



# **Ursa Operating Company, LLC**

**Rio Blanco County, Colorado**

**Jimmy Gulch 3K Pad**

**Jimmy Gulch 3K 33A-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 33A-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 33A-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 33A-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 33A-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 33A-3-3-97, SHL: Lat 39.815925065 Long -108.269515414 |           |                            |                   |                      |                |
| <b>Well Position</b>        | <b>+N/-S</b>   | -1.1 usft | <b>Northing:</b>           | 1,187,941.74 usft | <b>Latitude:</b>     | 39.815925065   |
|                             | <b>+E/-W</b>   | 9.9 usft  | <b>Easting:</b>            | 2,222,142.57 usft | <b>Longitude:</b>    | -108.269515414 |
| <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                  | 64.64                |

| <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    |                     |
| 1,528.1               | 18.48           | 64.64       | 1,519.0               | 36.2         | 76.3         | 3.50                    | 3.50                   | 0.00                  | 64.64   |                     |
| 7,295.6               | 18.48           | 64.64       | 6,989.0               | 819.3        | 1,728.5      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 7,823.7               | 0.00            | 0.00        | 7,508.0               | 855.5        | 1,804.8      | 3.50                    | -3.50                  | 0.00                  | 180.00  | JG 3K 33A-3-3-97 TG |
| 13,503.7              | 0.00            | 0.00        | 13,188.0              | 855.5        | 1,804.8      | 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 33A-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 33A-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 33A-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 33A-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 39.815925065, -108.269515414</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            | 64.64       | 1,099.9               | 1.3          | 2.8          | 3.1                     | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,200.0                                  | 7.00            | 64.64       | 1,199.5               | 5.2          | 11.0         | 12.2                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,300.0                                  | 10.50           | 64.64       | 1,298.3               | 11.7         | 24.8         | 27.4                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,321.1                                  | 11.24           | 64.64       | 1,319.0               | 13.4         | 28.4         | 31.4                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| <b>Green River Fm - Mahogany Bench</b>   |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 1,379.4                                  | 13.28           | 64.64       | 1,376.0               | 18.7         | 39.5         | 43.8                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| <b>Dissolution Surface</b>               |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 1,400.0                                  | 14.00           | 64.64       | 1,396.0               | 20.8         | 43.9         | 48.6                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,500.0                                  | 17.50           | 64.64       | 1,492.3               | 32.5         | 68.5         | 75.8                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| 1,528.1                                  | 18.48           | 64.64       | 1,519.0               | 36.2         | 76.3         | 84.4                    | 3.50                    | 3.50                   | 0.00                  | 0.00 |
| <b>Start 5767.6 hold at 1528.1 MD</b>    |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 1,600.0                                  | 18.48           | 64.64       | 1,587.2               | 45.9         | 96.9         | 107.2                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 1,700.0                                  | 18.48           | 64.64       | 1,682.0               | 59.5         | 125.5        | 138.9                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 1,800.0                                  | 18.48           | 64.64       | 1,776.9               | 73.1         | 154.2        | 170.6                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 1,900.0                                  | 18.48           | 64.64       | 1,871.7               | 86.7         | 182.8        | 202.3                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,000.0                                  | 18.48           | 64.64       | 1,966.5               | 100.3        | 211.5        | 234.0                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,100.0                                  | 18.48           | 64.64       | 2,061.4               | 113.8        | 240.1        | 265.7                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,200.0                                  | 18.48           | 64.64       | 2,156.2               | 127.4        | 268.8        | 297.4                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,300.0                                  | 18.48           | 64.64       | 2,251.1               | 141.0        | 297.4        | 329.1                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,400.0                                  | 18.48           | 64.64       | 2,345.9               | 154.6        | 326.1        | 360.8                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,500.0                                  | 18.48           | 64.64       | 2,440.8               | 168.1        | 354.7        | 392.5                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,570.9                                  | 18.48           | 64.64       | 2,508.0               | 177.8        | 375.0        | 415.0                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| <b>Green River Fm - Garden Gulch Mbr</b> |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 2,600.0                                  | 18.48           | 64.64       | 2,535.6               | 181.7        | 383.4        | 424.3                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,700.0                                  | 18.48           | 64.64       | 2,630.4               | 195.3        | 412.0        | 456.0                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,800.0                                  | 18.48           | 64.64       | 2,725.3               | 208.9        | 440.7        | 487.7                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 2,807.1                                  | 18.48           | 64.64       | 2,732.0               | 209.8        | 442.7        | 489.9                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| <b>Wasatch Fm</b>                        |                 |             |                       |              |              |                         |                         |                        |                       |      |
| 2,900.0                                  | 18.48           | 64.64       | 2,820.1               | 222.5        | 469.3        | 519.4                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,000.0                                  | 18.48           | 64.64       | 2,915.0               | 236.0        | 497.9        | 551.1                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,100.0                                  | 18.48           | 64.64       | 3,009.8               | 249.6        | 526.6        | 582.8                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,200.0                                  | 18.48           | 64.64       | 3,104.7               | 263.2        | 555.2        | 614.5                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,300.0                                  | 18.48           | 64.64       | 3,199.5               | 276.8        | 583.9        | 646.2                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,400.0                                  | 18.48           | 64.64       | 3,294.3               | 290.4        | 612.5        | 677.9                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,500.0                                  | 18.48           | 64.64       | 3,389.2               | 303.9        | 641.2        | 709.6                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,600.0                                  | 18.48           | 64.64       | 3,484.0               | 317.5        | 669.8        | 741.3                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,700.0                                  | 18.48           | 64.64       | 3,578.9               | 331.1        | 698.5        | 773.0                   | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 3,800.0                                  | 18.48           | 64.64       | 3,673.7               | 344.7        | 727.1        | 804.7                   | 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 33A-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 33A-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 33A-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 33A-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  | 18.48           | 64.64       | 3,768.5               | 358.2        | 755.8        | 836.