1,283.94 | 1,305.31 | 1,295.38 | 5.38 | 5.17 | 176.93 | -97.55 | -8.78 | 73.21 | 62.59 | 10.61 | 6.897 | | |
| 1,400.00 | 1,381.60 | 1,405.13 | 1,393.97 | 5.73 | 5.45 | 177.00 | -113.15 | -9.77 | 79.16 | 68.07 | 11.09 | 7.140 | | |
| 1,500.00 | 1,479.26 | 1,504.96 | 1,492.56 | 6.08 | 5.75 | 177.06 | -128.75 | -10.77 | 85.11 | 73.53 | 11.58 | 7.351 | | |
| 1,600.00 | 1,576.92 | 1,604.78 | 1,591.15 | 6.45 | 6.06 | 177.12 | -144.35 | -11.76 | 91.07 | 78.98 | 12.09 | 7.535 | | |
| 1,700.00 | 1,674.58 | 1,704.60 | 1,689.74 | 6.82 | 6.37 | 177.16 | -159.95 | -12.76 | 97.02 | 84.41 | 12.60 | 7.697 | | |
| 1,800.00 | 1,772.24 | 1,804.42 | 1,788.33 | 7.21 | 6.68 | 177.21 | -175.55 | -13.75 | 102.97 | 89.84 | 13.13 | 7.842 | | |
| 1,900.00 | 1,869.90 | 1,904.25 | 1,886.92 | 7.42 | 6.86 | 177.24 | -191.16 | -14.75 | 108.92 | 95.90 | 13.03 | 8.361 | | |
| 2,000.00 | 1,967.56 | 2,004.07 | 1,985.51 | 7.47 | 6.89 | 177.28 | -206.76 | -15.75 | 114.88 | 101.82 | 13.06 | 8.799 | | |
| 2,100.00 | 2,065.22 | 2,103.89 | 2,084.10 | 7.54 | 6.94 | 177.31 | -222.36 | -16.74 | 120.83 | 107.71 | 13.12 | 9.208 | | |
| 2,200.00 | 2,162.88 | 2,203.71 | 2,182.70 | 7.63 | 7.01 | 177.34 | -237.96 | -17.74 | 126.78 | 113.56 | 13.22 | 9.590 | | |
| 2,300.00 | 2,260.54 | 2,303.54 | 2,281.29 | 7.74 | 7.10 | 177.36 | -253.56 | -18.73 | 132.74 | 119.39 | 13.35 | 9.943 | | |
| 2,400.00 | 2,358.20 | 2,403.36 | 2,379.88 | 7.87 | 7.20 | 177.38 | -269.16 | -19.73 | 138.69 | 125.18 | 13.51 | 10.265 | | |
| 2,500.00 | 2,455.85 | 2,503.18 | 2,478.47 | 8.01 | 7.31 | 177.41 | -284.76 | -20.72 | 144.64 | 130.94 | 13.70 | 10.558 | | |
| 2,600.00 | 2,553.51 | 2,603.01 | 2,577.06 | 8.17 | 7.44 | 177.42 | -300.36 | -21.72 | 150.60 | 136.68 | 13.92 | 10.821 | | |
| 2,700.00 | 2,651.17 | 2,702.83 | 2,675.65 | 8.34 | 7.58 | 177.44 | -315.97 | -22.71 | 156.55 | 142.39 | 14.16 | 11.055 | | |
| 2,800.00 | 2,748.83 | 2,802.65 | 2,774.24 | 8.52 | 7.74 | 177.46 | -331.57 | -23.71 | 162.50 | 148.07 | 14.43 | 11.261 | | |
| 2,900.00 | 2,846.49 | 2,902.47 | 2,872.83 | 8.72 | 7.90 | 177.47 | -347.17 | -24.70 | 168.46 | 153.73 | 14.72 | 11.442 | | |
| 3,000.00 | 2,944.15 | 3,002.30 | 2,971.42 | 8.93 | 8.08 | 177.49 | -362.77 | -25.70 | 174.41 | 159.37 | 15.04 | 11.598 | | |
| 3,100.00 | 3,041.81 | 3,102.12 | 3,070.01 | 9.16 | 8.27 | 177.50 | -378.37 | -26.69 | 180.36 | 164.99 | 15.37 | 11.731 | | |
| 3,200.00 | 3,139.47 | 3,201.94 | 3,168.60 | 9.39 | 8.46 | 177.51 | -393.97 | -27.69 | 186.32 | 170.59 | 15.73 | 11.844 | | |
| 3,300.00 | 3,237.13 | 3,301.76 | 3,267.20 | 9.63 | 8.67 | 177.53 | -409.57 | -28.68 | 192.27 | 176.17 | 16.10 | 11.939 | | |
| 3,400.00 | 3,334.79 | 3,401.59 | 3,365.79 | 9.88 | 8.88 | 177.54 | -425.17 | -29.68 | 198.22 | 181.73 | 16.50 | 12.017 | | |
| 3,500.00 | 3,432.45 | 3,501.41 | 3,464.38 | 10.14 | 9.10 | 177.55 | -440.77 | -30.67 | 204.18 | 187.28 | 16.90 | 12.080 | | |
| 3,600.00 | 3,530.11 | 3,601.23 | 3,562.97 | 10.41 | 9.33 | 177.56 | -456.38 | -31.67 | 210.13 | 192.81 | 17.32 | 12.130 | | |
| 3,700.00 | 3,627.77 | 3,701.05 | 3,661.56 | 10.68 | 9.56 | 177.57 | -471.98 | -32.66 | 216.09 | 198.33 | 17.76 | 12.168 | | |
| 3,800.00 | 3,725.43 | 3,800.88 | 3,760.15 | 10.96 | 9.80 | 177.58 | -487.58 | -33.66 | 222.04 | 203.83 | 18.21 | 12.196 | | |
| 3,900.00 | 3,823.09 | 3,900.70 | 3,858.74 | 11.25 | 10.05 | 177.58 | -503.18 | -34.65 | 227.99 | 209.33 | 18.66 | 12.216 | | |
| 4,000.00 | 3,920.75 | 4,000.52 | 3,957.33 | 11.54 | 10.30 | 177.59 | -518.78 | -35.65 | 233.95 | 214.81 | 19.13 | 12.227 | | |
| 4,100.00 | 4,018.41 | 4,100.34 | 4,055.92 | 11.84 | 10.56 | 177.60 | -534.38 | -36.64 | 239.90 | 220.29 | 19.61 | 12.232 | | |
| 4,200.00 | 4,116.07 | 4,200.17 | 4,154.51 | 12.14 | 10.82 | 177.61 | -549.98 | -37.64 | 245.85 | 225.75 | 20.10 | 12.231 | | |
| 4,300.00 | 4,213.73 | 4,300.01 | 4,253.10 | 12.45 | 11.08 | 177.61 | -565.58 | -38.64 | 251.81 | 231.21 | 20.60 | 12.225 | | |
| 4,400.00 | 4,311.39 | 4,400.19 | 4,351.70 | 12.76 | 11.35 | 177.62 | -581.19 | -39.63 | 257.76 | 236.66 | 21.10 | 12.214 | | |
| 4,500.00 | 4,409.05 | 4,500.37 | 4,450.29 | 13.08 | 11.63 | 177.63 | -596.79 | -40.63 | 263.71 | 242.10 | 21.62 | 12.200 | | |
| 4,600.00 | 4,506.71 | 4,599.46 | 4,548.88 | 13.40 | 11.90 | 177.63 | -612.39 | -41.62 | 269.67 | 247.53 | 22.13 | 12.183 | | |
| 4,700.00 | 4,604.37 | 4,700.72 | 4,647.47 | 13.72 | 12.19 | 177.64 | -627.99 | -42.62 | 275.62 | 252.96 | 22.66 | 12.162 | | |
| 4,800.00 | 4,702.03 | 4,800.90 | 4,746.06 | 14.04 | 12.47 | 177.64 | -643.59 | -43.61 | 281.57 | 258.38 | 23.19 | 12.140 | | |
| 4,900.00 | 4,799.69 | 4,901.07 | 4,844.65 | 14.37 | 12.76 | 177.65 | -659.19 | -44.61 | 287.53 | 263.79 | 23.73 | 12.115 | | |
| 5,000.00 | 4,897.35 | 5,001.25 | 4,943.24 | 14.70 | 13.04 | 177.65 | -674.79 | -45.60 | 293.48 | 269.21 | 24.28 | 12.090 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 5,100.00 | 4,995.01 | 5,101.43 | 5,041.83 | 15.03 | 13.34 | 177.66 | -690.39 | -46.60 | 299.43 | 274.61 | 24.82 | 12.063 | |
| 5,200.00 | 5,092.67 | 5,201.61 | 5,140.42 | 15.37 | 13.63 | 177.66 | -705.99 | -47.59 | 305.39 | 280.01 | 25.37 | 12.035 | |
| 5,300.00 | 5,190.33 | 5,301.78 | 5,239.01 | 15.71 | 13.93 | 177.67 | -721.60 | -48.59 | 311.34 | 285.41 | 25.93 | 12.007 | |
| 5,400.00 | 5,287.99 | 5,401.96 | 5,337.60 | 16.05 | 14.22 | 177.67 | -737.20 | -49.58 | 317.29 | 290.80 | 26.49 | 11.978 | |
| 5,500.00 | 5,385.65 | 5,497.86 | 5,436.20 | 16.39 | 14.51 | 177.68 | -752.80 | -50.58 | 323.25 | 296.21 | 27.04 | 11.953 | |
| 5,600.00 | 5,483.31 | 5,602.32 | 5,534.79 | 16.73 | 14.82 | 177.68 | -768.40 | -51.57 | 329.20 | 301.58 | 27.62 | 11.918 | |
| 5,700.00 | 5,580.97 | 5,702.49 | 5,633.38 | 17.08 | 15.13 | 177.68 | -784.00 | -52.57 | 335.16 | 306.96 | 28.19 | 11.888 | |
| 5,800.00 | 5,678.63 | 5,802.67 | 5,731.97 | 17.42 | 15.43 | 177.69 | -799.60 | -53.56 | 341.11 | 312.34 | 28.77 | 11.858 | |
| 5,900.00 | 5,776.29 | 5,902.85 | 5,830.56 | 17.77 | 15.74 | 177.69 | -815.20 | -54.56 | 347.06 | 317.72 | 29.34 | 11.828 | |
| 6,000.00 | 5,873.95 | 5,996.97 | 5,929.15 | 18.12 | 16.03 | 177.69 | -830.80 | -55.55 | 353.02 | 323.11 | 29.90 | 11.805 | |
| 6,100.00 | 5,971.61 | 6,103.20 | 6,027.74 | 18.47 | 16.35 | 177.70 | -846.41 | -56.55 | 358.97 | 328.47 | 30.50 | 11.769 | |
| 6,200.00 | 6,069.26 | 6,203.38 | 6,126.33 | 18.82 | 16.66 | 177.70 | -862.01 | -57.54 | 364.92 | 333.84 | 31.09 | 11.739 | |
| 6,300.00 | 6,166.92 | 6,296.44 | 6,224.92 | 19.18 | 16.95 | 177.70 | -877.61 | -58.54 | 370.88 | 339.23 | 31.65 | 11.718 | |
| 6,400.00 | 6,264.58 | 6,403.74 | 6,323.51 | 19.53 | 17.29 | 177.71 | -893.21 | -59.53 | 376.83 | 344.57 | 32.26 | 11.681 | |
| 6,500.00 | 6,362.24 | 6,503.91 | 6,422.10 | 19.89 | 17.60 | 177.71 | -908.81 | -60.53 | 382.78 | 349.93 | 32.85 | 11.653 | |
| 6,600.00 | 6,459.90 | 6,595.91 | 6,520.70 | 20.24 | 17.89 | 177.71 | -924.41 | -61.52 | 388.74 | 355.32 | 33.42 | 11.633 | |
| 6,700.00 | 6,557.56 | 6,694.34 | 6,617.63 | 20.59 | 18.14 | -170.11 | -939.73 | -55.35 | 394.84 | 360.88 | 33.95 | 11.629 | |
| 6,800.00 | 6,654.52 | 6,791.02 | 6,710.83 | 20.88 | 18.38 | -135.93 | -954.40 | -34.65 | 401.26 | 366.83 | 34.43 | 11.653 | |
| 6,900.00 | 6,748.60 | 6,886.29 | 6,798.60 | 21.16 | 18.62 | -117.58 | -968.17 | -0.52 | 407.82 | 372.93 | 34.89 | 11.689 | |
| 7,000.00 | 6,837.47 | 6,980.31 | 6,879.35 | 21.44 | 18.84 | -107.47 | -980.80 | 45.78 | 414.27 | 378.94 | 35.33 | 11.726 | |
| 7,100.00 | 6,918.94 | 7,073.26 | 6,951.72 | 21.70 | 19.05 | -101.20 | -992.05 | 102.88 | 420.41 | 384.63 | 35.78 | 11.750 | |
| 7,200.00 | 6,991.02 | 7,165.32 | 7,014.55 | 21.95 | 19.25 | -97.00 | -1,001.77 | 169.34 | 426.03 | 389.75 | 36.28 | 11.743 | |
| 7,300.00 | 7,051.93 | 7,256.66 | 7,066.91 | 22.19 | 19.45 | -94.08 | -1,009.81 | 243.66 | 430.94 | 394.07 | 36.87 | 11.688 | |
