



Well: Apache 8-06-4L  
 Site: Section 04-T04N-R63W  
 Project: Weld County, Colorado  
 Wellbore: Original Hole  
 Design: plan1

#### Section Details

| Sec | MD       | Inc   | Azi    | TVD     | +N/-S     | +E/-W    | Dleg  | VSect    | Annotation                      |
|-----|----------|-------|--------|---------|-----------|----------|-------|----------|---------------------------------|
| 1   | 0.00     | 0.00  | 0.00   | 0.00    | 0.00      | 0.00     | 0.00  | 0.00     |                                 |
| 2   | 3000.00  | 0.00  | 0.00   | 3000.00 | 0.00      | 0.00     | 0.00  | 0.00     | KOP Begin 3°/100' build         |
| 3   | 5132.90  | 63.99 | 258.55 | 4716.38 | -212.84   | -1050.91 | 3.00  | 619.87   | Begin 63.99° tangent section    |
| 4   | 9090.36  | 63.99 | 258.55 | 6452.02 | -918.81   | -4536.68 | 0.00  | 2675.93  | Begin 10°/100' build/turn       |
| 5   | 9888.03  | 90.00 | 179.95 | 6662.00 | -1483.01  | -4958.00 | 10.00 | 3362.36  | LP Begin 90° lateral            |
| 6   | 19591.79 | 90.00 | 179.95 | 6662.00 | -11186.77 | -4949.86 | 0.00  | 12232.94 | PBHL/TD 19591.79 MD 6662.00 TVD |