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 4,000.0  | 18.48           | 64.64       | 3,863.4               | 371.8        | 784.4        | 868.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 4,100.0  | 18.48           | 64.64       | 3,958.2               | 385.4        | 813.0        | 899.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 4,144.0  | 18.48           | 64.64       | 4,000.0               | 391.4        | 825.7        | 913.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Surface Casing</b>  |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 4,200.0  | 18.48           | 64.64       | 4,053.1               | 399.0        | 841.7        | 931.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 4,300.0  | 18.48           | 64.64       | 4,147.9               | 412.6        | 870.3        | 963.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 4,400.0  | 18.48           | 64.64       | 4,242.8               | 426.1        | 899.0        | 994.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 4,500.0  | 18.48           | 64.64       | 4,337.6               | 439.7        | 927.6        | 1,026.6                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,600.0  | 18.48           | 64.64       | 4,432.4               | 453.3        | 956.3        | 1,058.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,700.0  | 18.48           | 64.64       | 4,527.3               | 466.9        | 984.9        | 1,090.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,800.0  | 18.48           | 64.64       | 4,622.1               | 480.5        | 1,013.6      | 1,121.7                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,900.0  | 18.48           | 64.64       | 4,717.0               | 494.0        | 1,042.2      | 1,153.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,000.0  | 18.48           | 64.64       | 4,811.8               | 507.6        | 1,070.9      | 1,185.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,100.0  | 18.48           | 64.64       | 4,906.7               | 521.2        | 1,099.5      | 1,216.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,200.0  | 18.48           | 64.64       | 5,001.5               | 534.8        | 1,128.1      | 1,248.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,300.0  | 18.48           | 64.64       | 5,096.3               | 548.4        | 1,156.8      | 1,280.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,380.8  | 18.48           | 64.64       | 5,173.0               | 559.3        | 1,179.9      | 1,305.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Ft Union</b>  |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 5,400.0  | 18.48           | 64.64       | 5,191.2               | 561.9        | 1,185.4      | 1,311.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,500.0  | 18.48           | 64.64       | 5,286.0               | 575.5        | 1,214.1      | 1,343.6                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,600.0  | 18.48           | 64.64       | 5,380.9               | 589.1        | 1,242.7      | 1,375.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,700.0  | 18.48           | 64.64       | 5,475.7               | 602.7        | 1,271.4      | 1,407.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,800.0  | 18.48           | 64.64       | 5,570.6               | 616.2        | 1,300.0      | 1,438.7                 | 0.00                    | 0.00                   | 0.00                  |  |
| 5,900.0  | 18.48           | 64.64       | 5,665.4               | 629.8        | 1,328.7      | 1,470.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,000.0  | 18.48           | 64.64       | 5,760.2               | 643.4        | 1,357.3      | 1,502.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,100.0  | 18.48           | 64.64       | 5,855.1               | 657.0        | 1,386.0      | 1,533.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,200.0  | 18.48           | 64.64       | 5,949.9               | 670.6        | 1,414.6      | 1,565.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,300.0  | 18.48           | 64.64       | 6,044.8               | 684.1        | 1,443.3      | 1,597.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,400.0  | 18.48           | 64.64       | 6,139.6               | 697.7        | 1,471.9      | 1,628.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,500.0  | 18.48           | 64.64       | 6,234.4               | 711.3        | 1,500.5      | 1,660.6                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,600.0  | 18.48           | 64.64       | 6,329.3               | 724.9        | 1,529.2      | 1,692.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,700.0  | 18.48           | 64.64       | 6,424.1               | 738.5        | 1,557.8      | 1,724.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,800.0  | 18.48           | 64.64       | 6,519.0               | 752.0        | 1,586.5      | 1,755.7                 | 0.00                    | 0.00                   | 0.00                  |  |
| 6,900.0  | 18.48           | 64.64       | 6,613.8               | 765.6        | 1,615.1      | 1,787.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,000.0  | 18.48           | 64.64       | 6,708.7               | 779.2        | 1,643.8      | 1,819.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,100.0  | 18.48           | 64.64       | 6,803.5               | 792.8        | 1,672.4      | 1,850.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,200.0  | 18.48           | 64.64       | 6,898.3               | 806.4        | 1,701.1      | 1,882.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 7,295.6  | 18.48           | 64.64       | 6,989.0               | 819.3        | 1,728.5      | 1,912.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Start Drop -3.50</b>  |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 7,300.0  | 18.33           | 64.64       | 6,993.2               | 819.9        | 1,729.7      | 1,914.2                 | 3.50                    | -3.50                  | 0.00                  |  |
| 7,400.0  | 14.83           | 64.64       | 7,089.0               | 832.1        | 1,755.5      | 1,942.7                 | 3.50                    | -3.50                  | 0.00                  |  |
| 7,500.0  | 11.33           | 64.64       | 7,186.4               | 841.8        | 1,775.9      | 1,965.4                 | 3.50                    | -3.50                  | 0.00                  |  |
| 7,600.0  | 7.83            | 64.64       | 7,285.0               | 849.0        | 1,791.0      | 1,982.0                 | 3.50                    | -3.50                  | 0.00                  |  |
| 7,700.0  | 4.33            | 64.64       | 7,384.4               | 853.5        | 1,800.5      | 1,992.6                 | 3.50                    | -3.50                  | 0.00                  |  |
| 7,800.0  | 0.83            | 64.64       | 7,484.3               | 855.4        | 1,804.6      | 1,997.1                 | 3.50                    | -3.50                  | 0.00                  |  |
| 7,817.7  | 0.21            | 64.64       | 7,502.0               | 855.5        | 1,804.7      | 1,997.2                 | 3.50                    | -3.50                  | 0.00                  |  |
| <b>Ohio Creek</b>  |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 7,823.7  | 0.00            | 0.00        | 7,508.0               | 855.5        | 1,804.8      | 1,997.3                 | 3.50                    | -3.50                  | -1,077.29             |  |
| <b>Back to Vertical - Start 5680.0 hold at 7823.7 MD - Top of Gas - JG 3K 33A-3-3-97 TGT</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 7,900.0  | 0.00            | 0.00        | 7,584.3               | 855.5        | 1,804.8      | 1,997.3                 | 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 33A-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 33A-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 33A-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 33A-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) |  |
