



# **Ursa Operating Company, LLC**

**Rockies Region**

**BMC B**

**BMC B 23B-18-07-95**

**Wellbore #1**

**Design: Actual**

## **End of Well Report**

**05 July, 2017**



|                  |                             |                                     |                                           |
|------------------|-----------------------------|-------------------------------------|-------------------------------------------|
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>Local Co-ordinate Reference:</b> | Well BMC B 23B-18-07-95                   |
| <b>Project:</b>  | Rockies Region              | <b>TVD Reference:</b>               | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Site:</b>     | BMC B                       | <b>MD Reference:</b>                | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Well:</b>     | BMC B 23B-18-07-95          | <b>North Reference:</b>             | True                                      |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                         |
| <b>Design:</b>   | Actual                      | <b>Database:</b>                    | EDM 5000.1 Single User Db                 |

|                    |                           |                      |                             |
|--------------------|---------------------------|----------------------|-----------------------------|
| <b>Project</b>     | Rockies Region            |                      |                             |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                             |
| <b>Map Zone:</b>   | Colorado Central Zone     |                      | Using geodetic scale factor |

|                              |          |                          |                   |
|------------------------------|----------|--------------------------|-------------------|
| <b>Site</b>                  | BMC B    |                          |                   |
| <b>Site Position:</b>        |          | <b>Northing:</b>         | 1,594,816.34 usft |
| <b>From:</b>                 | Lat/Long | <b>Easting:</b>          | 2,280,886.96 usft |
| <b>Position Uncertainty:</b> | 0.0 usft | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |          | <b>Latitude:</b>         | 39.438867241      |
|                              |          | <b>Longitude:</b>        | -108.046501442    |
|                              |          | <b>Grid Convergence:</b> | -1.61 °           |

|                      |       |                                                               |                     |                   |               |                |
|----------------------|-------|---------------------------------------------------------------|---------------------|-------------------|---------------|----------------|
| Well                 |       | BMC B 23B-18-07-95, SHL: Lat 39.438805907 Long -108.046481523 |                     |                   |               |                |
| Well Position        | +N/-S | 0.0 usft                                                      | Northing:           | 1,594,793.85 usft | Latitude:     | 39.438805907   |
|                      | +E/-W | 0.0 usft                                                      | Easting:            | 2,280,891.95 usft | Longitude:    | -108.046481523 |
| Position Uncertainty |       | 0.0 usft                                                      | Wellhead Elevation: | 5,117.0 usft      | Ground Level: | 5,100.0 usft   |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2015          | 7/5/2017           | 9.71                   | 65.53                | 51,493                     |

|                          |                                |                     |                     |                          |
|--------------------------|--------------------------------|---------------------|---------------------|--------------------------|
| <b>Design</b>            | Actual                         |                     |                     |                          |
| <b>Audit Notes:</b>      |                                |                     |                     |                          |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b>     |
|                          | 0.0                            | 0.0                 | 0.0                 | 129.13                   |

|                       |                  |                          |                  |                    |
|-----------------------|------------------|--------------------------|------------------|--------------------|
| <b>Survey Program</b> | <b>Date</b>      | 7/5/2017                 |                  |                    |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |
| 169.0                 | 6,415.0          | Actual (Wellbore #1)     | MWD              | MWD - Standard     |

|                  |                             |                                     |                                           |
|------------------|-----------------------------|-------------------------------------|-------------------------------------------|
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| <b>Project:</b>  | Rockies Region              | <b>TVD Reference:</b>               | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Site:</b>     | BMC B                       | <b>MD Reference:</b>                | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Well:</b>     | BMC B 23B-18-07-95          | <b>North Reference:</b>             | True                                      |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                         |
| <b>Design:</b>   | Actual                      | <b>Database:</b>                    | EDM 5000.1 Single User Db                 |