| 7,400.00 | 7,100.16 | 7,347.46 | 7,108.02 | 22.43 | 19.67 | -92.07 | -1,016.04 | 324.30 | 434.98 | 397.38 | 37.60 | 11.569 | |
| 7,500.00 | 7,134.53 | 7,437.90 | 7,137.31 | 22.69 | 19.93 | -90.78 | -1,020.39 | 409.67 | 438.02 | 399.52 | 38.50 | 11.376 | |
| 7,600.00 | 7,154.20 | 7,528.14 | 7,154.34 | 23.01 | 20.29 | -90.12 | -1,022.79 | 498.19 | 439.98 | 400.39 | 39.59 | 11.113 | |
| 7,700.00 | 7,158.98 | 7,619.92 | 7,159.01 | 23.42 | 20.78 | -90.00 | -1,023.22 | 589.77 | 440.84 | 399.95 | 40.89 | 10.782 | |
| 7,800.00 | 7,158.86 | 7,719.92 | 7,159.27 | 23.96 | 21.47 | -90.05 | -1,022.93 | 689.77 | 441.40 | 398.86 | 42.54 | 10.376 | |
| 7,900.00 | 7,158.74 | 7,819.92 | 7,159.52 | 24.64 | 22.31 | -90.10 | -1,022.63 | 789.77 | 441.96 | 397.58 | 44.39 | 9.957 | |
| 8,000.00 | 7,158.62 | 7,919.91 | 7,159.77 | 25.44 | 23.26 | -90.15 | -1,022.34 | 889.76 | 442.52 | 396.12 | 46.41 | 9.536 | |
| 8,100.00 | 7,158.50 | 8,019.91 | 7,160.03 | 26.35 | 24.30 | -90.20 | -1,022.04 | 989.76 | 443.09 | 394.51 | 48.57 | 9.122 | |
| 8,200.00 | 7,158.38 | 8,119.91 | 7,160.28 | 27.36 | 25.42 | -90.24 | -1,021.75 | 1,089.76 | 443.65 | 392.78 | 50.87 | 8.721 | |
| 8,300.00 | 7,158.26 | 8,219.91 | 7,160.53 | 28.43 | 26.60 | -90.29 | -1,021.46 | 1,189.76 | 444.21 | 390.93 | 53.28 | 8.338 | |
| 8,400.00 | 7,158.15 | 8,319.90 | 7,160.79 | 29.58 | 27.83 | -90.34 | -1,021.16 | 1,289.75 | 444.78 | 388.99 | 55.79 | 7.973 | |
| 8,500.00 | 7,158.03 | 8,419.90 | 7,161.04 | 30.77 | 29.11 | -90.39 | -1,020.87 | 1,389.75 | 445.34 | 386.96 | 58.38 | 7.628 | |
| 8,600.00 | 7,157.91 | 8,519.90 | 7,161.29 | 32.02 | 30.43 | -90.43 | -1,020.57 | 1,489.75 | 445.90 | 384.86 | 61.05 | 7.304 | |
| 8,700.00 | 7,157.79 | 8,619.90 | 7,161.55 | 33.30 | 31.78 | -90.48 | -1,020.28 | 1,589.74 | 446.47 | 382.69 | 63.78 | 7.000 | |
| 8,800.00 | 7,157.67 | 8,719.90 | 7,161.80 | 34.62 | 33.16 | -90.53 | -1,019.98 | 1,689.74 | 447.03 | 380.46 | 66.57 | 6.715 | |
| 8,900.00 | 7,157.55 | 8,819.89 | 7,162.05 | 35.97 | 34.56 | -90.58 | -1,019.69 | 1,789.74 | 447.60 | 378.19 | 69.41 | 6.449 | |
| 9,000.00 | 7,157.43 | 8,919.89 | 7,162.30 | 37.35 | 35.99 | -90.62 | -1,019.40 | 1,889.73 | 448.16 | 375.87 | 72.29 | 6.199 | |
| 9,100.00 | 7,157.32 | 9,019.89 | 7,162.56 | 38.75 | 37.44 | -90.67 | -1,019.10 | 1,989.73 | 448.73 | 373.51 | 75.21 | 5.966 | |
| 9,200.00 | 7,157.20 | 9,119.89 | 7,162.81 | 40.17 | 38.91 | -90.72 | -1,018.81 | 2,089.73 | 449.29 | 371.12 | 78.17 | 5.748 | |
| 9,300.00 | 7,157.08 | 9,219.88 | 7,163.06 | 41.61 | 40.39 | -90.76 | -1,018.51 | 2,189.72 | 449.86 | 368.70 | 81.16 | 5.543 | |
| 9,400.00 | 7,156.96 | 9,319.88 | 7,163.32 | 43.07 | 41.89 | -90.81 | -1,018.22 | 2,289.72 | 450.42 | 366.25 | 84.17 | 5.351 | |
| 9,500.00 | 7,156.84 | 9,419.88 | 7,163.57 | 44.55 | 43.40 | -90.85 | -1,017.92 | 2,389.72 | 450.99 | 363.78 | 87.21 | 5.171 | |
| 9,600.00 | 7,156.72 | 9,519.88 | 7,163.82 | 46.03 | 44.92 | -90.90 | -1,017.63 | 2,489.72 | 451.56 | 361.29 | 90.27 | 5.002 | |
| 9,700.00 | 7,156.60 | 9,619.87 | 7,164.08 | 47.53 | 46.46 | -90.95 | -1,017.33 | 2,589.71 | 452.12 | 358.77 | 93.35 | 4.843 | |
| 9,800.00 | 7,156.48 | 9,719.87 | 7,164.33 | 49.04 | 48.00 | -90.99 | -1,017.04 | 2,689.71 | 452.69 | 356.24 | 96.45 | 4.694 | |
| 9,900.00 | 7,156.37 | 9,819.87 | 7,164.58 | 50.57 | 49.55 | -91.04 | -1,016.75 | 2,789.71 | 453.26 | 353.69 | 99.56 | 4.552 | |
| 10,000.00 | 7,156.25 | 9,919.87 | 7,164.84 | 52.10 | 51.10 | -91.08 | -1,016.45 | 2,889.70 | 453.83 | 351.13 | 102.69 | 4.419 | |
| 10,100.00 | 7,156.13 | 10,019.87 | 7,165.09 | 53.64 | 52.67 | -91.13 | -1,016.16 | 2,989.70 | 454.39 | 348.56 | 105.83 | 4.293 | |
| 10,200.00 | 7,156.01 | 10,119.86 | 7,165.34 | 55.18 | 54.24 | -91.17 | -1,015.86 | 3,089.70 | 454.96 | 345.97 | 108.99 | 4.174 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 10,300.00 | 7,155.89 | 10,219.86 | 7,165.60 | 56.74 | 55.82 | -91.22 | -1,015.57 | 3,189.69 | 455.53 | 343.38 | 112.15 | 4.062 | | |
| 10,400.00 | 7,155.77 | 10,319.86 | 7,165.85 | 58.30 | 57.40 | -91.27 | -1,015.27 | 3,289.69 | 456.10 | 340.77 | 115.33 | 3.955 | | |
| 10,500.00 | 7,155.65 | 10,419.86 | 7,166.10 | 59.86 | 58.99 | -91.31 | -1,014.98 | 3,389.69 | 456.67 | 338.15 | 118.52 | 3.853 | | |
| 10,600.00 | 7,155.54 | 10,519.85 | 7,166.35 | 61.44 | 60.58 | -91.36 | -1,014.69 | 3,489.69 | 457.24 | 335.53 | 121.71 | 3.757 | | |
| 10,700.00 | 7,155.42 | 10,619.85 | 7,166.61 | 63.01 | 62.17 | -91.40 | -1,014.39 | 3,589.68 | 457.81 | 332.90 | 124.91 | 3.665 | | |
| 10,800.00 | 7,155.30 | 10,719.85 | 7,166.86 | 64.59 | 63.77 | -91.45 | -1,014.10 | 3,689.68 | 458.38 | 330.26 | 128.12 | 3.578 | | |
| 10,900.00 | 7,155.18 | 10,819.85 | 7,167.11 | 66.18 | 65.37 | -91.49 | -1,013.80 | 3,789.68 | 458.95 | 327.61 | 131.33 | 3.494 | | |
| 11,000.00 | 7,155.06 | 10,919.85 | 7,167.37 | 67.77 | 66.98 | -91.53 | -1,013.51 | 3,889.67 | 459.52 | 324.96 | 134.56 | 3.415 | | |
| 11,100.00 | 7,154.94 | 11,019.84 | 7,167.62 | 69.37 | 68.59 | -91.58 | -1,013.21 | 3,989.67 | 460.09 | 322.31 | 137.78 | 3.339 | | |
| 11,200.00 | 7,154.82 | 11,119.84 | 7,167.87 | 70.96 | 70.20 | -91.62 | -1,012.92 | 4,089.67 | 460.66 | 319.64 | 141.02 | 3.267 | | |
| 11,300.00 | 7,154.70 | 11,219.84 | 7,168.13 | 72.57 | 71.82 | -91.67 | -1,012.63 | 4,189.66 | 461.23 | 316.98 | 144.25 | 3.197 | | |
| 11,400.00 | 7,154.59 | 11,319.84 | 7,168.38 | 74.17 | 73.43 | -91.71 | -1,012.33 | 4,289.66 | 461.80 | 314.31 | 147.50 | 3.131 | | |
| 11,500.00 | 7,154.47 | 11,419.83 | 7,168.63 | 75.78 | 75.05 | -91.76 | -1,012.04 | 4,389.66 | 462.38 | 311.63 | 150.74 | 3.067 | | |
| 11,600.00 | 7,154.35 | 11,519.83 | 7,168.89 | 77.39 | 76.68 | -91.80 | -1,011.74 | 4,489.66 | 462.95 | 308.95 | 153.99 | 3.006 | | |
| 11,700.00 | 7,154.23 | 11,619.83 | 7,169.14 | 79.00 | 78.30 | -91.84 | -1,011.45 | 4,589.65 | 463.52 | 306.27 | 157.25 | 2.948 | | |
| 11,800.00 | 7,154.11 | 11,719.83 | 7,169.39 | 80.61 | 79.93 | -91.89 | -1,011.15 | 4,689.65 | 464.09 | 303.59 | 160.51 | 2.891 | | |
| 11,900.00 | 7,153.99 | 11,823.23 | 7,169.65 | 82.23 | 81.61 | -91.93 | -1,010.93 | 4,793.05 | 464.60 | 300.67 | 163.93 | 2.834 | | |
| 12,000.00 | 7,153.87 | 11,941.06 | 7,169.95 | 83.85 | 83.53 | -92.00 | -1,013.86 | 4,910.84 | 462.37 | 294.45 | 167.93 | 2.753 | | |
| 12,100.00 | 7,153.76 | 12,040.98 | 7,170.21 | 85.47 | 85.17 | -92.06 | -1,018.14 | 5,010.66 | 458.37 | 287.17 | 171.20 | 2.677 | | |
| 12,200.00 | 7,153.64 | 12,140.90 | 7,170.46 | 87.10 | 86.81 | -92.13 | -1,022.43 | 5,110.49 | 454.36 | 279.89 | 174.47 | 2.604 | | |
| 12,300.00 | 7,153.52 | 12,240.82 | 7,170.72 | 88.72 | 88.45 | -92.19 | -1,026.72 | 5,210.32 | 450.35 | 272.60 | 177.75 | 2.534 | | |
| 12,400.00 | 7,153.40 | 12,340.74 | 7,170.97 | 90.35 | 90.10 | -92.26 | -1,031.01 | 5,310.14 | 446.34 | 265.32 | 181.03 | 2.466 | | |
| 12,500.00 | 7,153.28 | 12,440.65 | 7,171.23 | 91.98 | 91.74 | -92.33 | -1,035.29 | 5,409.97 | 442.34 | 258.03 | 184.31 | 2.400 | | |
| 12,600.00 | 7,153.16 | 12,540.57 | 7,171.48 | 93.61 | 93.38 | -92.40 | -1,039.58 | 5,509.79 | 438.33 | 250.74 | 187.59 | 2.337 | | |
| 12,700.00 | 7,153.04 | 12,640.49 | 7,171.74 | 95.24 | 95.03 | -92.47 | -1,043.87 | 5,609.62 | 434.33 | 243.45 | 190.87 | 2.275 | | |
| 12,800.00 | 7,152.92 | 12,740.41 | 7,171.99 | 96.87 | 96.68 | -92.54 | -1,048.15 | 5,709.45 | 430.32 | 236.16 | 194.16 | 2.216 | | |
| 12,900.00 | 7,152.81 | 12,840.33 | 7,172.24 | 98.50 | 98.32 | -92.62 | -1,052.44 | 5,809.27 | 426.32 | 228.87 | 197.45 | 2.159 | | |
| 13,000.00 | 7,152.69 | 12,940.25 | 7,172.50 | 100.14 | 99.97 | -92.69 | -1,056.73 | 5,909.10 | 422.32 | 221.58 | 200.74 | 2.104 | | |
| 13,100.00 | 7,152.57 | 13,040.16 | 7,172.75 | 101.78 | 101.62 | -92.77 | -1,061.02 | 6,008.92 | 418.32 | 214.29 | 204.02 | 2.050 | | |
| 13,200.00 | 7,152.45 | 13,140.08 | 7,173.01 | 103.41 | 103.27 | -92.85 | -1,065.30 | 6,108.75 | 414.31 | 207.00 | 207.32 | 1.998 | | |