#### DESIGN TARGET DETAILS

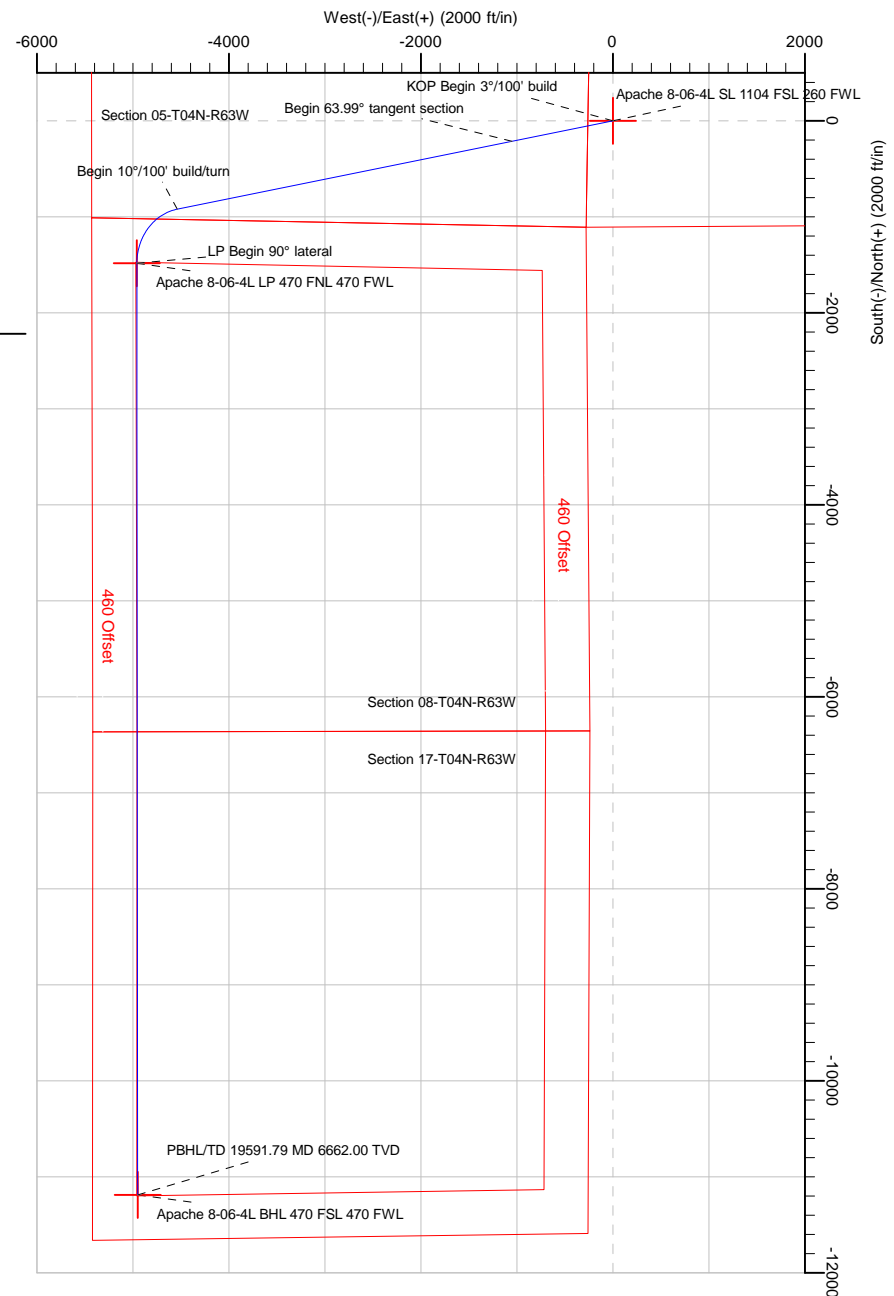
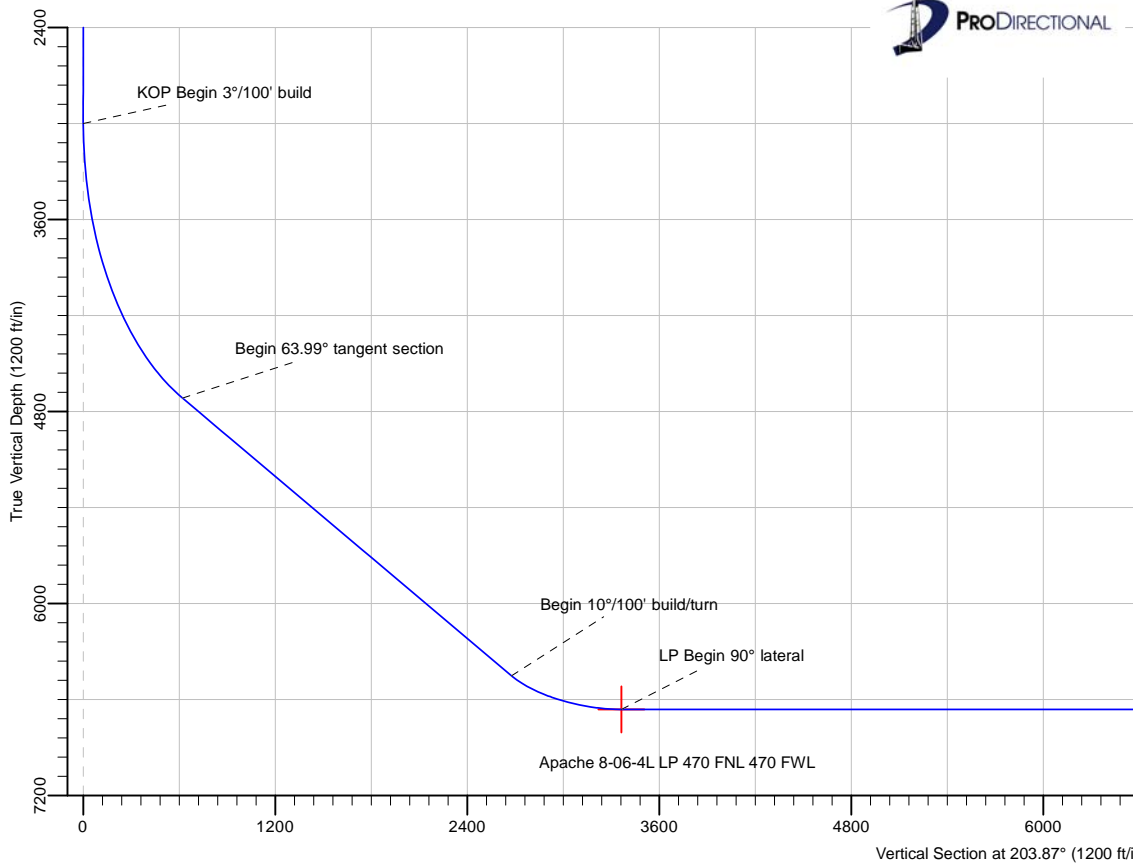
| Name                               | TVD     | +N/-S     | +E/-W    | Northings   | Easting    | Latitude    | Longitude     |
|------------------------------------|---------|-----------|----------|-------------|------------|-------------|---------------|
| Apache 8-06-4L SL 1104 FSL 260 FWL | 24.00   | 0.00      | 0.00     | 14649857.20 | 1793239.82 | 40.33681168 | -104.45159979 |
| Apache 8-06-4L BHL 470 FSL 470 FWL | 6662.00 | -11186.77 | -4949.86 | 14638640.00 | 1788359.38 | 40.30609182 | -104.46935357 |
| Apache 8-06-4L LP 470 FNL 470 FWL  | 6662.00 | -1483.01  | -4958.00 | 14648343.50 | 1788291.11 | 40.33273801 | -104.46938987 |