| Survey       |            |                      |               |                  |               |               |                     |                      |                     |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |
| 0.0          | 0.00       | 0.00                 | 0.0           | 0.0              | 0.0           | 0.0           | 0.00                | 0.00                 | 0.00                |
| 169.0        | 0.31       | 135.28               | 169.0         | 0.5              | -0.3          | 0.3           | 0.18                | 0.18                 | 0.00                |
| 230.0        | 2.46       | 157.39               | 230.0         | 1.8              | -1.7          | 0.9           | 3.57                | 3.52                 | 36.25               |
| 290.0        | 5.14       | 143.94               | 289.8         | 5.5              | -5.0          | 3.0           | 4.68                | 4.47                 | -22.42              |
| 319.0        | 5.93       | 150.93               | 318.7         | 8.2              | -7.4          | 4.5           | 3.58                | 2.72                 | 24.10               |
| 349.0        | 6.86       | 144.03               | 348.5         | 11.3             | -10.2         | 6.3           | 4.02                | 3.10                 | -23.00              |
| 379.0        | 7.76       | 144.63               | 378.3         | 15.0             | -13.3         | 8.5           | 3.01                | 3.00                 | 2.00                |
| 410.0        | 8.66       | 146.66               | 409.0         | 19.2             | -16.9         | 11.0          | 3.05                | 2.90                 | 6.55                |
| 439.0        | 9.14       | 146.40               | 437.6         | 23.5             | -20.7         | 13.5          | 1.66                | 1.66                 | -0.90               |
| 469.0        | 10.11      | 145.26               | 467.2         | 28.3             | -24.8         | 16.3          | 3.30                | 3.23                 | -3.80               |
| 499.0        | 10.94      | 142.80               | 496.7         | 33.6             | -29.3         | 19.6          | 3.15                | 2.77                 | -8.20               |
| 529.0        | 12.26      | 137.92               | 526.1         | 39.5             | -33.9         | 23.4          | 5.48                | 4.40                 | -16.27              |
| 559.0        | 13.36      | 135.46               | 555.3         | 46.1             | -38.7         | 28.0          | 4.09                | 3.67                 | -8.20               |
| 589.0        | 14.37      | 133.74               | 584.4         | 53.3             | -43.8         | 33.1          | 3.64                | 3.37                 | -5.73               |
| 620.0        | 15.47      | 133.40               | 614.4         | 61.3             | -49.3         | 38.9          | 3.56                | 3.55                 | -1.10               |
| 650.0        | 15.95      | 131.19               | 643.3         | 69.4             | -54.7         | 44.9          | 2.56                | 1.60                 | -7.37               |
| 681.0        | 16.61      | 129.39               | 673.0         | 78.0             | -60.3         | 51.5          | 2.68                | 2.13                 | -5.81               |
| 711.0        | 17.14      | 127.64               | 701.7         | 86.8             | -65.8         | 58.3          | 2.45                | 1.77                 | -5.83               |
| 741.0        | 17.45      | 127.81               | 730.4         | 95.7             | -71.2         | 65.4          | 1.05                | 1.03                 | 0.57                |
| 771.0        | 18.25      | 127.90               | 758.9         | 104.9            | -76.9         | 72.6          | 2.67                | 2.67                 | 0.30                |
| 801.0        | 19.31      | 128.76               | 787.3         | 114.5            | -82.9         | 80.2          | 3.65                | 3.53                 | 2.87                |
| 831.0        | 20.08      | 129.83               | 815.6         | 124.6            | -89.3         | 88.0          | 2.83                | 2.57                 | 3.57                |
| 873.0        | 21.01      | 130.49               | 854.9         | 139.4            | -98.8         | 99.3          | 2.28                | 2.21                 | 1.57                |
| 915.0        | 22.41      | 131.68               | 893.9         | 154.9            | -109.0        | 111.0         | 3.49                | 3.33                 | 2.83                |
| 958.0        | 23.57      | 130.36               | 933.5         | 171.7            | -120.0        | 123.7         | 2.95                | 2.70                 | -3.07               |
| 1,000.0      | 24.74      | 130.40               | 971.8         | 188.9            | -131.1        | 136.8         | 2.79                | 2.79                 | 0.10                |
| 1,042.0      | 25.93      | 130.14               | 1,009.8       | 206.8            | -142.8        | 150.5         | 2.85                | 2.83                 | -0.62               |