| 13,300.00 | 7,152.33 | 13,235.42 | 7,173.25 | 105.05 | 104.85 | -92.92 | -1,069.22 | 6,204.01 | 410.52 | 200.09 | 210.43 | 1.951 | | |
| 13,394.61 | 7,152.22 | 13,318.20 | 7,173.46 | 106.60 | 106.21 | -92.98 | -1,070.65 | 6,286.77 | 409.15 | 196.17 | 212.98 | 1.921 | | |
| 13,400.00 | 7,152.21 | 13,322.92 | 7,173.47 | 106.69 | 106.29 | -92.98 | -1,070.66 | 6,291.49 | 409.16 | 196.04 | 213.12 | 1.920 | | |
| 13,500.00 | 7,152.09 | 13,410.40 | 7,173.70 | 108.33 | 107.72 | -93.01 | -1,069.43 | 6,378.96 | 410.85 | 195.23 | 215.62 | 1.905 | | |
| 13,600.00 | 7,151.98 | 13,503.45 | 7,173.93 | 109.98 | 109.24 | -93.03 | -1,065.55 | 6,471.93 | 415.27 | 196.88 | 218.38 | 1.902 | | |
| 13,700.00 | 7,151.86 | 13,603.33 | 7,174.19 | 111.62 | 110.88 | -93.05 | -1,060.96 | 6,571.71 | 420.14 | 198.48 | 221.67 | 1.895 | | |
| 13,800.00 | 7,151.74 | 13,703.22 | 7,174.44 | 113.26 | 112.51 | -93.06 | -1,056.37 | 6,671.48 | 425.02 | 200.07 | 224.95 | 1.889 | | |
| 13,900.00 | 7,151.62 | 13,803.10 | 7,174.69 | 114.91 | 114.14 | -93.08 | -1,051.78 | 6,771.26 | 429.89 | 201.66 | 228.24 | 1.884 | | |
| 14,000.00 | 7,151.50 | 13,902.98 | 7,174.94 | 116.55 | 115.78 | -93.09 | -1,047.19 | 6,871.03 | 434.77 | 203.24 | 231.53 | 1.878 | | |
| 14,100.00 | 7,151.38 | 14,002.86 | 7,175.20 | 118.20 | 117.42 | -93.11 | -1,042.59 | 6,970.81 | 439.65 | 204.83 | 234.81 | 1.872 | | |
| 14,200.00 | 7,151.26 | 14,102.74 | 7,175.45 | 119.84 | 119.05 | -93.12 | -1,038.00 | 7,070.58 | 444.52 | 206.42 | 238.10 | 1.867 | | |
| 14,300.00 | 7,151.14 | 14,202.62 | 7,175.70 | 121.49 | 120.69 | -93.13 | -1,033.41 | 7,170.36 | 449.40 | 208.00 | 241.39 | 1.862 | | |
| 14,400.00 | 7,151.03 | 14,302.50 | 7,175.96 | 123.14 | 122.33 | -93.15 | -1,028.82 | 7,270.13 | 454.27 | 209.59 | 244.69 | 1.857 | | |
| 14,500.00 | 7,150.91 | 14,402.38 | 7,176.21 | 124.79 | 123.97 | -93.16 | -1,024.23 | 7,369.91 | 459.15 | 211.17 | 247.98 | 1.852 | | |
| 14,600.00 | 7,150.79 | 14,502.26 | 7,176.46 | 126.44 | 125.61 | -93.17 | -1,019.64 | 7,469.68 | 464.02 | 212.75 | 251.27 | 1.847 | | |
| 14,700.00 | 7,150.67 | 14,602.14 | 7,176.71 | 128.09 | 127.25 | -93.18 | -1,015.05 | 7,569.46 | 468.90 | 214.34 | 254.56 | 1.842 | | |
| 14,800.00 | 7,150.55 | 14,721.20 | 7,177.02 | 129.74 | 129.21 | -93.22 | -1,011.94 | 7,688.47 | 471.80 | 212.73 | 259.07 | 1.821 | | |
| 14,900.00 | 7,150.43 | 14,827.29 | 7,177.28 | 131.39 | 130.96 | -93.26 | -1,012.51 | 7,794.55 | 471.53 | 208.86 | 262.67 | 1.795 | | |
| 15,000.00 | 7,150.31 | 14,927.29 | 7,177.54 | 133.04 | 132.62 | -93.31 | -1,013.27 | 7,894.54 | 471.06 | 205.09 | 265.97 | 1.771 | | |
| 15,100.00 | 7,150.20 | 15,027.28 | 7,177.79 | 134.69 | 134.28 | -93.36 | -1,014.03 | 7,994.54 | 470.59 | 201.31 | 269.28 | 1.748 | | |
| 15,200.00 | 7,150.08 | 15,127.28 | 7,178.04 | 136.34 | 135.93 | -93.41 | -1,014.79 | 8,094.53 | 470.12 | 197.54 | 272.58 | 1.725 | | |
| 15,300.00 | 7,149.96 | 15,227.28 | 7,178.30 | 138.00 | 137.59 | -93.46 | -1,015.55 | 8,194.53 | 469.65 | 193.76 | 275.89 | 1.702 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 15,400.00 | 7,149.84 | 15,327.28 | 7,178.55 | 139.65 | 139.25 | -93.51 | -1,016.31 | 8,294.52 | 469.18 | 189.98 | 279.19 | 1.680 | |
| 15,500.00 | 7,149.72 | 15,427.28 | 7,178.80 | 141.30 | 140.91 | -93.56 | -1,017.07 | 8,394.52 | 468.71 | 186.21 | 282.50 | 1.659 | |
| 15,600.00 | 7,149.60 | 15,527.27 | 7,179.06 | 142.96 | 142.57 | -93.61 | -1,017.83 | 8,494.51 | 468.24 | 182.43 | 285.81 | 1.638 | |
| 15,700.00 | 7,149.48 | 15,627.27 | 7,179.31 | 144.61 | 144.23 | -93.66 | -1,018.59 | 8,594.51 | 467.77 | 178.66 | 289.12 | 1.618 | |
| 15,800.00 | 7,149.36 | 15,727.27 | 7,179.56 | 146.27 | 145.89 | -93.71 | -1,019.35 | 8,694.50 | 467.30 | 174.88 | 292.42 | 1.598 | |
| 15,900.00 | 7,149.25 | 15,827.27 | 7,179.82 | 147.92 | 147.55 | -93.76 | -1,020.11 | 8,794.50 | 466.84 | 171.11 | 295.73 | 1.579 | |
| 16,000.00 | 7,149.13 | 15,927.27 | 7,180.07 | 149.58 | 149.21 | -93.80 | -1,020.87 | 8,894.49 | 466.37 | 167.33 | 299.04 | 1.560 | |
| 16,100.00 | 7,149.01 | 16,027.26 | 7,180.32 | 151.23 | 150.87 | -93.85 | -1,021.63 | 8,994.49 | 465.90 | 163.56 | 302.34 | 1.541 | |
| 16,200.00 | 7,148.89 | 16,127.26 | 7,180.58 | 152.89 | 152.53 | -93.90 | -1,022.39 | 9,094.48 | 465.44 | 159.78 | 305.65 | 1.523 | |
| 16,300.00 | 7,148.77 | 16,227.26 | 7,180.83 | 154.55 | 154.19 | -93.95 | -1,023.15 | 9,194.48 | 464.97 | 156.01 | 308.96 | 1.505 | |
| 16,400.00 | 7,148.65 | 16,327.26 | 7,181.08 | 156.20 | 155.85 | -94.00 | -1,023.91 | 9,294.47 | 464.50 | 152.24 | 312.27 | 1.488 | Level 3 |
| 16,500.00 | 7,148.53 | 16,427.26 | 7,181.34 | 157.86 | 157.51 | -94.05 | -1,024.66 | 9,394.47 | 464.04 | 148.47 | 315.57 | 1.470 | Level 3 |
| 16,600.00 | 7,148.42 | 16,527.26 | 7,181.59 | 159.52 | 159.17 | -94.10 | -1,025.42 | 9,494.46 | 463.57 | 144.69 | 318.88 | 1.454 | Level 3 |
| 16,700.00 | 7,148.30 | 16,627.25 | 7,181.84 | 161.18 | 160.84 | -94.15 | -1,026.18 | 9,594.46 | 463.11 | 140.92 | 322.19 | 1.437 | Level 3 |
| 16,800.00 | 7,148.18 | 16,727.25 | 7,182.10 | 162.83 | 162.50 | -94.20 | -1,026.94 | 9,694.45 | 462.64 | 137.15 | 325.49 | 1.421 | Level 3 |
| 16,900.00 | 7,148.06 | 16,827.25 | 7,182.35 | 164.49 | 164.16 | -94.26 | -1,027.70 | 9,794.45 | 462.18 | 133.38 | 328.80 | 1.406 | Level 3 |
| 17,000.00 | 7,147.94 | 16,927.25 | 7,182.60 | 166.15 | 165.82 | -94.31 | -1,028.46 | 9,894.44 | 461.72 | 129.61 | 332.11 | 1.390 | Level 3 |
| 17,100.00 | 7,147.82 | 17,027.25 | 7,182.86 | 167.81 | 167.49 | -94.36 | -1,029.22 | 9,994.44 | 461.25 | 125.84 | 335.41 | 1.375 | Level 3 |
| 17,200.00 | 7,147.70 | 17,127.24 | 7,183.11 | 169.47 | 169.15 | -94.41 | -1,029.98 | 10,094.43 | 460.79 | 122.07 | 338.72 | 1.360 | Level 3 |
| 17,300.00 | 7,147.58 | 17,227.24 | 7,183.36 | 171.13 | 170.81 | -94.46 | -1,030.74 | 10,194.43 | 460.33 | 118.30 | 342.03 | 1.346 | Level 3 |
| 17,400.00 | 7,147.47 | 17,327.24 | 7,183.62 | 172.79 | 172.48 | -94.51 | -1,031.50 | 10,294.42 | 459.86 | 114.53 | 345.33 | 1.332 | Level 3 |
| 17,500.00 | 7,147.35 | 17,427.24 | 7,183.87 | 174.45 | 174.14 | -94.56 | -1,032.26 | 10,394.42 | 459.40 | 110.76 | 348.64 | 1.318 | Level 3 |
| 17,600.00 | 7,147.23 | 17,527.24 | 7,184.12 | 176.11 | 175.80 | -94.61 | -1,033.02 | 10,494.41 | 458.94 | 107.00 | 351.94 | 1.304 | Level 3 |
| 17,700.00 | 7,147.11 | 17,627.23 | 7,184.38 | 177.77 | 177.47 | -94.66 | -1,033.78 | 10,594.40 | 458.48 | 103.23 | 355.25 | 1.291 | Level 3 |
| 17,800.00 | 7,146.99 | 17,727.23 | 7,184.63 | 179.43 | 179.13 | -94.71 | -1,034.54 | 10,694.40 | 458.02 | 99.47 | 358.55 | 1.277 | Level 3 |
| 17,900.00 | 7,146.87 | 17,827.23 | 7,184.88 | 181.09 | 180.79 | -94.77 | -1,035.30 | 10,794.39 | 457.56 | 95.70 | 361.86 | 1.264 | Level 3 |
| 18,000.00 | 7,146.75 | 17,927.23 | 7,185.14 | 182.75 | 182.46 | -94.82 | -1,036.06 | 10,894.39 | 457.10 | 91.94 | 365.16 | 1.252 | Level 3 |
| 18,100.00 | 7,146.64 | 18,027.23 | 7,185.39 | 184.41 | 184.12 | -94.87 | -1,036.82 | 10,994.38 | 456.64 | 88.17 | 368.47 | 1.239 | Level 2 |
| 18,200.00 | 7,146.52 | 18,127.22 | 7,185.64 | 186.08 | 185.79 | -94.92 | -1,037.58 | 11,094.38 | 456.18 | 84.41 | 371.77 | 1.227 | Level 2 |
| 18,300.00 | 7,146.40 | 18,227.22 | 7,185.90 | 187.74 | 187.45 | -94.97 | -1,038.34 | 11,194.37 | 455.72 | 80.65 | 375.07 | 1.215 | Level 2 |
| 18,400.00 | 7,146.28 | 18,327.22 | 7,186.15 | 189.40 | 189.12 | -95.02 | -1,039.10 | 11,294.37 | 455.26 | 76.89 | 378.37 | 1.203 | Level 2 |
| 18,500.00 | 7,146.16 | 18,427.22 | 7,186.40 | 191.06 | 190.78 | -95.08 | -1,039.86 | 11,394.36 | 454.80 | 73.13 | 381.68 | 1.192 | Level 2 |
| 18,600.00 | 7,146.04 | 18,527.22 | 7,186.66 | 192.72 | 192.45 | -95.13 | -1,040.62 | 11,494.36 | 454.35 | 69.37 | 384.98 | 1.180 | Level 2 |