Azimuths to True North  
 Magnetic North: 8.08°

Magnetic Field  
 Strength: 52229.9snT  
 Dip Angle: 66.90°  
 Date: 5/25/2018  
 Model: HDGM

|   |            |             |               |
|---|------------|-------------|---------------|
| Apache 8-06-4L<br>Surf loc: 1104 FSL 260 FWL Section 04-T04N-R63W   |            |             |               |
| NAD83 Colorado - HARN<br>Universal Transverse Mercator (US Survey Feet)<br>Zone 13N (108 W to 102 W)<br>RKB=4660+24 @ 4684.00ft |            |             |               |
| Northings   | Easting    | Latitude    | Longitude     |
| 14649857.20   | 1793239.82 | 40.33681168 | -104.45159979 |



PBHL/TD 19591.79 MD 6662.00 TVD  
 Apache 8-06-4L BHL 470 FSL 470 FWL

Note: All lease lines and hard lines are estimates only and are subject to customers approval.

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

|                    |  |                      |                |
|--------------------|--|----------------------|----------------|
| <b>Project</b>     | Weld County, Colorado                          |                      |                |
| <b>Map System:</b> | Universal Transverse Mercator (US Survey Feet) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD83 Colorado - HARN                          |                      |                |
| <b>Map Zone:</b>   | Zone 13N (108 W to 102 W)                      |                      |                |

|                       |         |                      |                    |                   |               |
|-----------------------|---------|----------------------|--------------------|-------------------|---------------|
| Site                  |         | Section 04-T04N-R63W |                    |                   |               |
| Site Position:        |         | Northing:            | 14,650,073.90 usft | Latitude:         | 40.33740565   |
| From:                 | Map     | Easting:             | 1,793,302.13 usft  | Longitude:        | -104.45137138 |
| Position Uncertainty: | 0.00 ft | Slot Radius:         | 13-3/16 "          | Grid Convergence: | 0.36 °        |

|                      |   |            |                     |                    |               |               |
|----------------------|---|------------|---------------------|--------------------|---------------|---------------|
| Well                 | Apache 8-06-4L, Surf loc: 1104 FSL 260 FWL Section 04-T04N-R63W |            |                     |                    |               |               |
| Well Position        | +N/-S   | -216.31 ft | Northing:           | 14,649,857.20 usft | Latitude:     | 40.33681167   |
|                      | +E/-W   | -63.65 ft  | Easting:            | 1,793,239.82 usft  | Longitude:    | -104.45159979 |
| Position Uncertainty |   | 0.00 ft    | Wellhead Elevation: |                    | Ground Level: | 4,660.00 ft   |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HDGM              | 5/25/2018          | 8.08                   | 66.90                | 52,229.90000000            |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | plan1                        |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.00                         | 0.00              | 0.00                 | 203.87               |