|                  |                             |                                     |                                           |
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| <b>Project:</b>  | Rockies Region              | <b>TVD Reference:</b>               | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Site:</b>     | BMC B                       | <b>MD Reference:</b>                | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Well:</b>     | BMC B 23B-18-07-95          | <b>North Reference:</b>             | True                                      |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                         |
| <b>Design:</b>   | Actual                      | <b>Database:</b>                    | EDM 5000.1 Single User Db                 |

| Survey                  |            |                      |               |                  |               |               |                     |                      |                     |  |
|-------------------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|--|
| MD<br>(usft)            | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |  |
| 1,084.0                 | 27.11      | 129.74               | 1,047.4       | 225.6            | -154.8        | 164.9         | 2.84                | 2.81                 | -0.95               |  |
| 1,126.0                 | 28.78      | 130.14               | 1,084.5       | 245.3            | -167.4        | 180.0         | 4.00                | 3.98                 | 0.95                |  |
| 1,168.0                 | 30.76      | 130.27               | 1,120.9       | 266.1            | -180.9        | 195.9         | 4.72                | 4.71                 | 0.31                |  |
| 1,210.0                 | 31.39      | 130.05               | 1,156.9       | 287.8            | -194.9        | 212.5         | 1.52                | 1.50                 | -0.52               |  |
| 1,253.0                 | 31.95      | 129.15               | 1,193.5       | 310.4            | -209.3        | 229.8         | 1.70                | 1.30                 | -2.09               |  |
| 1,295.0                 | 32.21      | 128.82               | 1,229.1       | 332.7            | -223.3        | 247.2         | 0.75                | 0.62                 | -0.79               |  |
| 1,338.0                 | 31.25      | 128.69               | 1,265.7       | 355.3            | -237.5        | 264.8         | 2.24                | -2.23                | -0.30               |  |
| 1,380.0                 | 31.11      | 128.12               | 1,301.6       | 377.0            | -251.0        | 281.9         | 0.78                | -0.33                | -1.36               |  |
| 1,422.0                 | 30.59      | 127.06               | 1,337.7       | 398.5            | -264.1        | 298.9         | 1.79                | -1.24                | -2.52               |  |
| 1,464.0                 | 30.72      | 127.15               | 1,373.8       | 419.9            | -277.0        | 316.0         | 0.33                | 0.31                 | 0.21                |  |
| 1,506.0                 | 31.20      | 126.58               | 1,409.8       | 441.5            | -290.0        | 333.3         | 1.34                | 1.14                 | -1.36               |  |
| 1,548.0                 | 30.63      | 126.80               | 1,445.8       | 463.1            | -302.9        | 350.6         | 1.38                | -1.36                | 0.52                |  |
| 1,590.0                 | 30.72      | 126.98               | 1,482.0       | 484.5            | -315.7        | 367.7         | 0.31                | 0.21                 | 0.43                |  |
| 1,632.0                 | 29.49      | 127.64               | 1,518.3       | 505.6            | -328.5        | 384.5         | 3.03                | -2.93                | 1.57                |  |
| 1,675.0                 | 29.58      | 126.36               | 1,555.7       | 526.7            | -341.3        | 401.4         | 1.48                | 0.21                 | -2.98               |  |
| 1,717.0                 | 29.75      | 126.80               | 1,592.2       | 547.5            | -353.6        | 418.1         | 0.66                | 0.40                 | 1.05                |  |
| 1,759.0                 | 29.31      | 127.50               | 1,628.8       | 568.2            | -366.1        | 434.6         | 1.33                | -1.05                | 1.67                |  |
| 1,790.0                 | 29.22      | 126.89               | 1,655.8       | 583.3            | -375.3        | 446.7         | 1.00                | -0.29                | -1.97               |  |
| Last PZD Surface Survey |            |                      |               |                  |               |               |                     |                      |                     |  |
| 1,883.0                 | 29.49      | 124.95               | 1,736.9       | 628.9            | -402.0        | 483.6         | 1.06                | 0.29                 | -2.09               |  |
| 1,967.0                 | 30.15      | 127.46               | 1,809.7       | 670.6            | -426.7        | 517.3         | 1.68                | 0.79                 | 2.99                |  |
| 2,051.0                 | 29.44      | 127.81               | 1,882.6       | 712.3            | -452.2        | 550.3         | 0.87                | -0.85                | 0.42                |  |
| 2,136.0                 | 29.45      | 129.88               | 1,956.7       | 754.1            | -478.4        | 582.9         | 1.20                | 0.01                 | 2.44                |  |
| 2,222.0                 | 31.20      | 129.26               | 2,030.9       | 797.5            | -506.1        | 616.4         | 2.07                | 2.03                 | -0.72               |  |
| 2,311.0                 | 30.63      | 127.77               | 2,107.2       | 843.2            | -534.5        | 652.1         | 1.07                | -0.64                | -1.67               |  |
| 2,395.0                 | 31.77      | 127.84               | 2,179.1       | 886.7            | -561.2        | 686.5         | 1.36                | 1.36                 | 0.08                |  |
| 2,481.0                 | 32.34      | 129.70               | 2,252.0       | 932.3            | -589.8        | 722.1         | 1.33                | 0.66                 | 2.16                |  |

