



# **Laramie Energy, LLC**

**Mesa County, CO**

**Currier 0993-16-07 Pad**

**Currier 0993-16-01W - Slot A-22**

**OH**

**Plan: Design #1**

## **KLX Well Planning Report**

**13 July, 2023**





|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Currier 0993-16-01W - Slot A-22 |
| <b>Company:</b>  | Laramie Energy, LLC       | <b>TVD Reference:</b>               | RKB=30' @ 7487.0usft (TBD)           |
| <b>Project:</b>  | Mesa County, CO           | <b>MD Reference:</b>                | RKB=30' @ 7487.0usft (TBD)           |
| <b>Site:</b>     | Currier 0993-16-07 Pad    | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | Currier 0993-16-01W       | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Design #1                 |                                     |                                      |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Mesa County, CO           |                      |                |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | Colorado Central Zone     |                      |                |

|                              |                        |                     |                   |                          |             |
|------------------------------|------------------------|---------------------|-------------------|--------------------------|-------------|
| <b>Site</b>                  | Currier 0993-16-07 Pad |                     |                   |                          |             |
| <b>Site Position:</b>        |                        | <b>Northing:</b>    | 1,534,122.03 usft | <b>Latitude:</b>         | 39.277789   |
| <b>From:</b>                 | Lat/Long               | <b>Easting:</b>     | 2,356,438.51 usft | <b>Longitude:</b>        | -107.773701 |
| <b>Position Uncertainty:</b> | 0.0 usft               | <b>Slot Radius:</b> | 13-3/16 "         | <b>Grid Convergence:</b> | -1.43 °     |

|                             |                                 |            |                            |                   |                      |              |
|-----------------------------|---------------------------------|------------|----------------------------|-------------------|----------------------|--------------|
| <b>Well</b>                 | Currier 0993-16-01W - Slot A-22 |            |                            |                   |                      |              |
| <b>Well Position</b>        | <b>+N/-S</b>                    | 121.3 usft | <b>Northing:</b>           | 1,534,240.37 usft | <b>Latitude:</b>     | 39.278122    |
|                             | <b>+E/-W</b>                    | 116.3 usft | <b>Easting:</b>            | 2,356,557.85 usft | <b>Longitude:</b>    | -107.773290  |
| <b>Position Uncertainty</b> |                                 | 0.0 usft   | <b>Wellhead Elevation:</b> |                   | <b>Ground Level:</b> | 7,457.0 usft |

|                 |    |  |  |  |  |
|-----------------|----|--|--|--|--|
| <b>Wellbore</b> | OH |  |  |  |  |
|-----------------|----|--|--|--|--|

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
|           | HDGM2023   | 7/13/2023   | 8.68            | 65.13         | 50,856.30000000     |

|               |           |  |  |  |
|---------------|-----------|--|--|--|
| <b>Design</b> | Design #1 |  |  |  |
|---------------|-----------|--|--|--|

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <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                  | 331.93               |

|                      |  |  |  |  |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|--|--|--|--|
| <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    |                     |
| 225.0                 | 0.00            | 0.00        | 225.0                 | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 1,265.9               | 26.02           | 331.93      | 1,230.4               | 205.0        | -109.3       | 2.50                    | 2.50                   | 0.00                  | 331.93  |                     |
| 5,395.6               | 26.02           | 331.93      | 4,941.6               | 1,803.7      | -961.8       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 6,436.5               | 0.00            | 0.00        | 5,947.0               | 2,008.7      | -1,071.1     | 2.50                    | -2.50                  | 0.00                  | 180.00  |                     |
| 9,047.5               | 0.00            | 0.00        | 8,558.0               | 2,008.7      | -1,071.1     | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL - Currier 16-C |



