



# **Ursa Operating Company, LLC**

**Rio Blanco County, Colorado**

**Jimmy Gulch 3K Pad**

**Jimmy Gulch 3K 43C-3-3-97**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**25 July, 2017**



|                  |                             |                                     |   |
|------------------|-----------------------------|-------------------------------------|---|
| <b>Database:</b> | EDM 5000.1 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well Jimmy Gulch 3K 43C-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Site:</b>     | Jimmy Gulch 3K Pad          | <b>North Reference:</b>             | True  |
| <b>Well:</b>     | Jimmy Gulch 3K 43C-3-3-97   | <b>Survey Calculation Method:</b>   | Minimum Curvature                               |
| <b>Wellbore:</b> | Wellbore #1                 |                                     |   |
| <b>Design:</b>   | Design #1                   |                                     |   |

|                    |                             |                      |                             |
|--------------------|-----------------------------|----------------------|-----------------------------|
| <b>Project</b>     | Rio Blanco County, Colorado |                      |                             |
| <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 Northern Zone      |                      | Using geodetic scale factor |

|                              |                    |                     |                   |                          |                |
|------------------------------|--------------------|---------------------|-------------------|--------------------------|----------------|
| <b>Site</b>                  | Jimmy Gulch 3K Pad |                     |                   |                          |                |
| <b>Site Position:</b>        |                    | <b>Northing:</b>    | 1,187,943.19 usft | <b>Latitude:</b>         | 39.815928222   |
| <b>From:</b>                 | Lat/Long           | <b>Easting:</b>     | 2,222,132.68 usft | <b>Longitude:</b>        | -108.269550766 |
| <b>Position Uncertainty:</b> | 0.0 usft           | <b>Slot Radius:</b> | 13-3/16 "         | <b>Grid Convergence:</b> | -1.79 °        |

|                             |  |            |                            |                   |                      |                |
|-----------------------------|--|------------|----------------------------|-------------------|----------------------|----------------|
| <b>Well</b>                 | Jimmy Gulch 3K 43C-3-3-97, SHL: Lat 39.815802386 Long -108.269533837 |            |                            |                   |                      |                |
| <b>Well Position</b>        | <b>+N/-S</b>   | -45.8 usft | <b>Northing:</b>           | 1,187,897.23 usft | <b>Latitude:</b>     | 39.815802386   |
|                             | <b>+E/-W</b>   | 4.8 usft   | <b>Easting:</b>            | 2,222,136.00 usft | <b>Longitude:</b>    | -108.269533837 |
| <b>Position Uncertainty</b> |  | 0.0 usft   | <b>Wellhead Elevation:</b> | 6,733.5 usft      | <b>Ground Level:</b> | 6,712.5 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          | 7/21/2017          | 9.85                   | 65.80                | 51,649                     |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Design #1                      |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PROTOTYPE           | <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                  | 88.18                |

| <b>Plan Sections</b>  |                 |             |                       |              |              |                         |                        |                       |         |                  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target           |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                  |
| 1,000.0               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                  |
| 1,825.0               | 28.87           | 88.18       | 1,790.5               | 6.5          | 203.4        | 3.50                    | 3.50                   | 0.00                  | 88.18   |                  |
| 7,528.0               | 28.87           | 88.18       | 6,784.5               | 94.0         | 2,955.9      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                  |
| 8,352.9               | 0.00            | 0.00        | 7,575.0               | 100.5        | 3,159.3      | 3.50                    | -3.50                  | 0.00                  | 180.00  | JG 3K 43C-3-3-97 |
| 14,032.9              | 0.00            | 0.00        | 13,255.0              | 100.5        | 3,159.3      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                  |

|                  |                             |                                     |   |
|------------------|-----------------------------|-------------------------------------|---|
| <b>Database:</b> | EDM 5000.1 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well Jimmy Gulch 3K 43C-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Site:</b>     | Jimmy Gulch 3K Pad          | <b>North Reference:</b>             | True  |
| <b>Well:</b>     | Jimmy Gulch 3K 43C-3-3-97   | <b>Survey Calculation Method:</b>   | Minimum Curvature                               |
| <b>Wellbore:</b> | Wellbore #1                 |                                     |   |
| <b>Design:</b>   | Design #1                   |                                     |   |