| 7,983.7               | 0.00            | 0.00        | 7,668.0               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Williams Fork</b>  |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 8,000.0               | 0.00            | 0.00        | 7,684.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,100.0               | 0.00            | 0.00        | 7,784.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,200.0               | 0.00            | 0.00        | 7,884.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,300.0               | 0.00            | 0.00        | 7,984.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,400.0               | 0.00            | 0.00        | 8,084.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,500.0               | 0.00            | 0.00        | 8,184.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,600.0               | 0.00            | 0.00        | 8,284.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,700.0               | 0.00            | 0.00        | 8,384.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,800.0               | 0.00            | 0.00        | 8,484.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,900.0               | 0.00            | 0.00        | 8,584.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,000.0               | 0.00            | 0.00        | 8,684.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,100.0               | 0.00            | 0.00        | 8,784.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,200.0               | 0.00            | 0.00        | 8,884.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,300.0               | 0.00            | 0.00        | 8,984.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,400.0               | 0.00            | 0.00        | 9,084.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,500.0               | 0.00            | 0.00        | 9,184.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,600.0               | 0.00            | 0.00        | 9,284.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,700.0               | 0.00            | 0.00        | 9,384.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,800.0               | 0.00            | 0.00        | 9,484.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,900.0               | 0.00            | 0.00        | 9,584.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,000.0              | 0.00            | 0.00        | 9,684.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,100.0              | 0.00            | 0.00        | 9,784.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,200.0              | 0.00            | 0.00        | 9,884.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,300.0              | 0.00            | 0.00        | 9,984.3               | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,400.0              | 0.00            | 0.00        | 10,084.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,500.0              | 0.00            | 0.00        | 10,184.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,600.0              | 0.00            | 0.00        | 10,284.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,700.0              | 0.00            | 0.00        | 10,384.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,800.0              | 0.00            | 0.00        | 10,484.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 10,900.0              | 0.00            | 0.00        | 10,584.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,000.0              | 0.00            | 0.00        | 10,684.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,100.0              | 0.00            | 0.00        | 10,784.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,200.0              | 0.00            | 0.00        | 10,884.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,300.0              | 0.00            | 0.00        | 10,984.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,400.0              | 0.00            | 0.00        | 11,084.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,453.7              | 0.00            | 0.00        | 11,138.0              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Cameo</b>          |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 11,500.0              | 0.00            | 0.00        | 11,184.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,600.0              | 0.00            | 0.00        | 11,284.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,700.0              | 0.00            | 0.00        | 11,384.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,800.0              | 0.00            | 0.00        | 11,484.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,900.0              | 0.00            | 0.00        | 11,584.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,953.7              | 0.00            | 0.00        | 11,638.0              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Rollins</b>        |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 12,000.0              | 0.00            | 0.00        | 11,684.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,100.0              | 0.00            | 0.00        | 11,784.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,120.7              | 0.00            | 0.00        | 11,805.0              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Cozette Fm</b>     |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 12,200.0              | 0.00            | 0.00        | 11,884.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,300.0              | 0.00            | 0.00        | 11,984.3              | 855.5        | 1,804.8      | 1,997.3                 | 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 33A-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 33A-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 33A-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 33A-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) |  |
| 12,400.0  | 0.00            | 0.00        | 12,084.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,477.7  | 0.00            | 0.00        | 12,162.0              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Corcoran</b>                                     |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 12,500.0  | 0.00            | 0.00        | 12,184.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,600.0  | 0.00            | 0.00        | 12,284.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,700.0  | 0.00            | 0.00        | 12,384.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,800.0  | 0.00            | 0.00        | 12,484.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,900.0  | 0.00            | 0.00        | 12,584.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,000.0  | 0.00            | 0.00        | 12,684.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,100.0  | 0.00            | 0.00        | 12,784.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,200.0  | 0.00            | 0.00        | 12,884.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,300.0  | 0.00            | 0.00        | 12,984.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,400.0  | 0.00            | 0.00        | 13,084.3              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,503.7  | 0.00            | 0.00        | 13,188.0              | 855.5        | 1,804.8      | 1,997.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>TD at 13503.7 - BHL 39.8182734, -108.2630906</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 33A-3-3-97 TGT                      | 0.00          | 0.00         | 7,508.0    | 855.5        | 1,804.8      | 1,188,740.45    | 2,223,973.13   | 39.818273400 | -108.263090600 |  |
| - hit/miss target                         |               |              |            |              |              |                 |                |              |                |  |
| - Shape                                   |               |              |            |              |              |                 |                |              |                |  |
| - plan hits target center                 |               |              |            |              |              |                 |                |              |                |  |
| - Rectangle (sides W100.0 H40.0 D5,680.0) |               |              |            |              |              |                 |                |              |                |  |