| 18,700.00 | 7,145.92 | 18,627.22 | 7,186.91 | 194.39 | 194.11 | -95.18 | -1,041.38 | 11,594.35 | 453.89 | 65.61 | 388.28 | 1.169 | Level 2 |
| 18,800.00 | 7,145.80 | 18,727.21 | 7,187.16 | 196.05 | 195.78 | -95.23 | -1,042.13 | 11,694.35 | 453.43 | 61.85 | 391.58 | 1.158 | Level 2 |
| 18,900.00 | 7,145.69 | 18,827.21 | 7,187.42 | 197.71 | 197.44 | -95.29 | -1,042.89 | 11,794.34 | 452.97 | 58.09 | 394.88 | 1.147 | Level 2 |
| 19,000.00 | 7,145.57 | 18,927.21 | 7,187.67 | 199.37 | 199.11 | -95.34 | -1,043.65 | 11,894.34 | 452.52 | 54.34 | 398.18 | 1.136 | Level 2 |
| 19,100.00 | 7,145.45 | 19,027.21 | 7,187.92 | 201.04 | 200.78 | -95.39 | -1,044.41 | 11,994.33 | 452.06 | 50.58 | 401.48 | 1.126 | Level 2 |
| 19,200.00 | 7,145.33 | 19,127.21 | 7,188.18 | 202.70 | 202.44 | -95.44 | -1,045.17 | 12,094.33 | 451.61 | 46.83 | 404.78 | 1.116 | Level 2 |
| 19,300.00 | 7,145.21 | 19,227.20 | 7,188.43 | 204.36 | 204.11 | -95.50 | -1,045.93 | 12,194.32 | 451.15 | 43.07 | 408.08 | 1.106 | Level 2 |
| 19,400.00 | 7,145.09 | 19,327.20 | 7,188.68 | 206.03 | 205.77 | -95.55 | -1,046.69 | 12,294.32 | 450.70 | 39.32 | 411.38 | 1.096 | Level 2 |
| 19,500.00 | 7,144.97 | 19,427.20 | 7,188.94 | 207.69 | 207.44 | -95.60 | -1,047.45 | 12,394.31 | 450.24 | 35.57 | 414.67 | 1.086 | Level 2 |
| 19,600.00 | 7,144.86 | 19,527.20 | 7,189.19 | 209.35 | 209.11 | -95.66 | -1,048.21 | 12,494.31 | 449.79 | 31.82 | 417.97 | 1.076 | Level 2 |
| 19,700.00 | 7,144.74 | 19,627.20 | 7,189.44 | 211.02 | 210.77 | -95.71 | -1,048.97 | 12,594.30 | 449.33 | 28.07 | 421.27 | 1.067 | Level 2 |
| 19,800.00 | 7,144.62 | 19,727.19 | 7,189.70 | 212.68 | 212.44 | -95.76 | -1,049.73 | 12,694.30 | 448.88 | 24.32 | 424.56 | 1.057 | Level 2 |
| 19,900.00 | 7,144.50 | 19,827.19 | 7,189.95 | 214.35 | 214.11 | -95.82 | -1,050.49 | 12,794.29 | 448.43 | 20.57 | 427.86 | 1.048 | Level 2 |
| 20,000.00 | 7,144.38 | 19,927.19 | 7,190.20 | 216.01 | 215.77 | -95.87 | -1,051.25 | 12,894.29 | 447.98 | 16.83 | 431.15 | 1.039 | Level 2 |
| 20,100.00 | 7,144.26 | 20,027.19 | 7,190.45 | 217.67 | 217.44 | -95.92 | -1,052.01 | 12,994.28 | 447.52 | 13.08 | 434.44 | 1.030 | Level 2 |
| 20,200.00 | 7,144.14 | 20,127.19 | 7,190.71 | 219.34 | 219.11 | -95.98 | -1,052.77 | 13,094.28 | 447.07 | 9.34 | 437.74 | 1.021 | Level 2 |
| 20,300.00 | 7,144.02 | 20,227.19 | 7,190.96 | 221.00 | 220.77 | -96.03 | -1,053.53 | 13,194.27 | 446.62 | 5.59 | 441.03 | 1.013 | Level 2 |
| 20,319.29 | 7,144.00 | 20,246.47 | 7,191.01 | 221.32 | 221.09 | -96.04 | -1,053.67 | 13,213.56 | 446.53 | 4.87 | 441.66 | 1.011 | Level 2, ES, SF |
| 20,320.42 | 7,144.00 | 20,242.80 | 7,191.00 | 221.34 | 221.04 | -96.04 | -1,053.65 | 13,209.88 | 446.55 | 5.11 | 441.45 | 1.012 | Level 2 |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: 0.00 usft | |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|---------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: 3.28 usft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 0.00 | 20.04 | 0.00 | 20.04 | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 3.28 | 3.28 | 0.00 | 20.04 | 0.00 | 20.04 | 12.51 | 7.53 | 2.661 | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 3.31 | 3.31 | 0.00 | 20.04 | 0.00 | 20.04 | 12.46 | 7.57 | 2.645 | | |
| 300.00 | 299.98 | 300.70 | 300.68 | 3.34 | 3.35 | 177.13 | 18.27 | -0.10 | 20.02 | 12.37 | 7.65 | 2.618 | | |
| 400.00 | 399.84 | 401.41 | 401.24 | 3.40 | 3.41 | 177.05 | 12.97 | -0.38 | 19.99 | 12.24 | 7.75 | 2.578 | | |
| 500.00 | 499.45 | 502.11 | 501.55 | 3.49 | 3.49 | 176.93 | 4.15 | -0.86 | 19.93 | 12.04 | 7.89 | 2.525 | | |
| 600.00 | 598.70 | 602.80 | 601.48 | 3.60 | 3.60 | 176.77 | -8.19 | -1.53 | 19.85 | 11.78 | 8.07 | 2.459 | | |
| 700.00 | 697.47 | 703.50 | 700.91 | 3.75 | 3.76 | 176.55 | -24.03 | -2.39 | 19.74 | 11.45 | 8.29 | 2.381 | | |
| 734.66 | 731.56 | 738.40 | 735.24 | 3.82 | 3.82 | 176.46 | -30.33 | -2.73 | 19.70 | 11.32 | 8.38 | 2.352 CC | | |
| 800.00 | 795.62 | 803.71 | 799.41 | 3.95 | 3.95 | 176.44 | -42.44 | -3.38 | 20.44 | 11.86 | 8.58 | 2.383 | | |
| 900.00 | 893.30 | 903.67 | 897.63 | 4.18 | 4.17 | 176.69 | -60.97 | -4.39 | 23.37 | 14.44 | 8.92 | 2.618 | | |
| 1,000.00 | 990.96 | 1,003.62 | 995.85 | 4.45 | 4.42 | 176.89 | -79.50 | -5.39 | 26.37 | 17.06 | 9.30 | 2.834 | | |
| 1,100.00 | 1,088.62 | 1,103.58 | 1,094.06 | 4.74 | 4.69 | 177.05 | -98.03 | -6.39 | 29.37 | 19.65 | 9.72 | 3.023 | | |
| 1,200.00 | 1,186.28 | 1,203.53 | 1,192.28 | 5.05 | 4.98 | 177.18 | -116.56 | -7.40 | 32.37 | 22.21 | 10.16 | 3.187 | | |
| 1,300.00 | 1,283.94 | 1,303.49 | 1,290.50 | 5.38 | 5.28 | 177.29 | -135.10 | -8.40 | 35.37 | 24.75 | 10.62 | 3.330 | | |
| 1,400.00 | 1,381.60 | 1,403.44 | 1,388.71 | 5.73 | 5.60 | 177.38 | -153.63 | -9.41 | 38.37 | 27.27 | 11.11 | 3.456 | | |
| 1,500.00 | 1,479.26 | 1,503.40 | 1,486.93 | 6.08 | 5.92 | 177.46 | -172.16 | -10.41 | 41.38 | 29.77 | 11.61 | 3.565 | | |
| 1,600.00 | 1,576.92 | 1,603.35 | 1,585.15 | 6.45 | 6.26 | 177.52 | -190.69 | -11.41 | 44.38 | 32.25 | 12.13 | 3.660 | | |
| 1,700.00 | 1,674.58 | 1,703.31 | 1,683.36 | 6.82 | 6.60 | 177.58 | -209.22 | -12.42 | 47.38 | 34.72 | 12.66 | 3.743 | | |
| 1,800.00 | 1,772.24 | 1,803.26 | 1,781.58 | 7.21 | 6.94 | 177.63 | -227.75 | -13.42 | 50.38 | 37.19 | 13.20 | 3.818 | | |
| 1,900.00 | 1,869.90 | 1,903.22 | 1,879.80 | 7.42 | 7.14 | 177.68 | -246.28 | -14.42 | 53.39 | 40.29 | 13.10 | 4.076 | | |
| 2,000.00 | 1,967.56 | 2,003.17 | 1,978.02 | 7.47 | 7.18 | 177.72 | -264.81 | -15.43 | 56.39 | 43.26 | 13.13 | 4.295 | | |
| 2,100.00 | 2,065.22 | 2,103.12 | 2,076.23 | 7.54 | 7.24 | 177.76 | -283.34 | -16.43 | 59.39 | 46.20 | 13.20 | 4.500 | | |
| 2,200.00 | 2,162.88 | 2,203.08 | 2,174.45 | 7.63 | 7.32 | 177.79 | -301.88 | -17.43 | 62.39 | 49.10 | 13.30 | 4.692 | | |
| 2,300.00 | 2,260.54 | 2,303.03 | 2,272.67 | 7.74 | 7.42 | 177.82 | -320.41 | -18.44 | 65.40 | 51.97 | 13.43 | 4.869 | | |
| 2,400.00 | 2,358.20 | 2,402.99 | 2,370.88 | 7.87 | 7.53 | 177.85 | -338.94 | -19.44 | 68.40 | 54.80 | 13.60 | 5.031 | | |
| 2,500.00 | 2,455.85 | 2,502.94 | 2,469.10 | 8.01 | 7.66 | 177.88 | -357.47 | -20.44 | 71.40 | 57.61 | 13.79 | 5.177 | | |
| 2,600.00 | 2,553.51 | 2,602.90 | 2,567.32 | 8.17 | 7.80 | 177.90 | -376.00 | -21.45 | 74.40 | 60.39 | 14.02 | 5.309 | | |
| 2,700.00 | 2,651.17 | 2,702.85 | 2,665.53 | 8.34 | 7.96 | 177.92 | -394.53 | -22.45 | 77.41 | 63.14 | 14.27 | 5.426 | | |
| 2,800.00 | 2,748.83 | 2,802.81 | 2,763.75 | 8.52 | 8.13 | 177.94 | -413.06 | -23.46 | 80.41 | 65.87 | 14.54 | 5.529 | | |
| 2,900.00 | 2,846.49 | 2,902.76 | 2,861.97 | 8.72 | 8.31 | 177.96 | -431.59 | -24.46 | 83.41 | 68.57 | 14.85 | 5.618 | | |
| 3,000.00 | 2,944.15 | 3,002.72 | 2,960.19 | 8.93 | 8.50 | 177.98 | -450.13 | -25.46 | 86.42 | 71.24 | 15.17 | 5.696 | | |
| 3,100.00 | 3,041.81 | 3,102.67 | 3,058.40 | 9.16 | 8.70 | 177.99 | -468.66 | -26.47 | 89.42 | 73.90 | 15.52 | 5.763 | | |
| 3,200.00 | 3,139.47 | 3,202.63 | 3,156.62 | 9.39 | 8.92 | 178.01 | -487.19 | -27.47 | 92.42 | 76.54 | 15.88 | 5.819 | | |
| 3,300.00 | 3,237.13 | 3,302.58 | 3,254.84 | 9.63 | 9.14 | 178.02 | -505.72 | -28.47 | 95.42 | 79.16 | 16.27 | 5.866 | | |
| 3,400.00 | 3,334.79 | 3,402.54 | 3,353.05 | 9.88 | 9.37 | 178.03 | -524.25 | -29.48 | 98.43 | 81.76 | 16.67 | 5.905 | | |
| 3,500.00 | 3,432.45 | 3,502.49 | 3,451.27 | 10.14 | 9.61 | 178.05 | -542.78 | -30.48 | 101.43 | 84.34 | 17.09 | 5.936 | | |
| 3,600.00 | 3,530.11 | 3,602.45 | 3,549.49 | 10.41 | 9.86 | 178.06 | -561.31 | -31.48 | 104.43 | 86.91 | 17.52 | 5.961 | | |
| 3,700.00 | 3,627.77 | 3,702.40 | 3,647.70 | 10.68 | 10.11 | 178.07 | -579.84 | -32.49 | 107.43 | 89.47 | 17.97 | 5.980 | | |
| 3,800.00 | 3,725.43 | 3,802.36 | 3,745.92 | 10.96 | 10.37 | 178.08 | -598.37 | -33.49 | 110.44 | 92.01 | 18.43 | 5.994 | | |
| 3,900.00 | 3,823.09 | 3,902.31 | 3,844.14 | 11.25 | 10.64 | 178.09 | -616.91 | -34.50 | 113.44 | 94.54 | 18.90 | 6.003 | | |