| Planned Survey                           |                 |             |                       |              |              |                         |                         |                        |                       |      |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|------|
| Measured Depth (usft)                    | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |      |
| 0.0                                      | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 0.1                                      | 0.00            | 0.00        | 0.1                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| <b>SHL 39.815802386, -108.269533837</b>  |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 100.0                                    | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 200.0                                    | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 300.0                                    | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 400.0                                    | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 500.0                                    | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 600.0                                    | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 700.0                                    | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 800.0                                    | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 900.0                                    | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 1,000.0                                  | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| <b>Start Build 3.50</b>                  |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 1,100.0                                  | 3.50            | 88.18       | 1,099.9               | 0.1          | 3.1          | 3.1                     | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,200.0                                  | 7.00            | 88.18       | 1,199.5               | 0.4          | 12.2         | 12.2                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,300.0                                  | 10.50           | 88.18       | 1,298.3               | 0.9          | 27.4         | 27.4                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,389.7                                  | 13.64           | 88.18       | 1,386.0               | 1.5          | 46.1         | 46.2                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| <b>Green River Fm - Mahogany Bench</b>   |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 1,400.0                                  | 14.00           | 88.18       | 1,396.0               | 1.6          | 48.6         | 48.6                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,448.6                                  | 15.70           | 88.18       | 1,443.0               | 1.9          | 61.0         | 61.1                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| <b>Dissolution Surface</b>               |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 1,500.0                                  | 17.50           | 88.18       | 1,492.3               | 2.4          | 75.7         | 75.8                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,600.0                                  | 21.00           | 88.18       | 1,586.7               | 3.5          | 108.7        | 108.7                   | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,700.0                                  | 24.50           | 88.18       | 1,678.9               | 4.7          | 147.3        | 147.4                   | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,800.0                                  | 28.00           | 88.18       | 1,768.5               | 6.1          | 191.5        | 191.6                   | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,825.0                                  | 28.87           | 88.18       | 1,790.5               | 6.5          | 203.4        | 203.5                   | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| <b>Start 5703.0 hold at 1825.0 MD</b>    |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 1,900.0                                  | 28.87           | 88.18       | 1,856.2               | 7.6          | 239.6        | 239.7                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,000.0                                  | 28.87           | 88.18       | 1,943.8               | 9.2          | 287.9        | 288.0                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,100.0                                  | 28.87           | 88.18       | 2,031.3               | 10.7         | 336.1        | 336.3                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,200.0                                  | 28.87           | 88.18       | 2,118.9               | 12.2         | 384.4        | 384.6                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,300.0                                  | 28.87           | 88.18       | 2,206.5               | 13.8         | 432.7        | 432.9                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,400.0                                  | 28.87           | 88.18       | 2,294.0               | 15.3         | 480.9        | 481.2                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,500.0                                  | 28.87           | 88.18       | 2,381.6               | 16.8         | 529.2        | 529.5                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,600.0                                  | 28.87           | 88.18       | 2,469.2               | 18.4         | 577.5        | 577.8                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,700.0                                  | 28.87           | 88.18       | 2,556.7               | 19.9         | 625.7        | 626.0                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,720.9                                  | 28.87           | 88.18       | 2,575.0               | 20.2         | 635.8        | 636.1                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| <b>Green River Fm - Garden Gulch Mbr</b> |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 2,800.0                                  | 28.87           | 88.18       | 2,644.3               | 21.4         | 674.0        | 674.3                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,900.0                                  | 28.87           | 88.18       | 2,731.9               | 23.0         | 722.3        | 722.6                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,976.7                                  | 28.87           | 88.18       | 2,799.0               | 24.2         | 759.3        | 759.6                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| <b>Wasatch Fm</b>                        |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 3,000.0                                  | 28.87           | 88.18       | 2,819.4               | 24.5         | 770.5        | 770.9                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,100.0                                  | 28.87           | 88.18       | 2,907.0               | 26.0         | 818.8        | 819.2                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,200.0                                  | 28.87           | 88.18       | 2,994.6               | 27.6         | 867.1        | 867.5                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,300.0                                  | 28.87           | 88.18       | 3,082.1               | 29.1         | 915.3        | 915.8                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,400.0                                  | 28.87           | 88.18       | 3,169.7               | 30.7         | 963.6        | 964.1                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,500.0                                  | 28.87           | 88.18       | 3,257.3               | 32.2         | 1,011.8      | 1,012.4                 | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,600.0                                  | 28.87           | 88.18       | 3,344.9               | 33.7         | 1,060.1      | 1,060.6                 | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,700.0                                  | 28.87           | 88.18       | 3,432.4               | 35.3         | 1,108.4      | 1,108.9                 | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,800.0                                  | 28.87           | 88.18       | 3,520.0               | 36.8         | 1,156.6      | 1,157.2                 | 0.00                    | 0.00                   | 0.00                  | 0.00 |