| Formations            |                       |                                   |           |         |                   |  |
|-----------------------|-----------------------|-----------------------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                              | Lithology | Dip (°) | Dip Direction (°) |  |
| 1,321.1               | 1,319.0               | Green River Fm - Mahogany Bench   |           | 0.00    |                   |  |
| 1,379.4               | 1,376.0               | Dissolution Surface               |           | 0.00    |                   |  |
| 2,570.9               | 2,508.0               | Green River Fm - Garden Gulch Mbr |           | 0.00    |                   |  |
| 2,807.1               | 2,732.0               | Wasatch Fm                        |           | 0.00    |                   |  |
| 5,380.8               | 5,173.0               | Ft Union                          |           | 0.00    |                   |  |
| 7,817.7               | 7,502.0               | Ohio Creek                        |           | 0.00    |                   |  |
| 7,823.7               | 7,508.0               | Top of Gas                        |           | 0.00    |                   |  |
| 7,983.7               | 7,668.0               | Williams Fork                     |           | 0.00    |                   |  |
| 11,453.7              | 11,138.0              | Cameo                             |           | 0.00    |                   |  |
| 11,953.7              | 11,638.0              | Rollins                           |           | 0.00    |                   |  |
| 12,120.7              | 11,805.0              | Cozzette Fm                       |           | 0.00    |                   |  |
| 12,477.7              | 12,162.0              | Corcoran                          |           | 0.00    |                   |  |