| 4,000.00 | 3,920.75 | 4,002.27 | 3,942.36 | 11.54 | 10.91 | 178.10 | -635.44 | -35.50 | 116.44 | 97.06 | 19.38 | 6.009 | | |
| 4,100.00 | 4,018.41 | 4,102.22 | 4,040.57 | 11.84 | 11.18 | 178.11 | -653.97 | -36.50 | 119.45 | 99.58 | 19.87 | 6.012 | | |
| 4,200.00 | 4,116.07 | 4,202.18 | 4,138.79 | 12.14 | 11.47 | 178.12 | -672.50 | -37.51 | 122.45 | 102.08 | 20.37 | 6.011 | | |
| 4,300.00 | 4,213.73 | 4,302.13 | 4,237.01 | 12.45 | 11.75 | 178.12 | -691.03 | -38.51 | 125.45 | 104.57 | 20.88 | 6.008 | | |
| 4,400.00 | 4,311.39 | 4,402.09 | 4,335.22 | 12.76 | 12.04 | 178.13 | -709.56 | -39.51 | 128.45 | 107.06 | 21.40 | 6.003 | | |
| 4,500.00 | 4,409.05 | 4,502.04 | 4,433.44 | 13.08 | 12.33 | 178.14 | -728.09 | -40.52 | 131.46 | 109.53 | 21.92 | 5.997 | | |
| 4,600.00 | 4,506.71 | 4,602.00 | 4,531.66 | 13.40 | 12.63 | 178.15 | -746.62 | -41.52 | 134.46 | 112.01 | 22.45 | 5.988 | | |
| 4,700.00 | 4,604.37 | 4,701.95 | 4,629.87 | 13.72 | 12.93 | 178.15 | -765.15 | -42.52 | 137.46 | 114.47 | 22.99 | 5.979 | | |
| 4,800.00 | 4,702.03 | 4,801.91 | 4,728.09 | 14.04 | 13.23 | 178.16 | -783.69 | -43.53 | 140.46 | 116.93 | 23.53 | 5.968 | | |
| 4,900.00 | 4,799.69 | 4,901.86 | 4,826.31 | 14.37 | 13.54 | 178.17 | -802.22 | -44.53 | 143.47 | 119.38 | 24.08 | 5.957 | | |
| 5,000.00 | 4,897.35 | 5,001.82 | 4,924.52 | 14.70 | 13.85 | 178.17 | -820.75 | -45.54 | 146.47 | 121.83 | 24.64 | 5.945 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 5,100.00 | 4,995.01 | 5,101.77 | 5,022.74 | 15.03 | 14.16 | 178.18 | -839.28 | -46.54 | 149.47 | 124.27 | 25.20 | 5.932 | | |
| 5,200.00 | 5,092.67 | 5,201.73 | 5,120.96 | 15.37 | 14.47 | 178.18 | -857.81 | -47.54 | 152.48 | 126.71 | 25.76 | 5.919 | | |
| 5,300.00 | 5,190.33 | 5,301.68 | 5,219.18 | 15.71 | 14.78 | 178.19 | -876.34 | -48.55 | 155.48 | 129.15 | 26.33 | 5.905 | | |
| 5,400.00 | 5,287.99 | 5,401.64 | 5,317.39 | 16.05 | 15.10 | 178.19 | -894.87 | -49.55 | 158.48 | 131.58 | 26.90 | 5.891 | | |
| 5,500.00 | 5,385.65 | 5,501.59 | 5,415.61 | 16.39 | 15.42 | 178.20 | -913.40 | -50.55 | 161.48 | 134.01 | 27.48 | 5.877 | | |
| 5,600.00 | 5,483.31 | 5,601.55 | 5,513.83 | 16.73 | 15.74 | 178.20 | -931.93 | -51.56 | 164.49 | 136.43 | 28.06 | 5.863 | | |
| 5,700.00 | 5,580.97 | 5,701.50 | 5,612.04 | 17.08 | 16.06 | 178.21 | -950.47 | -52.56 | 167.49 | 138.85 | 28.64 | 5.849 | | |
| 5,800.00 | 5,678.63 | 5,801.46 | 5,710.26 | 17.42 | 16.39 | 178.21 | -969.00 | -53.56 | 170.49 | 141.27 | 29.22 | 5.834 | | |
| 5,900.00 | 5,776.29 | 5,901.41 | 5,808.48 | 17.77 | 16.71 | 178.22 | -987.53 | -54.57 | 173.49 | 143.68 | 29.81 | 5.820 | | |
| 6,000.00 | 5,873.95 | 6,001.37 | 5,906.69 | 18.12 | 17.04 | 178.22 | -1,006.06 | -55.57 | 176.50 | 146.10 | 30.40 | 5.806 | | |
| 6,100.00 | 5,971.61 | 6,101.32 | 6,004.91 | 18.47 | 17.37 | 178.22 | -1,024.59 | -56.57 | 179.50 | 148.51 | 30.99 | 5.791 | | |
| 6,200.00 | 6,069.26 | 6,201.28 | 6,103.13 | 18.82 | 17.70 | 178.23 | -1,043.12 | -57.58 | 182.50 | 150.91 | 31.59 | 5.777 | | |
| 6,300.00 | 6,166.92 | 6,301.23 | 6,201.35 | 19.18 | 18.03 | 178.23 | -1,061.65 | -58.58 | 185.51 | 153.32 | 32.19 | 5.763 | | |
| 6,400.00 | 6,264.58 | 6,401.19 | 6,299.56 | 19.53 | 18.36 | 178.23 | -1,080.18 | -59.59 | 188.51 | 155.72 | 32.79 | 5.749 | | |
| 6,500.00 | 6,362.24 | 6,501.14 | 6,397.78 | 19.89 | 18.70 | 178.24 | -1,098.71 | -60.59 | 191.51 | 158.12 | 33.39 | 5.736 | | |
| 6,600.00 | 6,459.90 | 6,601.10 | 6,496.00 | 20.24 | 19.03 | 178.24 | -1,117.25 | -61.59 | 194.51 | 160.52 | 33.99 | 5.722 | | |
| 6,700.00 | 6,557.56 | 6,701.04 | 6,594.21 | 20.59 | 19.36 | -170.78 | -1,135.78 | -62.60 | 197.51 | 162.91 | 34.60 | 5.709 | | |
| 6,800.00 | 6,654.52 | 6,800.23 | 6,691.39 | 20.88 | 19.65 | -139.61 | -1,153.98 | -63.61 | 200.64 | 165.50 | 35.14 | 5.709 | | |
| 6,900.00 | 6,748.60 | 6,900.09 | 6,787.07 | 21.16 | 19.91 | -124.07 | -1,171.62 | -64.62 | 204.09 | 168.44 | 35.65 | 5.725 | | |
| 7,000.00 | 6,837.47 | 7,000.65 | 6,878.85 | 21.44 | 20.17 | -116.54 | -1,188.26 | -65.63 | 207.77 | 171.64 | 36.13 | 5.750 | | |
| 7,100.00 | 6,918.94 | 7,101.91 | 6,964.34 | 21.70 | 20.41 | -112.56 | -1,203.45 | -66.64 | 211.59 | 174.98 | 36.61 | 5.779 | | |
| 7,200.00 | 6,991.02 | 7,203.86 | 7,041.20 | 21.95 | 20.65 | -110.33 | -1,216.78 | -67.65 | 215.43 | 178.29 | 37.14 | 5.801 | | |
| 7,300.00 | 7,051.93 | 7,306.47 | 7,107.25 | 22.19 | 20.87 | -109.02 | -1,227.84 | -68.66 | 219.18 | 181.40 | 37.78 | 5.801 | | |
| 7,400.00 | 7,100.16 | 7,409.68 | 7,160.50 | 22.43 | 21.10 | -108.27 | -1,236.32 | -69.67 | 222.72 | 184.11 | 38.62 | 5.768 | | |
| 7,500.00 | 7,134.53 | 7,513.42 | 7,199.30 | 22.69 | 21.35 | -107.85 | -1,241.93 | -70.68 | 225.95 | 186.25 | 39.70 | 5.691 | | |
| 7,600.00 | 7,154.20 | 7,617.60 | 7,222.37 | 23.01 | 21.67 | -107.67 | -1,244.48 | -71.69 | 228.77 | 187.71 | 41.07 | 5.571 | | |
| 7,700.00 | 7,158.98 | 7,721.50 | 7,229.04 | 23.42 | 22.11 | -107.65 | -1,243.89 | -72.70 | 231.08 | 188.42 | 42.67 | 5.416 | | |
| 7,800.00 | 7,158.86 | 7,821.48 | 7,229.32 | 23.96 | 22.69 | -107.60 | -1,242.17 | -73.71 | 233.10 | 188.75 | 44.35 | 5.256 | | |
| 7,900.00 | 7,158.74 | 7,921.46 | 7,229.59 | 24.64 | 23.42 | -107.54 | -1,240.44 | -74.72 | 235.12 | 188.92 | 46.19 | 5.090 | | |
| 8,000.00 | 7,158.62 | 8,021.44 | 7,229.87 | 25.44 | 24.28 | -107.49 | -1,238.72 | -75.73 | 237.14 | 188.95 | 48.19 | 4.921 | | |
| 8,100.00 | 7,158.50 | 8,121.42 | 7,230.15 | 26.35 | 25.24 | -107.44 | -1,236.99 | -76.74 | 239.15 | 188.85 | 50.31 | 4.754 | | |
| 8,200.00 | 7,158.38 | 8,221.40 | 7,230.43 | 27.36 | 26.29 | -107.38 | -1,235.27 | -77.75 | 241.17 | 188.63 | 52.55 | 4.590 | | |
| 8,300.00 | 7,158.26 | 8,321.37 | 7,230.70 | 28.43 | 27.41 | -107.33 | -1,233.55 | -78.76 | 243.19 | 188.31 | 54.88 | 4.431 | | |
| 8,400.00 | 7,158.15 | 8,421.35 | 7,230.98 | 29.58 | 28.59 | -107.28 | -1,231.82 | -79.77 | 245.21 | 187.90 | 57.31 | 4.279 | | |
| 8,500.00 | 7,158.03 | 8,521.33 | 7,231.26 | 30.77 | 29.82 | -107.23 | -1,230.10 | -80.78 | 247.23 | 187.42 | 59.81 | 4.134 | | |
| 8,600.00 | 7,157.91 | 8,621.31 | 7,231.54 | 32.02 | 31.09 | -107.18 | -1,228.37 | -81.79 | 249.25 | 186.87 | 62.38 | 3.996 | | |
| 8,700.00 | 7,157.79 | 8,721.29 | 7,231.81 | 33.30 | 32.40 | -107.14 | -1,226.65 | -82.80 | 251.27 | 186.26 | 65.01 | 3.865 | | |
| 8,800.00 | 7,157.67 | 8,821.27 | 7,232.09 | 34.62 | 33.74 | -107.09 | -1,224.92 | -83.81 | 253.29 | 185.60 | 67.69 | 3.742 | | |
| 8,900.00 | 7,157.55 | 8,921.25 | 7,232.37 | 35.97 | 35.11 | -107.04 | -1,223.20 | -84.82 | 255.31 | 184.89 | 70.42 | 3.625 | | |
| 9,000.00 | 7,157.43 | 9,021.23 | 7,232.65 | 37.35 | 36.51 | -107.00 | -1,221.47 | -85.83 | 257.33 | 184.13 | 73.20 | 3.516 | | |
| 9,100.00 | 7,157.32 | 9,121.21 | 7,232.93 | 38.75 | 37.93 | -106.95 | -1,219.75 | -86.84 | 259.35 | 183.34 | 76.01 | 3.412 | | |
| 9,200.00 | 7,157.20 | 9,223.34 | 7,233.21 | 40.17 | 39.40 | -106.91 | -1,218.09 | -87.85 | 261.28 | 182.29 | 78.99 | 3.308 | | |
| 9,300.00 | 7,157.08 | 9,328.32 | 7,233.50 | 41.61 | 40.93 | -107.02 | -1,218.71 | -88.86 | 261.07 | 178.89 | 82.18 | 3.177 | | |
| 9,400.00 | 7,156.96 | 9,428.31 | 7,233.78 | 43.07 | 42.42 | -107.16 | -1,219.84 | -89.87 | 260.36 | 175.30 | 85.06 | 3.061 | | |
| 9,500.00 | 7,156.84 | 9,528.31 | 7,234.05 | 44.55 | 43.92 | -107.30 | -1,220.96 | -90.88 | 259.66 | 171.69 | 87.97 | 2.952 | | |
| 9,600.00 | 7,156.72 | 9,628.30 | 7,234.33 | 46.03 | 45.43 | -107.44 | -1,222.09 | -91.89 | 258.96 | 168.06 | 90.89 | 2.849 | | |
| 9,700.00 | 7,156.60 | 9,728.30 | 7,234.61 | 47.53 | 46.95 | -107.58 | -1,223.21 | -92.90 | 258.26 | 164.42 | 93.83 | 2.752 | | |
| 9,800.00 | 7,156.48 | 9,828.29 | 7,234.88 | 49.04 | 48.48 | -107.72 | -1,224.34 | -93.91 | 257.56 | 160.77 | 96.78 | 2.661 | | |