|                  |                             |                                     |   |
|------------------|-----------------------------|-------------------------------------|---|
| <b>Database:</b> | EDM 5000.1 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well Jimmy Gulch 3K 43C-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Site:</b>     | Jimmy Gulch 3K Pad          | <b>North Reference:</b>             | True  |
| <b>Well:</b>     | Jimmy Gulch 3K 43C-3-3-97   | <b>Survey Calculation Method:</b>   | Minimum Curvature                               |
| <b>Wellbore:</b> | Wellbore #1                 |                                     |   |
| <b>Design:</b>   | Design #1                   |                                     |   |

| Planned Survey          |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft)   | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 3,900.0                 | 28.87           | 88.18       | 3,607.6               | 38.3         | 1,204.9      | 1,205.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,000.0                 | 28.87           | 88.18       | 3,695.1               | 39.9         | 1,253.2      | 1,253.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,100.0                 | 28.87           | 88.18       | 3,782.7               | 41.4         | 1,301.4      | 1,302.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,200.0                 | 28.87           | 88.18       | 3,870.3               | 42.9         | 1,349.7      | 1,350.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,300.0                 | 28.87           | 88.18       | 3,957.8               | 44.5         | 1,398.0      | 1,398.7                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,348.2                 | 28.87           | 88.18       | 4,000.0               | 45.2         | 1,421.2      | 1,421.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Surface Casing</b>   |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 4,400.0                 | 28.87           | 88.18       | 4,045.4               | 46.0         | 1,446.2      | 1,447.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,500.0                 | 28.87           | 88.18       | 4,133.0               | 47.5         | 1,494.5      | 1,495.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,600.0                 | 28.87           | 88.18       | 4,220.5               | 49.1         | 1,542.8      | 1,543.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,700.0                 | 28.87           | 88.18       | 4,308.1               | 50.6         | 1,591.0      | 1,591.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,800.0                 | 28.87           | 88.18       | 4,395.7               | 52.1         | 1,639.3      | 1,640.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,900.0                 | 28.87           | 88.18       | 4,483.2               | 53.7         | 1,687.5      | 1,688.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,000.0                 | 28.87           | 88.18       | 4,570.8               | 55.2         | 1,735.8      | 1,736.7                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,100.0                 | 28.87           | 88.18       | 4,658.4               | 56.8         | 1,784.1      | 1,785.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,200.0                 | 28.87           | 88.18       | 4,745.9               | 58.3         | 1,832.3      | 1,833.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,300.0                 | 28.87           | 88.18       | 4,833.5               | 59.8         | 1,880.6      | 1,881.6                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,400.0                 | 28.87           | 88.18       | 4,921.1               | 61.4         | 1,928.9      | 1,929.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,500.0                 | 28.87           | 88.18       | 5,008.7               | 62.9         | 1,977.1      | 1,978.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,600.0                 | 28.87           | 88.18       | 5,096.2               | 64.4         | 2,025.4      | 2,026.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,700.0                 | 28.87           | 88.18       | 5,183.8               | 66.0         | 2,073.7      | 2,074.7                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,764.2                 | 28.87           | 88.18       | 5,240.0               | 66.9         | 2,104.6      | 2,105.7                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Ft Union</b>         |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 5,800.0                 | 28.87           | 88.18       | 5,271.4               | 67.5         | 2,121.9      | 2,123.