|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Currier 0993-16-01W - Slot A-22 |
| <b>Company:</b>  | Laramie Energy, LLC       | <b>TVD Reference:</b>               | RKB=30' @ 7487.0usft (TBD)           |
| <b>Project:</b>  | Mesa County, CO           | <b>MD Reference:</b>                | RKB=30' @ 7487.0usft (TBD)           |
| <b>Site:</b>     | Currier 0993-16-07 Pad    | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | Currier 0993-16-01W       | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <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                  |
| 100.0                                  | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 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                  |
| <b>KOP (Build 2.5° / 100)</b>          |                 |             |                       |              |              |                         |                         |                        |                       |
| 225.0                                  | 0.00            | 0.00        | 225.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                                  | 1.88            | 331.93      | 300.0                 | 1.1          | -0.6         | 1.2                     | 2.50                    | 2.50                   | 0.00                  |
| 400.0                                  | 4.38            | 331.93      | 399.8                 | 5.9          | -3.1         | 6.7                     | 2.50                    | 2.50                   | 0.00                  |
| 500.0                                  | 6.88            | 331.93      | 499.3                 | 14.5         | -7.8         | 16.5                    | 2.50                    | 2.50                   | 0.00                  |
| 600.0                                  | 9.38            | 331.93      | 598.3                 | 27.0         | -14.4        | 30.6                    | 2.50                    | 2.50                   | 0.00                  |
| 700.0                                  | 11.88           | 331.93      | 696.6                 | 43.3         | -23.1        | 49.0                    | 2.50                    | 2.50                   | 0.00                  |
| 800.0                                  | 14.38           | 331.93      | 794.0                 | 63.3         | -33.8        | 71.8                    | 2.50                    | 2.50                   | 0.00                  |
| 900.0                                  | 16.88           | 331.93      | 890.3                 | 87.1         | -46.4        | 98.7                    | 2.50                    | 2.50                   | 0.00                  |
| 1,000.0                                | 19.38           | 331.93      | 985.3                 | 114.5        | -61.1        | 129.8                   | 2.50                    | 2.50                   | 0.00                  |
| 1,100.0                                | 21.88           | 331.93      | 1,078.9               | 145.6        | -77.6        | 165.0                   | 2.50                    | 2.50                   | 0.00                  |
| 1,200.0                                | 24.38           | 331.93      | 1,170.9               | 180.3        | -96.1        | 204.3                   | 2.50                    | 2.50                   | 0.00                  |
| <b>EOB @ 26.02° Inc. / 331.93° Azm</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,265.9                                | 26.02           | 331.93      | 1,230.4               | 205.0        | -109.3       | 232.3                   | 2.50                    | 2.50                   | 0.00                  |
| 1,300.0                                | 26.02           | 331.93      | 1,261.1               | 218.2        | -116.4       | 247.3                   | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0                                | 26.02           | 331.93      | 1,351.0               | 256.9        | -137.0       | 291.2                   | 0.00                    | 0.00                   | 0.00                  |
| <b>8 5/8"</b>                          |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,500.0                                | 26.02           | 331.93      | 1,440.9               | 295.6        | -157.6       | 335.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0                                | 26.02           | 331.93      | 1,530.7               | 334.4        | -178.3       | 378.9                   | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0                                | 26.02           | 331.93      | 1,620.6               | 373.1        | -198.9       | 422.8                   | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0                                | 26.02           | 331.93      | 1,710.4               | 411.8        | -219.6       | 466.7                   | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0                                | 26.02           | 331.93      | 1,800.3               | 450.5        | -240.2       | 510.5                   | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0                                | 26.02           | 331.93      | 1,890.2               | 489.2        | -260.8       | 554.4                   | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0                                | 26.02           | 331.93      | 1,980.0               | 527.9        | -281.5       | 598.3                   | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0                                | 26.02           | 331.93      | 2,069.9               | 566.6        | -302.1       | 642.1                   | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0                                | 26.02           | 331.93      | 2,159.8               | 605.3        | -322.8       | 686.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0                                | 26.02           | 331.93      | 2,249.6               | 644.0        | -343.4       | 729.9                   | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0                                | 26.02           | 331.93      | 2,339.5               | 682.8        | -364.1       | 773.8                   | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0                                | 26.02           | 331.93      | 2,429.3               | 721.5        | -384.7       | 817.6                   | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0                                | 26.02           | 331.93      | 2,519.2               | 760.2        | -405.3       | 861.5                   | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0                                | 26.02           | 331.93      | 2,609.1               | 798.9        | -426.0       | 905.4                   | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0                                | 26.02           | 331.93      | 2,698.9               | 837.6        | -446.6       | 949.2                   | 0.00                    | 0.00                   | 0.00                  |
| <b>Wasatch 'G' Sand</b>                |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,963.5                                | 26.02           | 331.93      | 2,756.0               | 862.2        | -459.7       | 977.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0                                | 26.02           | 331.93      | 2,788.8               | 876.3        | -467.3       | 993.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0                                | 26.02           | 331.93      | 2,878.7               | 915.0        | -487.9       | 1,037.0                 | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0                                | 26.02           | 331.93      | 2,968.5               | 953.7        | -508.5       | 1,080.9                 | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0                                | 26.02           | 331.93      | 3,058.4               | 992.4        | -529.2       | 1,124.7                 | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0                                | 26.02           | 331.93      | 3,148.2               | 1,031.2      | -549.8       | 1,168.6                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Fort Union</b>                      |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,463.2                                | 26.02           | 331.93      | 3,205.0               | 1,055.6      | -562.9       | 1,196.3                 | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0                                | 26.02           | 331.93      | 3,238.1               | 1,069.9      | -570.5       | 1,212.5                 | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0                                | 26.02           | 331.93      | 3,328.0               | 1,108.6      | -591.1       | 1,256.3                 | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0                                | 26.02           | 331.93      | 3,417.8               | 1,147.3      | -611.8       | 1,300.2                 | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0                                | 26.02           | 331.93      | 3,507.7               | 1,186.0      | -632.4       | 1,344.1                 | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0                                | 26.02           | 331.93      | 3,597.6               | 1,224.7      | -653.0       | 1,387.9                 | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0                                | 26.02           | 331.93      | 3,687.4               | 1,263.4      | -673.7       | 1,431.8                 | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0                                | 26.02           | 331.93      | 3,777.3               | 1,302.1      | -694.3       | 1,475.7                 | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0                                | 26.02           | 331.93      | 3,867.1               | 1,340.9      | -715.0       | 1,519.6                 | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0                                | 26.02           | 331.93      | 3,957.0               | 1,379.6      | -735.6       | 1,563.4                 | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0                                | 26.02           | 331.93      | 4,046.9               | 1,418.3      | -756.2       | 1,607.3                 | 0.00                    | 0.00                   | 0.00                  |