| 9,900.00 | 7,156.37 | 9,928.29 | 7,235.16 | 50.57 | 50.02 | -107.87 | -1,225.46 | -94.92 | 256.86 | 157.11 | 99.75 | 2.575 | | |
| 10,000.00 | 7,156.25 | 10,028.28 | 7,235.44 | 52.10 | 51.57 | -108.01 | -1,226.59 | -95.93 | 256.16 | 153.44 | 102.72 | 2.494 | | |
| 10,100.00 | 7,156.13 | 10,128.28 | 7,235.71 | 53.64 | 53.13 | -108.15 | -1,227.72 | -96.94 | 255.47 | 149.77 | 105.70 | 2.417 | | |
| 10,200.00 | 7,156.01 | 10,228.27 | 7,235.99 | 55.18 | 54.69 | -108.30 | -1,228.84 | -97.95 | 254.78 | 146.08 | 108.69 | 2.344 | | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | |
| 10,300.00 | 7,155.89 | 10,328.27 | 7,236.27 | 56.74 | 56.26 | -108.44 | -1,229.97 | 3,193.55 | 254.09 | 142.39 | 111.69 | 2.275 | |
| 10,400.00 | 7,155.77 | 10,428.27 | 7,236.54 | 58.30 | 57.84 | -108.59 | -1,231.09 | 3,293.54 | 253.40 | 138.70 | 114.69 | 2.209 | |
| 10,500.00 | 7,155.65 | 10,528.26 | 7,236.82 | 59.86 | 59.42 | -108.74 | -1,232.22 | 3,393.53 | 252.71 | 135.01 | 117.70 | 2.147 | |
| 10,600.00 | 7,155.54 | 10,628.26 | 7,237.10 | 61.44 | 61.00 | -108.88 | -1,233.35 | 3,493.52 | 252.02 | 131.31 | 120.71 | 2.088 | |
| 10,700.00 | 7,155.42 | 10,728.25 | 7,237.38 | 63.01 | 62.59 | -109.03 | -1,234.47 | 3,593.51 | 251.34 | 127.61 | 123.73 | 2.031 | |
| 10,800.00 | 7,155.30 | 10,828.25 | 7,237.65 | 64.59 | 64.19 | -109.18 | -1,235.60 | 3,693.50 | 250.66 | 123.91 | 126.74 | 1.978 | |
| 10,900.00 | 7,155.18 | 10,928.24 | 7,237.93 | 66.18 | 65.78 | -109.33 | -1,236.72 | 3,793.48 | 249.98 | 120.21 | 129.76 | 1.926 | |
| 11,000.00 | 7,155.06 | 11,028.24 | 7,238.21 | 67.77 | 67.39 | -109.48 | -1,237.85 | 3,893.47 | 249.30 | 116.51 | 132.78 | 1.877 | |
| 11,100.00 | 7,154.94 | 11,128.23 | 7,238.48 | 69.37 | 68.99 | -109.64 | -1,238.98 | 3,993.46 | 248.62 | 112.81 | 135.80 | 1.831 | |
| 11,200.00 | 7,154.82 | 11,228.23 | 7,238.76 | 70.96 | 70.60 | -109.79 | -1,240.10 | 4,093.45 | 247.94 | 109.12 | 138.83 | 1.786 | |
| 11,300.00 | 7,154.70 | 11,328.23 | 7,239.04 | 72.57 | 72.21 | -109.94 | -1,241.23 | 4,193.44 | 247.27 | 105.42 | 141.85 | 1.743 | |
| 11,400.00 | 7,154.59 | 11,428.22 | 7,239.31 | 74.17 | 73.82 | -110.10 | -1,242.35 | 4,293.43 | 246.60 | 101.73 | 144.87 | 1.702 | |
| 11,500.00 | 7,154.47 | 11,528.22 | 7,239.59 | 75.78 | 75.44 | -110.25 | -1,243.48 | 4,393.42 | 245.93 | 98.04 | 147.89 | 1.663 | |
| 11,600.00 | 7,154.35 | 11,628.21 | 7,239.87 | 77.39 | 77.06 | -110.41 | -1,244.61 | 4,493.41 | 245.26 | 94.35 | 150.91 | 1.625 | |
| 11,700.00 | 7,154.23 | 11,728.21 | 7,240.14 | 79.00 | 78.68 | -110.56 | -1,245.73 | 4,593.39 | 244.59 | 90.67 | 153.92 | 1.589 | |
| 11,800.00 | 7,154.11 | 11,828.20 | 7,240.42 | 80.61 | 80.30 | -110.72 | -1,246.86 | 4,693.38 | 243.93 | 86.99 | 156.94 | 1.554 | |
| 11,900.00 | 7,153.99 | 11,928.20 | 7,240.70 | 82.23 | 81.93 | -110.88 | -1,247.98 | 4,793.37 | 243.27 | 83.32 | 159.95 | 1.521 | |
| 12,000.00 | 7,153.87 | 12,028.19 | 7,240.97 | 83.85 | 83.56 | -111.04 | -1,249.11 | 4,893.36 | 242.60 | 79.65 | 162.96 | 1.489 Level 3 | |
| 12,100.00 | 7,153.76 | 12,128.19 | 7,241.25 | 85.47 | 85.19 | -111.20 | -1,250.24 | 4,993.35 | 241.95 | 75.98 | 165.97 | 1.458 Level 3 | |
| 12,200.00 | 7,153.64 | 12,228.19 | 7,241.53 | 87.10 | 86.82 | -111.36 | -1,251.36 | 5,093.34 | 241.29 | 72.32 | 168.97 | 1.428 Level 3 | |
| 12,300.00 | 7,153.52 | 12,328.18 | 7,241.80 | 88.72 | 88.45 | -111.53 | -1,252.49 | 5,193.33 | 240.63 | 68.66 | 171.97 | 1.399 Level 3 | |
| 12,400.00 | 7,153.40 | 12,428.18 | 7,242.08 | 90.35 | 90.08 | -111.69 | -1,253.61 | 5,293.32 | 239.98 | 65.02 | 174.96 | 1.372 Level 3 | |
| 12,500.00 | 7,153.28 | 12,528.17 | 7,242.36 | 91.98 | 91.72 | -111.85 | -1,254.74 | 5,393.30 | 239.33 | 61.37 | 177.96 | 1.345 Level 3 | |
| 12,600.00 | 7,153.16 | 12,628.17 | 7,242.64 | 93.61 | 93.35 | -112.02 | -1,255.86 | 5,493.29 | 238.68 | 57.74 | 180.94 | 1.319 Level 3 | |
| 12,700.00 | 7,153.04 | 12,728.16 | 7,242.91 | 95.24 | 94.99 | -112.18 | -1,256.99 | 5,593.28 | 238.03 | 54.10 | 183.93 | 1.294 Level 3 | |
| 12,800.00 | 7,152.92 | 12,828.16 | 7,243.19 | 96.87 | 96.63 | -112.35 | -1,258.12 | 5,693.27 | 237.39 | 50.48 | 186.91 | 1.270 Level 3 | |
| 12,900.00 | 7,152.81 | 12,928.15 | 7,243.47 | 98.50 | 98.27 | -112.52 | -1,259.24 | 5,793.26 | 236.74 | 46.86 | 189.88 | 1.247 Level 2 | |
| 13,000.00 | 7,152.69 | 13,028.15 | 7,243.74 | 100.14 | 99.91 | -112.69 | -1,260.37 | 5,893.25 | 236.10 | 43.25 | 192.85 | 1.224 Level 2 | |
| 13,100.00 | 7,152.57 | 13,128.15 | 7,244.02 | 101.78 | 101.55 | -112.86 | -1,261.49 | 5,993.24 | 235.46 | 39.65 | 195.81 | 1.202 Level 2 | |
| 13,200.00 | 7,152.45 | 13,228.14 | 7,244.30 | 103.41 | 103.20 | -113.03 | -1,262.62 | 6,093.23 | 234.83 | 36.06 | 198.77 | 1.181 Level 2 | |
| 13,300.00 | 7,152.33 | 13,328.14 | 7,244.57 | 105.05 | 104.84 | -113.20 | -1,263.75 | 6,193.22 | 234.19 | 32.47 | 201.72 | 1.161 Level 2 | |
| 13,400.00 | 7,152.21 | 13,428.13 | 7,244.85 | 106.69 | 106.48 | -113.37 | -1,264.87 | 6,293.20 | 233.56 | 28.89 | 204.67 | 1.141 Level 2 | |
| 13,500.00 | 7,152.09 | 13,528.13 | 7,245.13 | 108.33 | 108.13 | -113.54 | -1,266.00 | 6,393.19 | 232.93 | 25.32 | 207.61 | 1.122 Level 2 | |
| 13,600.00 | 7,151.98 | 13,628.12 | 7,245.40 | 109.98 | 109.78 | -113.72 | -1,267.12 | 6,493.18 | 232.30 | 21.76 | 210.54 | 1.103 Level 2 | |
| 13,700.00 | 7,151.86 | 13,728.12 | 7,245.68 | 111.62 | 111.42 | -113.89 | -1,268.25 | 6,593.17 | 231.67 | 18.20 | 213.47 | 1.085 Level 2 | |
| 13,800.00 | 7,151.74 | 13,828.11 | 7,245.96 | 113.26 | 113.07 | -114.07 | -1,269.38 | 6,693.16 | 231.05 | 14.66 | 216.39 | 1.068 Level 2 | |
| 13,900.00 | 7,151.62 | 13,928.11 | 7,246.23 | 114.91 | 114.72 | -114.24 | -1,270.50 | 6,793.15 | 230.42 | 11.12 | 219.30 | 1.051 Level 2 | |
| 14,000.00 | 7,151.50 | 14,028.11 | 7,246.51 | 116.55 | 116.37 | -114.42 | -1,271.63 | 6,893.14 | 229.80 | 7.60 | 222.21 | 1.034 Level 2 | |
| 14,100.00 | 7,151.38 | 14,128.10 | 7,246.79 | 118.20 | 118.02 | -114.60 | -1,272.75 | 6,993.13 | 229.19 | 4.08 | 225.11 | 1.018 Level 2 | |
| 14,200.00 | 7,151.26 | 14,228.10 | 7,247.06 | 119.84 | 119.67 | -114.78 | -1,273.88 | 7,093.11 | 228.57 | 0.57 | 228.00 | 1.003 Level 2 | |
| 14,300.00 | 7,151.14 | 14,328.09 | 7,247.34 | 121.49 | 121.32 | -114.96 | -1,275.01 | 7,193.10 | 227.96 | -2.93 | 230.88 | 0.987 Level 1 | |
| 14,400.00 | 7,151.03 | 14,428.09 | 7,247.62 | 123.14 | 122.98 | -115.14 | -1,276.13 | 7,293.09 | 227.35 | -6.41 | 233.76 | 0.973 Level 1 | |
| 14,500.00 | 7,150.91 | 14,528.08 | 7,247.90 | 124.79 | 124.63 | -115.33 | -1,277.26 | 7,393.08 | 226.74 | -9.89 | 236.63 | 0.958 Level 1 | |
| 14,600.00 | 7,150.79 | 14,628.08 | 7,248.17 | 126.44 | 126.28 | -115.51 | -1,278.38 | 7,493.07 | 226.13 | -13.36 | 239.49 | 0.944 Level 1 | |
| 14,700.00 | 7,150.67 | 14,728.07 | 7,248.45 | 128.09 | 127.93 | -115.69 | -1,279.51 | 7,593.06 | 225.53 | -16.81 | 242.34 | 0.931 Level 1 | |
| 14,800.00 | 7,150.55 | 14,828.07 | 7,248.73 | 129.74 | 129.59 | -115.88 | -1,280.64 | 7,693.05 | 224.93 | -20.26 | 245.19 | 0.917 Level 1 | |
| 14,900.00 | 7,150.43 | 14,928.06 | 7,249.00 | 131.39 | 131.24 | -116.07 | -1,281.76 | 7,793.04 | 224.33 | -23.69 | 248.02 | 0.904 Level 1 | |
| 15,000.00 | 7,150.31 | 15,028.06 | 7,249.28 | 133.04 | 132.90 | -116.25 | -1,282.89 | 7,893.03 | 223.73 | -27.12 | 250.85 | 0.892 Level 1 | |
| 15,100.00 | 7,150.20 | 15,128.06 | 7,249.56 | 134.69 | 134.55 | -116.44 | -1,284.01 | 7,993.01 | 223.14 | -30.53 | 253.66 | 0.880 Level 1 | |
| 15,200.00 | 7,150.08 | 15,228.05 | 7,249.83 | 136.34 | 136.21 | -116.63 | -1,285.14 | 8,093.00 | 222.54 | -33.93 | 256.47 | 0.868 Level 1 | |
| 15,300.00 | 7,149.96 | 15,328.05 | 7,250.11 | 138.00 | 137.87 | -116.82 | -1,286.27 | 8,192.99 | 221.95 | -37.32 | 259.27 | 0.856 Level 1 | |
| 15,400.00 | 7,149.84 | 15,428.04 | 7,250.39 | 139.65 | 139.52 | -117.02 | -1,287.39 | 8,292.98 | 221.37 | -40.69 | 262.06 | 0.845 Level 1 | |