|                  |                             |                                     |                                           |
|------------------|-----------------------------|-------------------------------------|-------------------------------------------|
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| <b>Project:</b>  | Rockies Region              | <b>TVD Reference:</b>               | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Site:</b>     | BMC B                       | <b>MD Reference:</b>                | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Well:</b>     | BMC B 23B-18-07-95          | <b>North Reference:</b>             | True                                      |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                         |
| <b>Design:</b>   | Actual                      | <b>Database:</b>                    | EDM 5000.1 Single User Db                 |

| Survey           |            |                      |               |                  |               |               |                     |                      |                     |  |
|------------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|--|
| MD<br>(usft)     | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |  |
| 2,566.0          | 31.51      | 127.94               | 2,324.1       | 977.3            | -618.0        | 757.1         | 1.47                | -0.98                | -2.07               |  |
| 2,652.0          | 32.08      | 130.89               | 2,397.2       | 1,022.6          | -646.7        | 792.1         | 1.92                | 0.66                 | 3.43                |  |
| 2,736.0          | 31.73      | 129.79               | 2,468.5       | 1,067.0          | -675.5        | 825.9         | 0.81                | -0.42                | -1.31               |  |
| 2,820.0          | 32.30      | 131.11               | 2,539.8       | 1,111.5          | -704.4        | 859.8         | 1.07                | 0.68                 | 1.57                |  |
| 2,904.0          | 32.08      | 130.62               | 2,610.8       | 1,156.2          | -733.7        | 893.7         | 0.41                | -0.26                | -0.58               |  |
| 2,989.0          | 31.20      | 129.44               | 2,683.2       | 1,200.8          | -762.3        | 927.8         | 1.27                | -1.04                | -1.39               |  |
| 3,075.0          | 30.76      | 128.34               | 2,756.9       | 1,245.1          | -790.1        | 962.2         | 0.83                | -0.51                | -1.28               |  |
| 3,159.0          | 30.01      | 127.37               | 2,829.4       | 1,287.5          | -816.2        | 995.8         | 1.07                | -0.89                | -1.15               |  |
| 3,245.0          | 28.43      | 127.94               | 2,904.5       | 1,329.5          | -841.8        | 1,029.0       | 1.87                | -1.84                | 0.66                |  |
| 3,329.0          | 26.19      | 127.42               | 2,979.1       | 1,368.0          | -865.4        | 1,059.5       | 2.68                | -2.67                | -0.62               |  |
| 3,414.0          | 24.39      | 130.40               | 3,055.9       | 1,404.3          | -888.2        | 1,087.8       | 2.59                | -2.12                | 3.51                |  |
| 3,498.0          | 22.19      | 131.02               | 3,133.1       | 1,437.5          | -909.8        | 1,113.0       | 2.64                | -2.62                | 0.74                |  |
| 3,582.0          | 19.47      | 129.74               | 3,211.6       | 1,467.4          | -929.2        | 1,135.7       | 3.28                | -3.24                | -1.52               |  |
| 3,666.0          | 17.18      | 130.49               | 3,291.3       | 1,493.8          | -946.2        | 1,155.9       | 2.74                | -2.73                | 0.89                |  |
| 3,751.0          | 14.24      | 125.75               | 3,373.2       | 1,516.8          | -960.5        | 1,173.9       | 3.77                | -3.46                | -5.58               |  |
| 3,835.0          | 11.91      | 119.11               | 3,455.0       | 1,535.6          | -970.7        | 1,189.9       | 3.30                | -2.77                | -7.90               |  |
| 3,919.0          | 9.84       | 123.50               | 3,537.5       | 1,551.3          | -978.9        | 1,203.5       | 2.65                | -2.46                | 5.23                |  |
| 4,006.0          | 6.72       | 129.74               | 3,623.5       | 1,563.8          | -986.3        | 1,213.6       | 3.73                | -3.59                | 7.17                |  |
| 4,090.0          | 4.27       | 133.88               | 3,707.2       | 1,571.8          | -991.6        | 1,219.6       | 2.95                | -2.92                | 4.93                |  |
| 4,174.0          | 1.10       | 166.22               | 3,791.1       | 1,575.6          | -994.5        | 1,222.1       | 4.04                | -3.77                | 38.50               |  |
| 4,179.0          | 1.00       | 161.08               | 3,796.1       | 1,575.7          | -994.6        | 1,222.1       | 2.70                | -1.94                | -102.57             |  |
| 23B-18-07-95 TGT |            |                      |               |                  |               |               |                     |                      |                     |  |
| 4,258.0          | 1.62       | 54.56                | 3,875.0       | 1,576.6          | -994.6        | 1,223.2       | 2.70                | 0.78                 | -134.85             |  |
| 4,343.0          | 2.29       | 65.36                | 3,960.0       | 1,577.6          | -993.2        | 1,225.7       | 0.90                | 0.79                 | 12.71               |  |
| 4,427.0          | 1.63       | 72.62                | 4,043.9       | 1,579.0          | -992.2        | 1,228.4       | 0.84                | -0.79                | 8.64                |  |
| 4,511.0          | 1.41       | 72.13                | 4,127.9       | 1,580.3          | -991.5        | 1,230.5       | 0.26                | -0.26                | -0.58               |  |
| 4,596.0          | 1.42       | 66.47                | 4,212.9       | 1,581.3          | -990.7        | 1,232.5       | 0.16                | 0.01                 | -6.66               |  |