|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Currier 0993-16-01W - Slot A-22 |
| <b>Company:</b>  | Laramie Energy, LLC       | <b>TVD Reference:</b>               | RKB=30' @ 7487.0usft (TBD)           |
| <b>Project:</b>  | Mesa County, CO           | <b>MD Reference:</b>                | RKB=30' @ 7487.0usft (TBD)           |
| <b>Site:</b>     | Currier 0993-16-07 Pad    | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | Currier 0993-16-01W       | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <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) |
|-----------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 4,500.0                     | 26.02           | 331.93      | 4,136.7               | 1,457.0      | -776.9       | 1,651.2                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Lower Wasatch</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 4,550.4                     | 26.02           | 331.93      | 4,182.0               | 1,476.5      | -787.3       | 1,673.3                 | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0                     | 26.02           | 331.93      | 4,226.6               | 1,495.7      | -797.5       | 1,695.0                 | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0                     | 26.02           | 331.93      | 4,316.5               | 1,534.4      | -818.2       | 1,738.9                 | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0                     | 26.02           | 331.93      | 4,406.3               | 1,573.1      | -838.8       | 1,782.8                 | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0                     | 26.02           | 331.93      | 4,496.2               | 1,611.8      | -859.5       | 1,826.7                 | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0                     | 26.02           | 331.93      | 4,586.1               | 1,650.5      | -880.1       | 1,870.5                 | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0                     | 26.02           | 331.93      | 4,675.9               | 1,689.3      | -900.7       | 1,914.4                 | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0                     | 26.02           | 331.93      | 4,765.8               | 1,728.0      | -921.4       | 1,958.3                 | 0.00                    | 0.00                   | 0.00                  |
| 5,300.0                     | 26.02           | 331.93      | 4,855.6               | 1,766.7      | -942.0       | 2,002.1                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Ohio Creek</b>           |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,358.3                     | 26.02           | 331.93      | 4,908.0               | 1,789.2      | -954.0       | 2,027.7                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Drop 2.5° /100'</b>      |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,395.6                     | 26.02           | 331.93      | 4,941.6               | 1,803.7      | -961.8       | 2,044.1                 | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0                     | 25.91           | 331.93      | 4,945.5               | 1,805.4      | -962.7       | 2,046.0                 | 2.50                    | -2.50                  | 0.00                  |
| 5,500.0                     | 23.41           | 331.93      | 5,036.4               | 1,842.2      | -982.3       | 2,087.7                 | 2.50                    | -2.50                  | 0.00                  |
| <b>Williams Fork</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,583.9                     | 21.31           | 331.93      | 5,114.0               | 1,870.4      | -997.3       | 2,119.7                 | 2.50                    | -2.50                  | 0.00                  |
| 5,600.0                     | 20.91           | 331.93      | 5,129.0               | 1,875.5      | -1,000.0     | 2,125.4                 | 2.50                    | -2.50                  | 0.00                  |
| 5,700.0                     | 18.41           | 331.93      | 5,223.1               | 1,905.2      | -1,015.9     | 2,159.1                 | 2.50                    | -2.50                  | 0.00                  |
| 5,800.0                     | 15.91           | 331.93      | 5,318.7               | 1,931.2      | -1,029.8     | 2,188.6                 | 2.50                    | -2.50                  | 0.00                  |
| 5,900.0                     | 13.41           | 331.93      | 5,415.4               | 1,953.5      | -1,041.7     | 2,213.9                 | 2.50                    | -2.50                  | 0.00                  |
| 6,000.0                     | 10.91           | 331.93      | 5,513.2               | 1,972.1      | -1,051.6     | 2,235.0                 | 2.50                    | -2.50                  | 0.00                  |
| 6,100.0                     | 8.41            | 331.93      | 5,611.7               | 1,986.9      | -1,059.5     | 2,251.8                 | 2.50                    | -2.50                  | 0.00                  |
| 6,200.0                     | 5.91            | 331.93      | 5,711.0               | 1,997.9      | -1,065.3     | 2,264.2                 | 2.50                    | -2.50                  | 0.00                  |
| 6,300.0                     | 3.41            | 331.93      | 5,810.6               | 2,005.1      | -1,069.2     | 2,272.3                 | 2.50                    | -2.50                  | 0.00                  |
| 6,400.0                     | 0.91            | 331.93      | 5,910.5               | 2,008.4      | -1,070.9     | 2,276.1                 | 2.50                    | -2.50                  | 0.00                  |
| <b>EOD @ Vertical - TOG</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,436.5                     | 0.00            | 0.00        | 5,947.0               | 2,008.7      | -1,071.1     | 2,276.4                 | 2.50                    | -2.50                  | 76.97                 |
| 6,500.0                     | 0.00            | 0.00        | 6,010.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0                     | 0.00            | 0.00        | 6,110.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0                     | 0.00            | 0.00        | 6,210.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0                     | 0.00            | 0.00        | 6,310.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0                     | 0.00            | 0.00        | 6,410.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0                     | 0.00            | 0.00        | 6,510.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0                     | 0.00            | 0.00        | 6,610.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0                     | 0.00            | 0.00        | 6,710.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0                     | 0.00            | 0.00        | 6,810.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0                     | 0.00            | 0.00        | 6,910.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0                     | 0.00            | 0.00        | 7,010.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0                     | 0.00            | 0.00        | 7,110.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Cameo</b>                |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,650.5                     | 0.00            | 0.00        | 7,161.0               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0                     | 0.00            | 0.00        | 7,210.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0                     | 0.00            | 0.00        | 7,310.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0                     | 0.00            | 0.00        | 7,410.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0                     | 0.00            | 0.00        | 7,510.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0                     | 0.00            | 0.00        | 7,610.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Rollins</b>              |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,126.5                     | 0.00            | 0.00        | 7,637.0               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0                     | 0.00            | 0.00        | 7,710.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0                     | 0.00            | 0.00        | 7,810.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |



|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Currier 0993-16-01W - Slot A-22 |
| <b>Company:</b>  | Laramie Energy, LLC       | <b>TVD Reference:</b>               | RKB=30' @ 7487.0usft (TBD)           |
| <b>Project:</b>  | Mesa County, CO           | <b>MD Reference:</b>                | RKB=30' @ 7487.0usft (TBD)           |
| <b>Site:</b>     | Currier 0993-16-07 Pad    | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | Currier 0993-16-01W       | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <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) |  |
| 8,400.0                              | 0.00            | 0.00        | 7,910.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,500.0                              | 0.00            | 0.00        | 8,010.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,600.0                              | 0.00            | 0.00        | 8,110.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Cozzette</b>                      |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 8,663.5                              | 0.00            | 0.00        | 8,174.0               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,700.0                              | 0.00            | 0.00        | 8,210.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,800.0                              | 0.00            | 0.00        | 8,310.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Corcoran</b>                      |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 8,837.5                              | 0.00            | 0.00        | 8,348.0               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 8,900.0                              | 0.00            | 0.00        | 8,410.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 9,000.0                              | 0.00            | 0.00        | 8,510.5               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>TD @ 9047.5' MD / 8558.0' TVD</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 9,047.5                              | 0.00            | 0.00        | 8,558.0               | 2,008.7      | -1,071.1     | 2,276.4                 | 0.00                    | 0.00                   | 0.00                  |  |