|                  |                             |                                     |   |
|------------------|-----------------------------|-------------------------------------|---|
| <b>Database:</b> | EDM 5000.1 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well Jimmy Gulch 3K 33A-3-3-97                  |
| <b>Company:</b>  | Ursa Operating Company, LLC | <b>TVD Reference:</b>               | Jimmy Gulch 3K 33A-3-3-97 @ 6733.5usft (Est KB) |
| <b>Project:</b>  | Rio Blanco County, Colorado | <b>MD Reference:</b>                | Jimmy Gulch 3K 33A-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 33A-3-3-97   | <b>Survey Calculation Method:</b>   | Minimum Curvature                               |
| <b>Wellbore:</b> | Wellbore #1                 |                                     |   |
| <b>Design:</b>   | Design #1                   |                                     |   |

| 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 39.815925065, -108.269515414 |
| 1,000.0               | 1,000.0               | 0.0               | 0.0          | Start Build 3.50                 |
| 1,528.1               | 1,519.0               | 36.2              | 76.3         | Start 5767.6 hold at 1528.1 MD   |
| 4,144.0               | 4,000.0               | 391.4             | 825.7        | Surface Casing                   |
| 7,295.6               | 6,989.0               | 819.3             | 1,728.5      | Start Drop -3.50                 |
| 7,823.7               | 7,508.0               | 855.5             | 1,804.8      | Back to Vertical                 |
| 7,823.7               | 7,508.0               | 855.5             | 1,804.8      | Start 5680.0 hold at 7823.7 MD   |
| 13,503.7              | 13,188.0              | 855.5             | 1,804.8      | TD at 13503.7                    |
| 13,503.7              | 13,188.0              | 855.5             | 1,804.8      | BHL 39.8182734, -108.2630906     |