|                  |                             |                                     |                                           |
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| <b>Well:</b>     | BMC B 23B-18-07-95          | <b>North Reference:</b>             | True                                      |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                         |
| <b>Design:</b>   | Actual                      | <b>Database:</b>                    | EDM 5000.1 Single User Db                 |

| Survey                        |            |                      |               |                  |               |               |                     |                      |                     |  |
|-------------------------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|--|
| MD<br>(usft)                  | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |  |
| 4,680.0                       | 0.83       | 56.40                | 4,296.9       | 1,582.0          | -990.0        | 1,234.0       | 0.74                | -0.70                | -11.99              |  |
| 4,768.0                       | 0.53       | 50.86                | 4,384.9       | 1,582.2          | -989.4        | 1,234.8       | 0.35                | -0.34                | -6.30               |  |
| 4,857.0                       | 0.40       | 205.42               | 4,473.9       | 1,582.4          | -989.4        | 1,235.0       | 1.02                | -0.15                | 173.66              |  |
| 4,943.0                       | 0.79       | 235.08               | 4,559.9       | 1,582.3          | -990.0        | 1,234.4       | 0.56                | 0.45                 | 34.49               |  |
| 5,029.0                       | 1.22       | 228.67               | 4,645.8       | 1,582.0          | -991.0        | 1,233.2       | 0.52                | 0.50                 | -7.45               |  |
| 5,114.0                       | 0.79       | 338.62               | 4,730.8       | 1,581.3          | -991.0        | 1,232.3       | 1.96                | -0.51                | 129.35              |  |
| 5,198.0                       | 1.89       | 54.33                | 4,814.8       | 1,581.2          | -989.7        | 1,233.2       | 2.21                | 1.31                 | 90.13               |  |
| 5,282.0                       | 1.49       | 61.06                | 4,898.8       | 1,582.0          | -988.3        | 1,235.3       | 0.53                | -0.48                | 8.01                |  |
| 5,367.0                       | 0.66       | 88.96                | 4,983.8       | 1,582.7          | -987.8        | 1,236.8       | 1.13                | -0.98                | 32.82               |  |
| 5,453.0                       | 0.13       | 162.33               | 5,069.8       | 1,583.2          | -987.9        | 1,237.3       | 0.74                | -0.62                | 85.31               |  |
| 5,537.0                       | 0.83       | 221.41               | 5,153.8       | 1,583.3          | -988.4        | 1,236.9       | 0.92                | 0.83                 | 70.33               |  |
| 5,621.0                       | 1.10       | 227.22               | 5,237.8       | 1,583.1          | -989.4        | 1,235.9       | 0.34                | 0.32                 | 6.92                |  |
| 5,706.0                       | 1.15       | 246.76               | 5,322.7       | 1,582.6          | -990.3        | 1,234.5       | 0.45                | 0.06                 | 22.99               |  |
| 5,790.0                       | 1.98       | 234.51               | 5,406.7       | 1,581.8          | -991.5        | 1,232.6       | 1.06                | 0.99                 | -14.58              |  |