Hewlett-Packard

Anticollision Report

| | | | |
|---------------------------|---------------------------------|-------------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27C-XR - Wellbore #1 - Design #1 | | | | | | | | | | | | | Offset Site Error: | 0.00 usft |
|---|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA | | | | | | | | | | | | | Offset Well Error: | 3.28 usft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | | |
| 15,500.00 | 7,149.72 | 15,528.04 | 7,250.66 | 141.30 | 141.18 | -117.21 | -1,288.52 | 8,392.97 | 220.78 | -44.06 | 264.84 | 0.834 | Level 1 | |
| 15,600.00 | 7,149.60 | 15,628.03 | 7,250.94 | 142.96 | 142.84 | -117.40 | -1,289.64 | 8,492.96 | 220.20 | -47.41 | 267.61 | 0.823 | Level 1 | |
| 15,700.00 | 7,149.48 | 15,728.03 | 7,251.22 | 144.61 | 144.49 | -117.60 | -1,290.77 | 8,592.95 | 219.62 | -50.75 | 270.37 | 0.812 | Level 1 | |
| 15,800.00 | 7,149.36 | 15,828.02 | 7,251.49 | 146.27 | 146.15 | -117.79 | -1,291.89 | 8,692.94 | 219.04 | -54.08 | 273.12 | 0.802 | Level 1 | |
| 15,900.00 | 7,149.25 | 15,928.02 | 7,251.77 | 147.92 | 147.81 | -117.99 | -1,293.02 | 8,792.92 | 218.47 | -57.39 | 275.86 | 0.792 | Level 1 | |
| 16,000.00 | 7,149.13 | 16,028.02 | 7,252.05 | 149.58 | 149.47 | -118.19 | -1,294.15 | 8,892.91 | 217.90 | -60.69 | 278.59 | 0.782 | Level 1 | |
| 16,100.00 | 7,149.01 | 16,128.01 | 7,252.32 | 151.23 | 151.13 | -118.39 | -1,295.27 | 8,992.90 | 217.33 | -63.98 | 281.31 | 0.773 | Level 1 | |
| 16,200.00 | 7,148.89 | 16,228.01 | 7,252.60 | 152.89 | 152.79 | -118.59 | -1,296.40 | 9,092.89 | 216.76 | -67.26 | 284.02 | 0.763 | Level 1 | |
| 16,300.00 | 7,148.77 | 16,328.00 | 7,252.88 | 154.55 | 154.45 | -118.79 | -1,297.52 | 9,192.88 | 216.20 | -70.52 | 286.71 | 0.754 | Level 1 | |
| 16,400.00 | 7,148.65 | 16,428.00 | 7,253.16 | 156.20 | 156.11 | -118.99 | -1,298.65 | 9,292.87 | 215.64 | -73.76 | 289.40 | 0.745 | Level 1 | |
| 16,500.00 | 7,148.53 | 16,527.99 | 7,253.43 | 157.86 | 157.77 | -119.19 | -1,299.78 | 9,392.86 | 215.08 | -77.00 | 292.07 | 0.736 | Level 1 | |
| 16,600.00 | 7,148.42 | 16,627.99 | 7,253.71 | 159.52 | 159.43 | -119.40 | -1,300.90 | 9,492.85 | 214.52 | -80.21 | 294.74 | 0.728 | Level 1 | |
| 16,700.00 | 7,148.30 | 16,727.98 | 7,253.99 | 161.18 | 161.09 | -119.60 | -1,302.03 | 9,592.83 | 213.97 | -83.42 | 297.39 | 0.719 | Level 1 | |
| 16,800.00 | 7,148.18 | 16,827.98 | 7,254.26 | 162.83 | 162.75 | -119.81 | -1,303.15 | 9,692.82 | 213.42 | -86.61 | 300.03 | 0.711 | Level 1 | |
| 16,900.00 | 7,148.06 | 16,927.98 | 7,254.54 | 164.49 | 164.41 | -120.02 | -1,304.28 | 9,792.81 | 212.87 | -89.78 | 302.65 | 0.703 | Level 1 | |
| 17,000.00 | 7,147.94 | 17,027.97 | 7,254.82 | 166.15 | 166.07 | -120.22 | -1,305.41 | 9,892.80 | 212.33 | -92.94 | 305.27 | 0.696 | Level 1 | |
| 17,100.00 | 7,147.82 | 17,127.97 | 7,255.09 | 167.81 | 167.73 | -120.43 | -1,306.53 | 9,992.79 | 211.78 | -96.09 | 307.87 | 0.688 | Level 1 | |
| 17,190.27 | 7,147.71 | 17,217.09 | 7,255.34 | 169.31 | 169.21 | -120.61 | -1,307.48 | 10,081.91 | 211.35 | -98.78 | 310.13 | 0.681 | Level 1 | |
| 17,200.00 | 7,147.70 | 17,226.24 | 7,255.37 | 169.47 | 169.37 | -120.62 | -1,307.51 | 10,091.06 | 211.36 | -98.98 | 310.34 | 0.681 | Level 1 | |
| 17,300.00 | 7,147.58 | 17,323.98 | 7,255.64 | 171.13 | 170.99 | -120.56 | -1,306.70 | 10,188.80 | 212.50 | -100.71 | 313.21 | 0.678 | Level 1 | |
| 17,400.00 | 7,147.47 | 17,423.97 | 7,255.91 | 172.79 | 172.64 | -120.48 | -1,305.64 | 10,288.78 | 213.84 | -102.52 | 316.36 | 0.676 | Level 1 | |
| 17,500.00 | 7,147.35 | 17,523.97 | 7,256.19 | 174.45 | 174.30 | -120.39 | -1,304.58 | 10,388.77 | 215.18 | -104.34 | 319.53 | 0.673 | Level 1 | |
| 17,600.00 | 7,147.23 | 17,623.96 | 7,256.47 | 176.11 | 175.96 | -120.30 | -1,303.53 | 10,488.75 | 216.52 | -106.16 | 322.69 | 0.671 | Level 1 | |
| 17,700.00 | 7,147.11 | 17,723.95 | 7,256.74 | 177.77 | 177.62 | -120.21 | -1,302.47 | 10,588.74 | 217.87 | -107.98 | 325.85 | 0.669 | Level 1 | |
| 17,800.00 | 7,146.99 | 17,823.94 | 7,257.02 | 179.43 | 179.28 | -120.13 | -1,301.42 | 10,688.72 | 219.21 | -109.81 | 329.02 | 0.666 | Level 1 | |
| 17,900.00 | 7,146.87 | 17,923.93 | 7,257.30 | 181.09 | 180.94 | -120.05 | -1,300.36 | 10,788.70 | 220.55 | -111.63 | 332.18 | 0.664 | Level 1 | |
| 18,000.00 | 7,146.75 | 18,023.92 | 7,257.57 | 182.75 | 182.60 | -119.96 | -1,299.30 | 10,888.69 | 221.90 | -113.45 | 335.35 | 0.662 | Level 1 | |
| 18,100.00 | 7,146.64 | 18,123.91 | 7,257.85 | 184.41 | 184.26 | -119.88 | -1,298.25 | 10,988.67 | 223.24 | -115.28 | 338.52 | 0.659 | Level 1 | |
| 18,200.00 | 7,146.52 | 18,223.90 | 7,258.13 | 186.08 | 185.91 | -119.80 | -1,297.19 | 11,088.66 | 224.58 | -117.10 | 341.69 | 0.657 | Level 1 | |
| 18,300.00 | 7,146.40 | 18,323.89 | 7,258.40 | 187.74 | 187.57 | -119.72 | -1,296.13 | 11,188.64 | 225.93 | -118.93 | 344.86 | 0.655 | Level 1 | |
| 18,400.00 | 7,146.28 | 18,423.88 | 7,258.68 | 189.40 | 189.23 | -119.64 | -1,295.08 | 11,288.63 | 227.27 | -120.75 | 348.03 | 0.653 | Level 1 | |
| 18,500.00 | 7,146.16 | 18,523.87 | 7,258.96 | 191.06 | 190.89 | -119.56 | -1,294.02 | 11,388.61 | 228.62 | -122.58 | 351.20 | 0.651 | Level 1 | |
| 18,600.00 | 7,146.04 | 18,623.86 | 7,259.23 | 192.72 | 192.56 | -119.49 | -1,292.96 | 11,488.60 | 229.97 | -124.41 | 354.37 | 0.649 | Level 1 | |
| 18,700.00 | 7,145.92 | 18,723.85 | 7,259.51 | 194.39 | 194.22 | -119.41 | -1,291.91 | 11,588.58 | 231.31 | -126.24 | 357.55 | 0.647 | Level 1 | |
| 18,800.00 | 7,145.80 | 18,823.84 | 7,259.79 | 196.05 | 195.88 | -119.34 | -1,290.85 | 11,688.57 | 232.66 | -128.07 | 360.73 | 0.645 | Level 1 | |
| 18,900.00 | 7,145.69 | 18,923.83 | 7,260.06 | 197.71 | 197.54 | -119.26 | -1,289.79 | 11,788.55 | 234.01 | -129.89 | 363.90 | 0.643 | Level 1 | |
| 19,000.00 | 7,145.57 | 19,023.82 | 7,260.34 | 199.37 | 199.20 | -119.19 | -1,288.74 | 11,888.53 | 235.36 | -131.72 | 367.08 | 0.641 | Level 1 | |
| 19,100.00 | 7,145.45 | 19,123.81 | 7,260.62 | 201.04 | 200.86 | -119.12 | -1,287.68 | 11,988.52 | 236.70 | -133.56 | 370.26 | 0.639 | Level 1 | |
| 19,200.00 | 7,145.33 | 19,223.80 | 7,260.89 | 202.70 | 202.52 | -119.04 | -1,286.63 | 12,088.50 | 238.05 | -135.39 | 373.44 | 0.637 | Level 1 | |
| 19,300.00 | 7,145.21 | 19,323.79 | 7,261.17 | 204.36 | 204.18 | -118.97 | -1,285.57 | 12,188.49 | 239.40 | -137.22 | 376.62 | 0.636 | Level 1 | |
| 19,400.00 | 7,145.09 | 19,423.78 | 7,261.45 | 206.03 | 205.84 | -118.90 | -1,284.51 | 12,288.47 | 240.75 | -139.05 | 379.80 | 0.634 | Level 1 | |
| 19,500.00 | 7,144.97 | 19,523.77 | 7,261.72 | 207.69 | 207.51 | -118.83 | -1,283.46 | 12,388.46 | 242.10 | -140.88 | 382.98 | 0.632 | Level 1 | |
| 19,600.00 | 7,144.86 | 19,623.76 | 7,262.00 | 209.35 | 209.17 | -118.77 | -1,282.40 | 12,488.44 | 243.45 | -142.72 | 386.17 | 0.630 | Level 1 | |
| 19,700.00 | 7,144.74 | 19,723.76 | 7,262.28 | 211.02 | 210.83 | -118.70 | -1,281.34 | 12,588.43 | 244.80 | -144.55 | 389.35 | 0.629 | Level 1 | |
| 19,800.00 | 7,144.62 | 19,823.75 | 7,262.55 | 212.68 | 212.49 | -118.63 | -1,280.29 | 12,688.41 | 246.15 | -146.38 | 392.54 | 0.627 | Level 1 | |
| 19,900.00 | 7,144.50 | 19,923.74 | 7,262.83 | 214.35 | 214.15 | -118.56 | -1,279.23 | 12,788.39 | 247.50 | -148.22 | 395.72 | 0.625 | Level 1 | |
| 20,000.00 | 7,144.38 | 20,023.73 | 7,263.11 | 216.01 | 215.82 | -118.50 | -1,278.17 | 12,888.38 | 248.85 | -150.05 | 398.91 | 0.624 | Level 1 | |
| 20,100.00 | 7,144.26 | 20,123.72 | 7,263.39 | 217.67 | 217.48 | -118.43 | -1,277.12 | 12,988.36 | 250.21 | -151.89 | 402.10 | 0.622 | Level 1 | |
| 20,200.00 | 7,144.14 | 20,223.71 | 7,263.66 | 219.34 | 219.14 | -118.37 | -1,276.06 | 13,088.35 | 251.56 | -153.72 | 405.28 | 0.621 | Level 1 | |
| 20,300.00 | 7,144.02 | 20,323.70 | 7,263.94 | 221.00 | 220.80 | -118.30 | -1,275.00 | 13,188.33 | 252.91 | -155.56 | 408.47 | 0.619 | Level 1 | |
| 20,320.42 | 7,144.00 | 20,344.12 | 7,264.00 | 221.34 | 221.14 | -118.29 | -1,274.79 | 13,208.75 | 253.19 | -155.94 | 409.12 | 0.619 | Level 1, ES, SF | |

Hewlett-Packard

Anticollision Report

| | | | |
|--------------------|---------------------------------|------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to RKB = 4' @ 4909.00usft (RIG)