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,900.0                 | 28.87           | 88.18       | 5,358.9               | 69.0         | 2,170.2      | 2,171.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,000.0                 | 28.87           | 88.18       | 5,446.5               | 70.6         | 2,218.5      | 2,219.6                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,100.0                 | 28.87           | 88.18       | 5,534.1               | 72.1         | 2,266.7      | 2,267.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,200.0                 | 28.87           | 88.18       | 5,621.6               | 73.6         | 2,315.0      | 2,316.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,300.0                 | 28.87           | 88.18       | 5,709.2               | 75.2         | 2,363.3      | 2,364.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,400.0                 | 28.87           | 88.18       | 5,796.8               | 76.7         | 2,411.5      | 2,412.7                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,500.0                 | 28.87           | 88.18       | 5,884.3               | 78.2         | 2,459.8      | 2,461.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,600.0                 | 28.87           | 88.18       | 5,971.9               | 79.8         | 2,508.0      | 2,509.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,700.0                 | 28.87           | 88.18       | 6,059.5               | 81.3         | 2,556.3      | 2,557.6                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,800.0                 | 28.87           | 88.18       | 6,147.0               | 82.8         | 2,604.6      | 2,605.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,900.0                 | 28.87           | 88.18       | 6,234.6               | 84.4         | 2,652.8      | 2,654.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,000.0                 | 28.87           | 88.18       | 6,322.2               | 85.9         | 2,701.1      | 2,702.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,100.0                 | 28.87           | 88.18       | 6,409.7               | 87.5         | 2,749.4      | 2,750.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,200.0                 | 28.87           | 88.18       | 6,497.3               | 89.0         | 2,797.6      | 2,799.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,300.0                 | 28.87           | 88.18       | 6,584.9               | 90.5         | 2,845.9      | 2,847.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,400.0                 | 28.87           | 88.18       | 6,672.4               | 92.1         | 2,894.2      | 2,895.6                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,500.0                 | 28.87           | 88.18       | 6,760.0               | 93.6         | 2,942.4      | 2,943.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,528.0                 | 28.87           | 88.18       | 6,784.5               | 94.0         | 2,955.9      | 2,957.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Start Drop -3.50</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 7,600.0                 | 26.35           | 88.18       | 6,848.3               | 95.1         | 2,989.3      | 2,990.8                 | 3.50                    | -3.50                  | 0.00                  |  |
| 7,700.0                 | 22.85           | 88.18       | 6,939.2               | 96.4         | 3,030.9      | 3,032.4                 | 3.50                    | -3.50                  | 0.00                  |  |
| 7,800.0                 | 19.35           | 88.18       | 7,032.5               | 97.6         | 3,066.9      | 3,068.4                 | 3.50                    | -3.50                  | 0.00                  |  |
| 7,900.0                 | 15.85           | 88.18       | 7,127.8               | 98.5         | 3,097.1      | 3,098.7                 | 3.50                    | -3.50                  | 0.00                  |  |
| 8,000.0                 | 12.35           | 88.18       | 7,224.8               | 99.3         | 3,121.4      | 3,123.0                 | 3.50                    | -3.50                  | 0.00                  |  |
| 8,100.0                 | 8.85            | 88.18       | 7,323.1               | 99.9         | 3,139.8      | 3,141.4                 | 3.50                    | -3.50                  | 0.00                  |  |
| 8,200.0                 | 5.35            | 88.18       | 7,422.3               | 100.3        | 3,152.2      | 3,153.8                 | 3.50                    | -3.50                  | 0.00                  |  |
| 8,300.0                 | 1.85            | 88.18       | 7,522.1               | 100.5        | 3,158.5      | 3,160.1                 | 3.50                    | -3.50                  | 0.00                  |  |