| 5,874.0                       | 0.48       | 348.50               | 5,490.7       | 1,581.2          | -992.0        | 1,231.3       | 2.64                | -1.79                | 135.70              |  |
| 5,959.0                       | 0.11       | 21.00                | 5,575.7       | 1,580.9          | -991.6        | 1,231.3       | 0.46                | -0.44                | 38.24               |  |
| 6,043.0                       | 0.44       | 275.38               | 5,659.7       | 1,580.6          | -991.5        | 1,231.0       | 0.57                | 0.39                 | -125.74             |  |
| 6,127.0                       | 1.17       | 260.67               | 5,743.7       | 1,579.7          | -991.6        | 1,229.8       | 0.90                | 0.87                 | -17.51              |  |
| 6,214.0                       | 1.58       | 256.79               | 5,830.7       | 1,578.4          | -992.0        | 1,227.8       | 0.48                | 0.47                 | -4.46               |  |
| 6,298.0                       | 2.02       | 250.02               | 5,914.6       | 1,577.0          | -992.8        | 1,225.3       | 0.58                | 0.52                 | -8.06               |  |
| 6,355.0                       | 1.67       | 246.42               | 5,971.6       | 1,576.1          | -993.4        | 1,223.5       | 0.65                | -0.61                | -6.32               |  |
| Last PZD Survey               |            |                      |               |                  |               |               |                     |                      |                     |  |
| 6,415.0                       | 1.67       | 246.42               | 6,031.6       | 1,575.3          | -994.1        | 1,221.9       | 0.00                | 0.00                 | 0.00                |  |
| Straightline Projection to TD |            |                      |               |                  |               |               |                     |                      |                     |  |

|                  |                             |                                     |                                           |
|------------------|-----------------------------|-------------------------------------|-------------------------------------------|
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>Local Co-ordinate Reference:</b> | Well BMC B 23B-18-07-95                   |
| <b>Project:</b>  | Rockies Region              | <b>TVD Reference:</b>               | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Site:</b>     | BMC B                       | <b>MD Reference:</b>                | BMC B 23B-18-07-95 @ 5117.0usft (Plan KB) |
| <b>Well:</b>     | BMC B 23B-18-07-95          | <b>North Reference:</b>             | True                                      |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                         |
| <b>Design:</b>   | Actual                      | <b>Database:</b>                    | EDM 5000.1 Single User Db                 |

| Design Annotations          |                             |                   |                 |                               |
|-----------------------------|-----------------------------|-------------------|-----------------|-------------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                       |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                               |
| 1,790.0                     | 1,655.8                     | -375.3            | 446.7           | Last PZD Surface Survey       |
| 6,355.0                     | 5,971.6                     | -993.4            | 1,223.5         | Last PZD Survey               |
| 6,415.0                     | 6,031.6                     | -994.1            | 1,221.9         | Straightline Projection to TD |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|