| Design Targets  |               |              |            |              |              |                 |                |           |             |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| Target Name   | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |
| PBHL - Currier 16-01W<br>- hit/miss target<br>- Shape<br>- Circle (radius 50.0) | 0.00          | 0.00         | 8,558.0    | 2,008.7      | -1,071.1     | 1,536,275.23    | 2,355,537.38   | 39.283637 | -107.777074 |

| Casing Points         |                       |        |                     |                   |  |
|-----------------------|-----------------------|--------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name   | Casing Diameter (") | Hole Diameter (") |  |
| 1,500.0               | 1,440.9               | 8 5/8" | 8-5/8               | 11                |  |

| Formations            |                       |                  |           |         |                   |  |
|-----------------------|-----------------------|------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name             | Lithology | Dip (°) | Dip Direction (°) |  |
| 2,963.5               | 2,756.0               | Wasatch 'G' Sand |           |         |                   |  |
| 3,463.2               | 3,205.0               | Fort Union       |           |         |                   |  |
| 4,550.4               | 4,182.0               | Lower Wasatch    |           |         |                   |  |
| 5,358.3               | 4,908.0               | Ohio Creek       |           |         |                   |  |
| 5,583.9               | 5,114.0               | Williams Fork    |           |         |                   |  |
| 6,436.5               | 5,947.0               | TOG              |           |         |                   |  |
| 7,650.5               | 7,161.0               | Cameo            |           |         |                   |  |
| 8,126.5               | 7,637.0               | Rollins          |           |         |                   |  |
| 8,663.5               | 8,174.0               | Cozzette         |           |         |                   |  |
| 8,837.5               | 8,348.0               | Corcoran         |           |         |                   |  |



|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Currier 0993-16-01W - Slot A-22 |
| <b>Company:</b>  | Laramie Energy, LLC       | <b>TVD Reference:</b>               | RKB=30' @ 7487.0usft (TBD)           |
| <b>Project:</b>  | Mesa County, CO           | <b>MD Reference:</b>                | RKB=30' @ 7487.0usft (TBD)           |
| <b>Site:</b>     | Currier 0993-16-07 Pad    | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | Currier 0993-16-01W       | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Design #1                 |                                     |                                      |

**Plan Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                         |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                 |
| 225.0                 | 225.0                 | 0.0               | 0.0          | KOP (Build 2.5° / 100)          |
| 1,265.9               | 1,230.4               | 205.0             | -109.3       | EOB @ 26.02° Inc. / 331.93° Azm |
| 5,395.6               | 4,941.6               | 1,803.7           | -961.8       | Drop 2.5° /100'                 |
| 6,436.5               | 5,947.0               | 2,008.7           | -1,071.1     | EOD @ Vertical                  |
| 9,047.5               | 8,558.0               | 2,008.7           | -1,071.1     | TD @ 9047.5' MD / 8558.0' TVD   |