|                  |                             |                                     |   |
|------------------|-----------------------------|-------------------------------------|---|
| <b>Database:</b> | EDM 5000.1 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well Jimmy Gulch 3K 43C-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Site:</b>     | Jimmy Gulch 3K Pad          | <b>North Reference:</b>             | True  |
| <b>Well:</b>     | Jimmy Gulch 3K 43C-3-3-97   | <b>Survey Calculation Method:</b>   | Minimum Curvature                               |
| <b>Wellbore:</b> | Wellbore #1                 |                                     |   |
| <b>Design:</b>   | Design #1                   |                                     |   |

| Planned Survey   |                 |             |                       |              |              |                         |                         |                        |                       |  |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft)  | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 8,346.9  | 0.21            | 88.18       | 7,569.0               | 100.5        | 3,159.3      | 3,160.9                 | 3.50                    | -3.50                  | 0.00                  |  |
| <b>Ohio Creek</b>  |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 8,352.9  | 0.00            | 0.00        | 7,575.0               | 100.5        | 3,159.3      | 3,160.9                 | 3.50                    | -3.50                  | 0.00                  |  |
| <b>Start 5680.0 hold at 8352.9 MD - Back to Vertical - Top of Gas - JG 3K 43C-3-3-97</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 8,400.0  | 0.00            | 0.00        | 7,622.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,500.0  | 0.00            | 0.00        | 7,722.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,512.9  | 0.00            | 0.00        | 7,735.0               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Williams Fork</b>   |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 8,600.0  | 0.00            | 0.00        | 7,822.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,700.0  | 0.00            | 0.00        | 7,922.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,800.0  | 0.00            | 0.00        | 8,022.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,900.0  | 0.00            | 0.00        | 8,122.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,000.0  | 0.00            | 0.00        | 8,222.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,100.0  | 0.00            | 0.00        | 8,322.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,200.0  | 0.00            | 0.00        | 8,422.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,300.0  | 0.00            | 0.00        | 8,522.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,400.0  | 0.00            | 0.00        | 8,622.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,500.0  | 0.00            | 0.00        | 8,722.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,600.0  | 0.00            | 0.00        | 8,822.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,700.0  | 0.00            | 0.00        | 8,922.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,800.0  | 0.00            | 0.00        | 9,022.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,900.0  | 0.00            | 0.00        | 9,122.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,000.0   | 0.00            | 0.00        | 9,222.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,100.0   | 0.00            | 0.00        | 9,322.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,200.0   | 0.00            | 0.00        | 9,422.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,300.0   | 0.00            | 0.00        | 9,522.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,400.0   | 0.00            | 0.00        | 9,622.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,500.0   | 0.00            | 0.00        | 9,722.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,600.0   | 0.00            | 0.00        | 9,822.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,700.0   | 0.00            | 0.00        | 9,922.1               | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,800.0   | 0.00            | 0.00        | 10,022.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,900.0   | 0.00            | 0.00        | 10,122.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,000.0   | 0.00            | 0.00        | 10,222.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,100.0   | 0.00            | 0.00        | 10,322.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,200.0   | 0.00            | 0.00        | 10,422.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,300.0   | 0.00            | 0.00        | 10,522.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,400.0   | 0.00            | 0.00        | 10,622.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,500.0   | 0.00            | 0.00        | 10,722.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,600.0   | 0.00            | 0.00        | 10,822.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,700.0   | 0.00            | 0.00        | 10,922.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,800.0   | 0.00            | 0.00        | 11,022.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,900.0   | 0.00            | 0.00        | 11,122.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,982.9   | 0.00            | 0.00        | 11,205.0              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Cameo</b>   |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 12,000.0   | 0.00            | 0.00        | 11,222.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,100.0   | 0.00            | 0.00        | 11,322.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,200.0   | 0.00            | 0.00        | 11,422.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,300.0   | 0.00            | 0.00        | 11,522.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,400.0   | 0.00            | 0.00        | 11,622.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,482.9   | 0.00            | 0.00        | 11,705.0              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Rollins</b>   |                 |             |                       |              |              |                         |                         |                        |                       |  |

|                  |                             |                                     |   |
|------------------|-----------------------------|-------------------------------------|---|
| <b>Database:</b> | EDM 5000.1 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well Jimmy Gulch 3K 43C-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Site:</b>     | Jimmy Gulch 3K Pad          | <b>North Reference:</b>             | True  |
| <b>Well:</b>     | Jimmy Gulch 3K 43C-3-3-97   | <b>Survey Calculation Method:</b>   | Minimum Curvature                               |
| <b>Wellbore:</b> | Wellbore #1                 |                                     |   |
| <b>Design:</b>   | Design #1                   |                                     |   |

| Planned Survey                                      |                 |             |                       |              |              |                         |                         |                        |                       |  |
|---|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft)                               | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 12,500.0  | 0.00            | 0.00        | 11,722.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,600.0  | 0.00            | 0.00        | 11,822.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,649.9  | 0.00            | 0.00        | 11,872.0              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Cozzette Fm</b>                                  |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 12,700.0  | 0.00            | 0.00        | 11,922.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,800.0  | 0.00            | 0.00        | 12,022.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,900.0  | 0.00            | 0.00        | 12,122.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,000.0  | 0.00            | 0.00        | 12,222.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,006.9  | 0.00            | 0.00        | 12,229.0              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Corcoran</b>                                     |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 13,100.0  | 0.00            | 0.00        | 12,322.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,200.0  | 0.00            | 0.00        | 12,422.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,300.0  | 0.00            | 0.00        | 12,522.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,400.0  | 0.00            | 0.00        | 12,622.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,500.0  | 0.00            | 0.00        | 12,722.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,600.0  | 0.00            | 0.00        | 12,822.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,700.0  | 0.00            | 0.00        | 12,922.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,800.0  | 0.00            | 0.00        | 13,022.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,900.0  | 0.00            | 0.00        | 13,122.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,000.0  | 0.00            | 0.00        | 13,222.1              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,032.9  | 0.00            | 0.00        | 13,255.0              | 100.5        | 3,159.3      | 3,160.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>TD at 14032.9 - BHL 39.8160777, -108.2582872</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |

| Design Targets                            |               |              |            |              |              |                 |                |              |                |  |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|--------------|----------------|--|
| Target Name                               | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude     | Longitude      |  |
| JG 3K 43C-3-3-97                          | 0.00          | 0.00         | 7,575.0    | 100.5        | 3,159.3      | 1,187,899.02    | 2,225,296.88   | 39.816077700 | -108.258287200 |  |
| - hit/miss target                         |               |              |            |              |              |                 |                |              |                |  |
| - Shape                                   |               |              |            |              |              |                 |                |              |                |  |
| - plan hits target center                 |               |              |            |              |              |                 |                |              |                |  |
| - Rectangle (sides W100.0 H40.0 D5,680.0) |               |              |            |              |              |                 |                |              |                |  |

|                  |                             |                                     |   |
|------------------|-----------------------------|-------------------------------------|---|
| <b>Database:</b> | EDM 5000.1 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well Jimmy Gulch 3K 43C-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 43C-3-3-97 @ 6733.5usft (Est KB) |
| <b>Site:</b>     | Jimmy Gulch 3K Pad          | <b>North Reference:</b>             | True  |
| <b>Well:</b>     | Jimmy Gulch 3K 43C-3-3-97   | <b>Survey Calculation Method:</b>   | Minimum Curvature                               |
| <b>Wellbore:</b> | Wellbore #1                 |                                     |   |
| <b>Design:</b>   | Design #1                   |                                     |   |

| Formations            |                       |                                   |           |         |                   |
|-----------------------|-----------------------|-----------------------------------|-----------|---------|-------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name                              | Lithology | Dip (°) | Dip Direction (°) |
| 1,389.7               | 1,386.0               | Green River Fm - Mahogany Bench   |           | 0.00    |                   |
| 1,448.6               | 1,443.0               | Dissolution Surface               |           | 0.00    |                   |
| 2,720.9               | 2,575.0               | Green River Fm - Garden Gulch Mbr |           | 0.00    |                   |
| 2,976.7               | 2,799.0               | Wasatch Fm                        |           | 0.00    |                   |
| 5,764.2               | 5,240.0               | Ft Union                          |           | 0.00    |                   |
| 8,346.9               | 7,569.0               | Ohio Creek                        |           | 0.00    |                   |
| 8,352.9               | 7,575.0               | Top of Gas                        |           | 0.00    |                   |
| 8,512.9               | 7,735.0               | Williams Fork                     |           | 0.00    |                   |
| 11,982.9              | 11,205.0              | Cameo                             |           | 0.00    |                   |
| 12,482.9              | 11,705.0              | Rollins                           |           | 0.00    |                   |
| 12,649.9              | 11,872.0              | Cozzette Fm                       |           | 0.00    |                   |
| 13,006.9              | 12,229.0              | Corcoran                          |           | 0.00    |                   |

| Plan Annotations      |                       |                   |              |                                  |  |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                          |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                  |  |
| 0.1                   | 0.1                   | 0.0               | 0.0          | SHL 39.815802386, -108.269533837 |  |
| 1,000.0               | 1,000.0               | 0.0               | 0.0          | Start Build 3.50                 |  |
| 1,825.0               | 1,790.5               | 6.5               | 203.4        | Start 5703.0 hold at 1825.0 MD   |  |
| 4,348.2               | 4,000.0               | 45.2              | 1,421.2      | Surface Casing                   |  |
| 7,528.0               | 6,784.5               | 94.0              | 2,955.9      | Start Drop -3.50                 |  |
| 8,352.9               | 7,575.0               | 100.5             | 3,159.3      | Start 5680.0 hold at 8352.9 MD   |  |
| 8,352.9               | 7,575.0               | 100.5             | 3,159.3      | Back to Vertical                 |  |
| 14,032.9              | 13,255.0              | 100.5             | 3,159.3      | TD at 14032.9                    |  |
| 14,032.9              | 13,255.0              | 100.5             | 3,159.3      | BHL 39.8160777, -108.2582872     |  |