Offset Depths are relative to Offset Datum

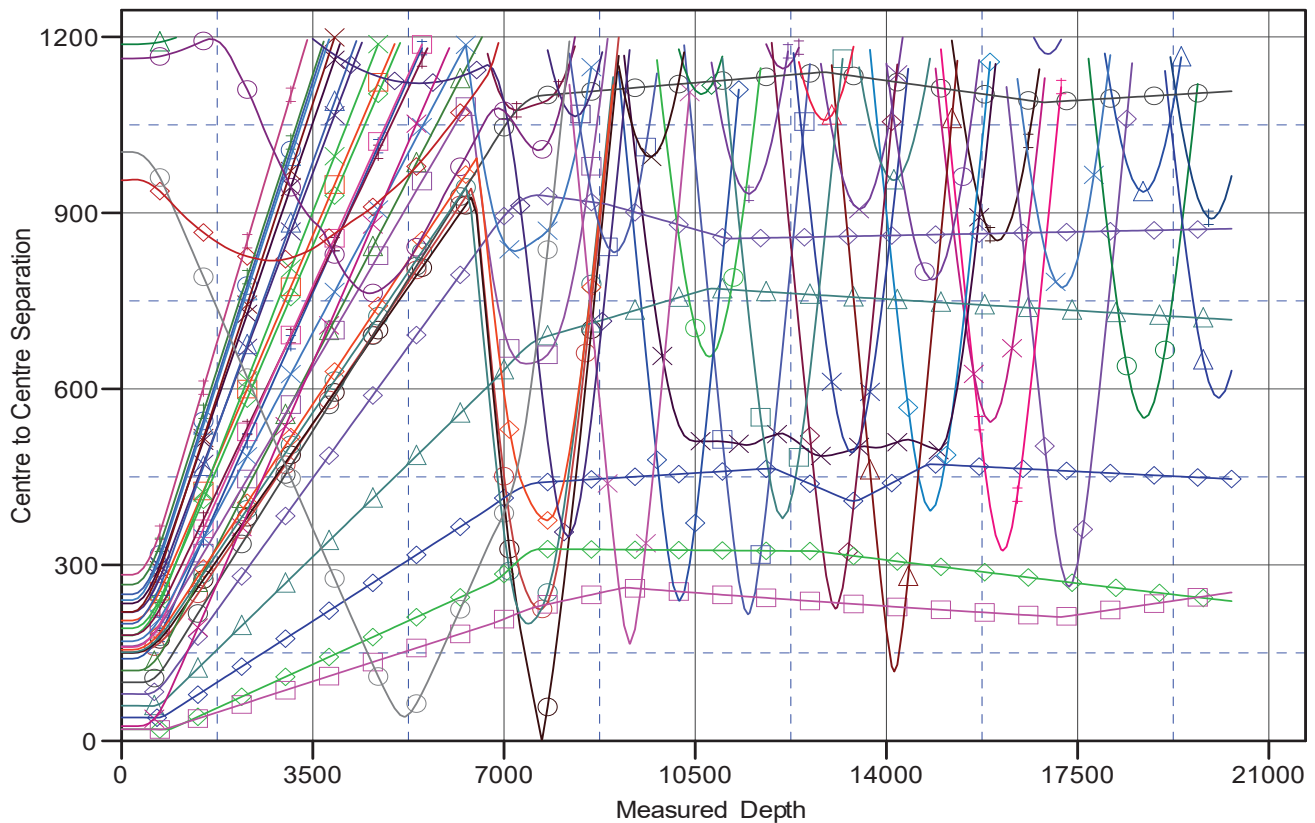
Central Meridian is -105.500000

Coordinates are relative to: SANFORD 40N-27B-XR

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

Ladder Plot



LEGEND

| | | |
|--|--|--|
| SHAFTO J27-10, Noble SI Well, No Surveys V0 | WIEDEMAN J 28-12D, Noble SI Well, Actual Ensign Surveys V0 | SANFORD 5N-30B-M, Wellbore #1, Design #1 V0 |
| UPRC 27-12C, Noble SI Well, No Surveys V0 | WIEDEMAN J 28-12D, Noble SI Well, Actual Ensign Surveys V0 | SANFORD 5C-30-M, Wellbore #1, Design #1 V0 |
| UPRC 27-6C, Noble P&A Well, Actual VES Surveys V0 | IGO FARM S J 28-12D, Noble SI Well, Actual Ensign Surveys V0 | SANFORD 1C-27-XR, Wellbore #1, Design #1 V0 |
| UPV 27-7H6, Noble PR Well, Actual VES Surveys V0 | COLTRANE IGO 1, Noble SI Well, No Surveys V0 | SANFORD 30N-30A-M, Wellbore #1, Design #1 V0 |
| GRACIE J 27-10X, Noble SI Well, Actual Multishot Surveys V0 | MOSSBERG PM J 28-6, Noble SI Well, Actual VES Surveys V0 | SANFORD 26N-27A-XR, Wellbore #1, Design #1 V0 |
| UPRC 27-6C, Noble T/A Well, Actual VES Surveys V0 | SANFORD 32N-30B-M, Wellbore #1, Design #1 V0 | SANFORD 31N-30B-M, Wellbore #1, Design #1 V0 |
| UPRC 27-3C Directional Well No Surveys, Noble SI Well, No Surveys V0 | SANFORD 1N-27A-XR, Wellbore #1, Design #1 V0 | SANFORD 40N-27C-XR, Wellbore #1, Design #1 V0 |
| UPRC 27-1C, Noble SI Well, No Surveys V0 | SANFORD 4N-30A-M, Wellbore #1, Design #1 V0 | SANFORD 26C-27-XR, Wellbore #1, Design #1 V0 |
| UPV 27-8H6, Noble P&A Well, Actual VES Surveys V0 | SANFORD 4C-30-M, Wellbore #1, Design #1 V0 | SANFORD 26N-27C-XR, Wellbore #1, Design #1 V0 |
| SHAFTO J27-6, Noble P&A Well, Actual VES Surveys V0 | SANFORD 4N-30C-M, Wellbore #1, Design #1 V0 | SANFORD 30C-30-M, Wellbore #1, Design #1 V0 |
| COLTRANE PM J28-5, Noble SI Well, No Surveys V0 | SANFORD 32N-30C-M, Wellbore #1, Design #1 V0 | SANFORD 8N-27C-XR, Wellbore #1, Design #1 V0 |
| WIEST 28-11H6, Noble SI Well, No Surveys V0 | SANFORD 4N-30C-M, Wellbore #1, Design #1 V0 | UPRC 29-6C, Noble SI Well, No Surveys V0 |
| IGO FARM S J 28-32D, Noble PR Well, Actual Ensign Surveys V0 | SANFORD 1N-27B-XR, Wellbore #1, Design #1 V0 | UPRC 29-7C, Noble T/A Well, No Surveys V0 |
| ZION PM J28-12, Noble PR Well, Actual VES Surveys V0 | SANFORD 8C-27-XR, Wellbore #1, Design #1 V0 | KAMMERZELL 29-3H6, Noble SI Well, No Surveys V0 |
| WIEDEMAN 1, Noble SI Well, No Surveys V0 | SANFORD 1N-27C-XR, Wellbore #1, Design #1 V0 | BENSLER J29-21D (Need Directional Surveys), Noble SI Well, No Surveys V0 |
| WIEDEMAN J 28-65-1HN, Noble PR Well, Actual Sperry Surveys V0 | SANFORD 41N-27C-XR, Wellbore #1, Design #1 V0 | CARLSON 1-29, Noble SI Well, Actual VES Surveys V0 |
| IGO FARM S J 28-32D, Noble PR Well, Actual Ensign Surveys V0 | SANFORD 31N-30C-M, Wellbore #1, Design #1 V0 | BENSLER J29-18D, Noble SI Well, Actual Ensign Surveys V0 |
| MOSSBERG 28-22D, Noble SI Well, Actual Ensign Surveys V0 | SANFORD 41N-27B-XR, Wellbore #1, Design #1 V0 | BENSLER J29-17D, Noble PR Well, Actual Ensign Surveys V0 |
| MOSSBERG 28-28, Noble P&A Well, No Surveys V0 | SANFORD 3N-30C-M, Wellbore #1, Design #1 V0 | KAMMERZELL 29-6H6, Noble SI Well, No Surveys V0 |
| WIEDEMAN J 28-7, Noble SI Well, No Surveys V0 | SANFORD 8N-27B-XR, Wellbore #1, Design #1 V0 | KAMMERZELL J29-19, Noble SI Well, Actual Conetech G-ros V0 |
| WIEDEMAN PM J28-7, Noble SI Well, No Surveys V0 | SANFORD 30N-30B-M, Wellbore #1, Design #1 V0 | HSR-MILLARD 9-29, Noble SI Well, No Surveys V0 |

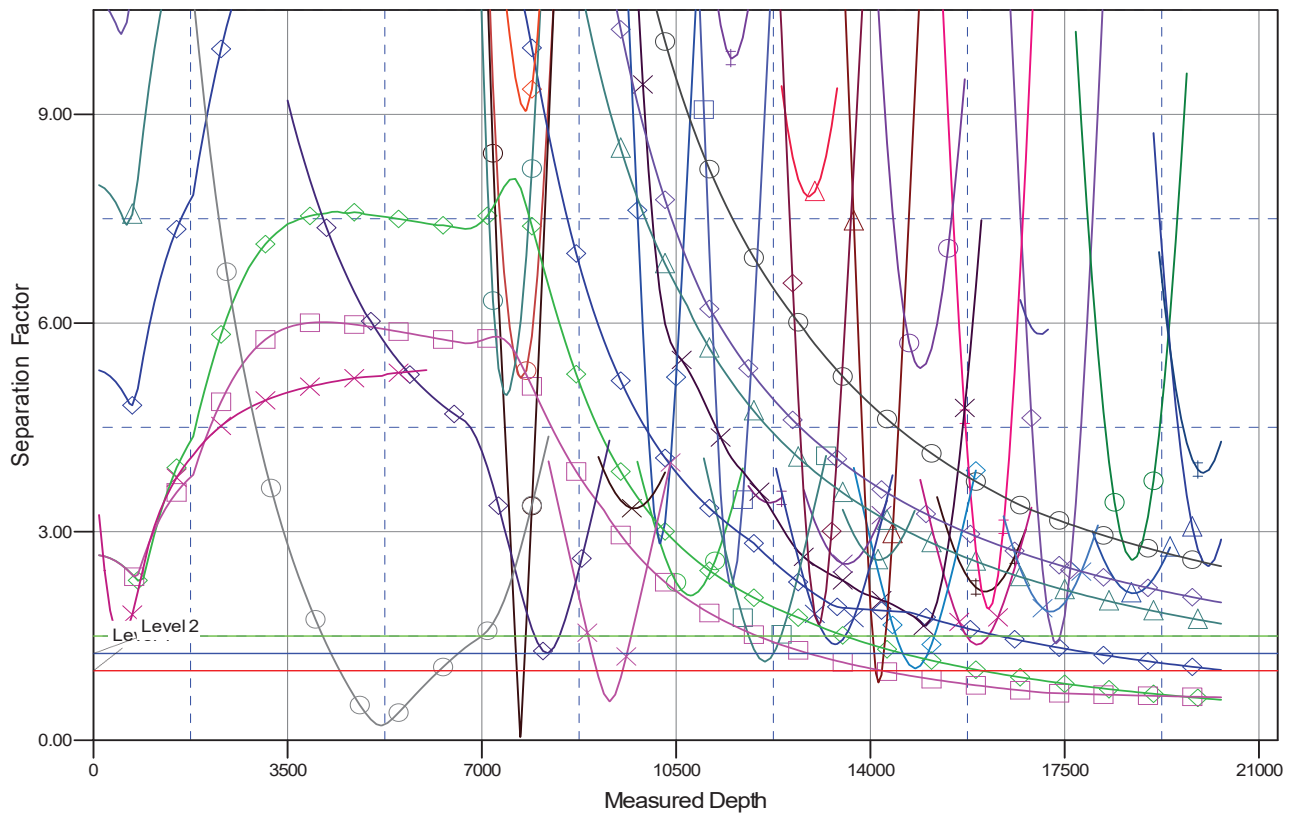
Hewlett-Packard
Anticollision Report

| | | | |
|--------------------|---------------------------------|------------------------------|------------------------------|
| Company: | SRC ENERGY | Local Co-ordinate Reference: | Well SANFORD 40N-27B-XR |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | TVD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Reference Site: | 5N-66W-29 SANFORD 21-29 PAD | MD Reference: | RKB = 4' @ 4909.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | SANFORD 40N-27B-XR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | EDM 5000.14 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to RKB = 4' @ 4909.00usft (RIG)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: SANFORD 40N-27B-XR
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

| | | |
|---|--|--|
| SHAFTO J27-10, Noble PR Well, No Surveys V0 | WIEDEMANJ 28-18D, Noble SI Well, Actual Ensign Surveys V0 | SANFORD 5N-30B-M, Wellbore #1, Design #1 V0 |
| UPRC 27-12D, Noble SI Well, No Surveys V0 | WIEDEMANJ 28-21D, Noble SI Well, Actual Ensign Surveys V0 | SANFORD 5C-30-M, Wellbore #1, Design #1 V0 |
| UPRC 27-6C, Noble P&A Well, Actual VES Surveys V0 | IGO FARMSJ 28-19D, Noble SI Well, Actual Ensign Surveys V0 | SANFORD 1C-27-XR, Wellbore #1, Design #1 V0 |
| UPV 27-7HJ, Noble PR Well, Actual VES Surveys V0 | COLTRANEP 28-10, Noble SI Well, No Surveys V0 | SANFORD 30N-30A-M, Wellbore #1, Design #1 V0 |
| GRACIE J 27-19K, Noble SI Well, Actual Multishot Surveys V0 | MOSSBERGPM J 28-6, Noble SI Well, Actual VES Surveys V0 | SANFORD 26N-27A-XR, Wellbore #1, Design #1 V0 |
| UPRC 27-6C, Noble T/A Well, Actual VES Surveys V0 | SANFORD 32N-30B-M, Wellbore #1, Design #1 V0 | SANFORD 31N-30B-M, Wellbore #1, Design #1 V0 |
| UPRC 27-3C, Directional Well No Surveys, Noble SI Well, No Surveys V0 | SANFORD 1N-27A-XR, Wellbore #1, Design #1 V0 | SANFORD 40N-27C-XR, Wellbore #1, Design #1 V0 |
| UPRC 27-1C, Noble SI Well, No Surveys V0 | SANFORD 4N-30A-M, Wellbore #1, Design #1 V0 | SANFORD 26C-27C-XR, Wellbore #1, Design #1 V0 |
| UPV 27-8HJ, Noble P&A Well, Actual VES Surveys V0 | SANFORD 4C-30-M, Wellbore #1, Design #1 V0 | SANFORD 26N-27C-XR, Wellbore #1, Design #1 V0 |
| SHAFTO J27-9, Noble P&A Well, Actual VES Surveys V0 | SANFORD 4N-30B-M, Wellbore #1, Design #1 V0 | SANFORD 30C-30-M, Wellbore #1, Design #1 V0 |
| COLTRANEP 28-5, Noble SI Well, No Surveys V0 | SANFORD 32N-30C-M, Wellbore #1, Design #1 V0 | SANFORD 8N-27C-XR, Wellbore #1, Design #1 V0 |
| WEST 28-11HJ, Noble SI Well, No Surveys V0 | SANFORD 41N-30C-M, Wellbore #1, Design #1 V0 | UPRC 29-5C, Noble SI Well, No Surveys V0 |
| IGO FARMSJ 28-20D, Noble PR Well, Actual Ensign Surveys V0 | SANFORD 1N-27C-XR, Wellbore #1, Design #1 V0 | UPRC 29-7C, Noble T/A Well, No Surveys V0 |
| ZION PM J28-12, Noble PR Well, Actual VES Surveys V0 | SANFORD 8C-27-XR, Wellbore #1, Design #1 V0 | KAMMERZELL 29-3HJ, Noble SI Well, No Surveys V0 |
| WIEDEMANJ 28-1, Noble SI Well, No Surveys V0 | SANFORD 1N-27C-XR, Wellbore #1, Design #1 V0 | BENSLER J29-21D (Need Directional Surveys), Noble SI Well, No Surveys V0 |
| WEST J 28-65-11N, Noble PR Well, Actual Sperry Surveys V0 | SANFORD 41N-27C-XR, Wellbore #1, Design #1 V0 | CARLSON D-29, Noble SI Well, Actual VES Surveys V0 |
| IGO FARMSJ 28-32D, Noble PR Well, Actual Ensign Surveys V0 | SANFORD 31N-30C-M, Wellbore #1, Design #1 V0 | BENSLER J29-18D, Noble SI Well, Actual Ensign Surveys V0 |
| WIEDEMANJ 28-22D, Noble SI Well, Actual Ensign Surveys V0 | SANFORD 41N-27B-XR, Wellbore #1, Design #1 V0 | BENSLER J29-17D, Noble PR Well, Actual Ensign Surveys V0 |
| MOSSBERGDA-28, Noble P&A Well, No Surveys V0 | SANFORD 8N-27B-XR, Wellbore #1, Design #1 V0 | KAMMERZELL 29-6HJ, Noble SI Well, No Surveys V0 |
| WIEDEMANJ 28-17, Noble SI Well, No Surveys V0 | SANFORD 30N-30B-M, Wellbore #1, Design #1 V0 | KAMMERZELL J 29-19, Noble SI Well, Actual Conestech Gyros V0 |
| WIEDEMANPM J28-7, Noble SI Well, No Surveys V0 | | HSR-MILLARD 9-29, Noble SI Well, No Surveys V0 |