Well Name: Jimmy Gulch 3K 33A-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 0.0 +E/-W 0.0 Northing 1187941.74 Easting 2222142.57 Latitude 39.815925065 Longitude -108.269515414  
 Est KB Jimmy Gulch 3K 33A-3-97 @ 6733.5usft (Est KB)



Azimuths to True North  
 Magnetic North: 9.85°  
 Magnetic Field  
 Strength: 51649.4snT  
 Dip Angle: 65.80°  
 Date: 7/21/2017  
 Model: IGRF2015

Jimmy Gulch 3K Pad  
 Jimmy Gulch 3K 33A-3-97  
 Design #1  
 19:46, 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 33A-3-97 TGT | 7508.0 | 855.5 | 1804.8 | 1188740.46 | 2222973.13 | 39.818273400 | -108.263090600 | Rectangle (Sides: L40.0 W100.0) |

SECTION DETAILS

| Sec | MD      | Inc   | Azi   | TVD     | +N/-S | +E/-W  | Dleg | TFace  | Vsect  | Target             |
|-----|---------|-------|-------|---------|-------|--------|------|--------|--------|--------------------|
| 1   | 0.0     | 0.00  | 0.00  | 0.0     | 0.0   | 0.0    | 0.00 | 0.00   | 0.0    |                    |
| 2   | 1000.0  | 0.00  | 0.00  | 1000.0  | 0.0   | 0.0    | 0.00 | 0.00   | 0.0    |                    |
| 3   | 1528.1  | 18.48 | 64.64 | 1519.0  | 36.2  | 76.3   | 3.50 | 64.64  | 84.4   |                    |
| 4   | 7295.6  | 18.48 | 64.64 | 6989.0  | 819.3 | 1728.5 | 0.00 | 0.00   | 1912.8 |                    |
| 5   | 7823.7  | 0.00  | 0.00  | 7508.0  | 855.5 | 1804.8 | 3.50 | 180.00 | 1997.3 | JG 3K 33A-3-97 TGT |
| 6   | 13503.7 | 0.00  | 0.00  | 13188.0 | 855.5 | 1804.8 | 0.00 | 0.00   | 1997.3 |                    |

ANNOTATIONS

| TVD     | MD      | Annotation                       |
|---------|---------|----------------------------------|
| 0.1     | 0.1     | SHL 39.815925065, -108.269515414 |
| 1000.0  | 1000.0  | Start Build 3.50                 |
| 1519.0  | 1528.1  | Start 5767.6 hold at 1528.1 MD   |
| 4000.0  | 4144.0  | Surface Casing                   |
| 6989.0  | 7295.6  | Start Drop -3.50                 |
| 7508.0  | 7823.7  | Back to Vertical                 |
| 7508.0  | 7823.7  | Start 5680.0 hold at 7823.7 MD   |
| 13188.0 | 13503.7 | TD at 13503.7                    |
| 13188.0 | 13503.7 | BHL 39.8182734, -108.2630906     |

FORMATION TOP DETAILS

| TVDPath | MDPath  | Formation           | DipAngle | DipDir |
|---------|---------|---------------------|----------|--------|
| 1319.0  | 1321.1  | Mahogany Bench      | 0.00     |        |
| 1376.0  | 1379.4  | Dissolution Surface | 0.00     |        |
| 2508.0  | 2570.9  | Garden Gulch Mbr    | 0.00     |        |
| 2732.0  | 2807.1  | Wasatch Fm          | 0.00     |        |
| 5173.0  | 5380.8  | Ft Union            | 0.00     |        |
| 7502.0  | 7817.7  | Ohio Creek          | 0.00     |        |
| 7508.0  | 7823.7  | Top of Gas          | 0.00     |        |
| 7668.0  | 7983.7  | Williams Fork       | 0.00     |        |
| 11138.0 | 11453.7 | Cameo               | 0.00     |        |
| 11638.0 | 11953.7 | Rollins             | 0.00     |        |
| 11805.0 | 12120.7 | Cozzette Fm         | 0.00     |        |
| 12162.0 | 12477.7 | Corcoran            | 0.00     |        |