Well Name: Jimmy Gulch 3K 43C-3-97  
 Surface Location: Jimmy Gulch 3K Pad  
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone  
 Ground Elevation: 6712.5  
 +N/-S +E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1187897.24 2222136.00 39.815802386 -108.269533837  
 Est KB Jimmy Gulch 3K 43C-3-97 @ 6733.5usft (Est KB)



Azimuths to True North  
 Magnetic North: 9.85°  
 Magnetic Field  
 Strength: 51649.3snT  
 Dip Angle: 65.80°  
 Date: 7/21/2017  
 Model: IGRF2015

Jimmy Gulch 3K Pad  
 Jimmy Gulch 3K 43C-3-97  
 Design #1  
 20:39, July 25 2017

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

| Name               | TVD    | +N/-S | +E/-W  | Northing   | Easting    | Latitude     | Longitude      | Shape                           |
|--------------------|--------|-------|--------|------------|------------|--------------|----------------|---------------------------------|
| JG 3K 43C-3-97 TGT | 7575.0 | 100.5 | 3159.3 | 1187899.02 | 2225296.88 | 39.816077700 | -108.258287200 | Rectangle (Sides: L40.0 W100.0) |

SECTION DETAILS

| Sec | MD      | Inc   | Azi   | TVD     | +N/-S | +E/-W  | Dleg | TFace  | VSec   | Target             |
|-----|---------|-------|-------|---------|-------|--------|------|--------|--------|--------------------|
| 1   | 0.0     | 0.00  | 0.00  | 0.00    | 0.0   | 0.0    | 0.00 | 0.00   | 0.0    |                    |
| 2   | 1000.0  | 0.00  | 0.00  | 1000.00 | 0.0   | 0.0    | 0.00 | 0.00   | 0.0    |                    |
| 3   | 1825.0  | 28.87 | 88.18 | 1790.5  | 6.5   | 203.4  | 3.50 | 88.18  | 203.5  |                    |
| 4   | 7528.0  | 28.87 | 88.18 | 6784.5  | 94.0  | 2955.9 | 0.00 | 0.00   | 2957.4 |                    |
| 5   | 8352.9  | 0.00  | 0.00  | 7575.0  | 100.5 | 3159.3 | 3.50 | 180.00 | 3160.9 | JG 3K 43C-3-97 TGT |
| 6   | 14032.9 | 0.00  | 0.00  | 13255.0 | 100.5 | 3159.3 | 0.00 | 0.00   | 3160.9 |                    |

ANNOTATIONS

| TVD     | MD      | Annotation                       |
|---------|---------|----------------------------------|
| 0.1     | 0.1     | SHL 39.815802386, -108.269533837 |
| 1000.0  | 1000.0  | Start Build 3.50                 |
| 1790.5  | 1825.0  | Start 5703.0 hold at 1825.0 MD   |
| 4000.0  | 4348.2  | Surface Casing                   |
| 6784.5  | 7528.0  | Start Drop -3.50                 |
| 7575.0  | 8352.9  | Start 5680.0 hold at 8352.9 MD   |
| 7575.0  | 8352.9  | Back to Vertical                 |
| 13255.0 | 14032.9 | TD at 14032.9                    |
| 13255.0 | 14032.9 | BHL 39.8160777, -108.2582872     |

FORMATION TOP DETAILS

| TVDPath | MDPath  | Formation           | DipAngle | DipDir |
|---------|---------|---------------------|----------|--------|
| 1386.0  | 1389.7  | Mahogany Bench      | 0.00     |        |
| 1443.0  | 1448.6  | Dissolution Surface | 0.00     |        |
| 2575.0  | 2720.9  | Garden Gulch Mbr    | 0.00     |        |
| 2799.0  | 2976.7  | Wasatch Fm          | 0.00     |        |
| 5240.0  | 5764.2  | Ft Union            | 0.00     |        |
| 7569.0  | 8346.9  | Ohio Creek          | 0.00     |        |
| 7575.0  | 8352.9  | Top of Gas          | 0.00     |        |
| 7735.0  | 8512.9  | Williams Fork       | 0.00     |        |
| 11205.0 | 11982.9 | Cameo               | 0.00     |        |
| 11705.0 | 12482.9 | Rollins             | 0.00     |        |
| 11872.0 | 12649.9 | Cozzette Fm         | 0.00     |        |
| 12229.0 | 13006.9 | Corcoran            | 0.00     |        |