|                                 |                      |                          |                       |                |
|---------------------------------|----------------------|--------------------------|-----------------------|----------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>          | 5/25/2018                |                       |                |
| <b>Depth From (ft)</b>          | <b>Depth To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>      | <b>Remarks</b> |
| 1                               | 0.00                 | 19,591.79                | plan1 (Original Hole) |                |

|                            |                        |                    |                            |                   |                   |                              |                             |                            |                |                      |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|----------------|----------------------|
| <b>Plan Sections</b>       |                        |                    |                            |                   |                   |                              |                             |                            |                |                      |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> | <b>TFO (°)</b> | <b>Target</b>        |
| 0.00                       | 0.00                   | 0.00               | 0.00                       | 0.00              | 0.00              | 0.00                         | 0.00                        | 0.00                       | 0.00           |                      |
| 3,000.00                   | 0.00                   | 0.00               | 3,000.00                   | 0.00              | 0.00              | 0.00                         | 0.00                        | 0.00                       | 0.00           |                      |
| 5,132.90                   | 63.99                  | 258.55             | 4,716.38                   | -212.84           | -1,050.91         | 3.00                         | 3.00                        | 0.00                       | 258.55         |                      |
| 9,090.36                   | 63.99                  | 258.55             | 6,452.02                   | -918.81           | -4,536.68         | 0.00                         | 0.00                        | 0.00                       | 0.00           |                      |
| 9,888.03                   | 90.00                  | 179.95             | 6,662.00                   | -1,483.01         | -4,958.00         | 10.00                        | 3.26                        | -9.85                      | -84.95         | Apache 8-06-4L LP 4" |
| 19,591.79                  | 90.00                  | 179.95             | 6,662.00                   | -11,186.77        | -4,949.86         | 0.00                         | 0.00                        | 0.00                       | 0.00           | Apache 8-06-4L BHL   |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Planned Survey                 |                 |             |                     |            |            |                       |                       |                      |                     |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)            | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.00                           | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 100.00                         | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 200.00                         | 0.00            | 0.00        | 200.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 300.00                         | 0.00            | 0.00        | 300.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 400.00                         | 0.00            | 0.00        | 400.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 500.00                         | 0.00            | 0.00        | 500.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 600.00                         | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 700.00                         | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 800.00                         | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 900.00                         | 0.00            | 0.00        | 900.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,000.00                       | 0.00            | 0.00        | 1,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,100.00                       | 0.00            | 0.00        | 1,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,200.00                       | 0.00            | 0.00        | 1,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,300.00                       | 0.00            | 0.00        | 1,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,400.00                       | 0.00            | 0.00        | 1,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,500.00                       | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,600.00                       | 0.00            | 0.00        | 1,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,700.00                       | 0.00            | 0.00        | 1,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,800.00                       | 0.00            | 0.00        | 1,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,900.00                       | 0.00            | 0.00        | 1,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,000.00                       | 0.00            | 0.00        | 2,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,100.00                       | 0.00            | 0.00        | 2,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,200.00                       | 0.00            | 0.00        | 2,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,300.00                       | 0.00            | 0.00        | 2,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,400.00                       | 0.00            | 0.00        | 2,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,500.00                       | 0.00            | 0.00        | 2,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,600.00                       | 0.00            | 0.00        | 2,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,700.00                       | 0.00            | 0.00        | 2,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,800.00                       | 0.00            | 0.00        | 2,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,900.00                       | 0.00            | 0.00        | 2,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,000.00                       | 0.00            | 0.00        | 3,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| <b>KOP Begin 3°/100' build</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 3,100.00                       | 3.00            | 258.55      | 3,099.95            | -0.52      | -2.57      | 1.51                  | 3.00                  | 3.00                 | 0.00                |
| 3,200.00                       | 6.00            | 258.55      | 3,199.63            | -2.08      | -10.25     | 6.05                  | 3.00                  | 3.00                 | 0.00                |
| 3,300.00                       | 9.00            | 258.55      | 3,298.77            | -4.67      | -23.05     | 13.59                 | 3.00                  | 3.00                 | 0.00                |
| 3,400.00                       | 12.00           | 258.55      | 3,397.08            | -8.28      | -40.90     | 24.13                 | 3.00                  | 3.00                 | 0.00                |
| 3,500.00                       | 15.00           | 258.55      | 3,494.31            | -12.92     | -63.78     | 37.62                 | 3.00                  | 3.00                 | 0.00                |
| 3,600.00                       | 18.00           | 258.55      | 3,590.18            | -18.55     | -91.62     | 54.04                 | 3.00                  | 3.00                 | 0.00                |
| 3,700.00                       | 21.00           | 258.55      | 3,684.43            | -25.18     | -124.33    | 73.33                 | 3.00                  | 3.00                 | 0.00                |
| 3,800.00                       | 24.00           | 258.55      | 3,776.81            | -32.78     | -161.83    | 95.45                 | 3.00                  | 3.00                 | 0.00                |
| 3,900.00                       | 27.00           | 258.55      | 3,867.06            | -41.32     | -204.02    | 120.34                | 3.00                  | 3.00                 | 0.00                |
| 4,000.00                       | 30.00           | 258.55      | 3,954.93            | -50.79     | -250.78    | 147.92                | 3.00                  | 3.00                 | 0.00                |
| 4,100.00                       | 33.00           | 258.55      | 4,040.18            | -61.16     | -301.99    | 178.12                | 3.00                  | 3.00                 | 0.00                |
| 4,200.00                       | 36.00           | 258.55      | 4,122.59            | -72.40     | -357.49    | 210.86                | 3.00                  | 3.00                 | 0.00                |
| 4,300.00                       | 39.00           | 258.55      | 4,201.91            | -84.49     | -417.15    | 246.05                | 3.00                  | 3.00                 | 0.00                |
| 4,400.00                       | 42.00           | 258.55      | 4,277.95            | -97.38     | -480.80    | 283.59                | 3.00                  | 3.00                 | 0.00                |
| 4,500.00                       | 45.00           | 258.55      | 4,350.47            | -111.04    | -548.25    | 323.38                | 3.00                  | 3.00                 | 0.00                |
| 4,600.00                       | 48.00           | 258.55      | 4,419.30            | -125.43    | -619.34    | 365.31                | 3.00                  | 3.00                 | 0.00                |
| 4,700.00                       | 51.00           | 258.55      | 4,484.24            | -140.53    | -693.86    | 409.27                | 3.00                  | 3.00                 | 0.00                |
| 4,800.00                       | 54.00           | 258.55      | 4,545.11            | -156.27    | -771.61    | 455.13                | 3.00                  | 3.00                 | 0.00                |
| 4,900.00                       | 57.00           | 258.55      | 4,601.74            | -172.63    | -852.37    | 502.76                | 3.00                  | 3.00                 | 0.00                |
| 5,000.00                       | 60.00           | 258.55      | 4,653.99            | -189.55    | -935.93    | 552.05                | 3.00                  | 3.00                 | 0.00                |
| 5,100.00                       | 63.00           | 258.55      | 4,701.70            | -207.00    | -1,022.05  | 602.85                | 3.00                  | 3.00                 | 0.00                |
| 5,132.90                       | 63.99           | 258.55      | 4,716.38            | -212.84    | -1,050.91  | 619.87                | 3.00                  | 3.00                 | 0.00                |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Planned Survey                      |                 |             |                     |            |            |                       |                       |                      |                     |
|-------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)                 | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| <b>Begin 63.99° tangent section</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 5,200.00                            | 63.99           | 258.55      | 4,745.81            | -224.81    | -1,110.01  | 654.73                | 0.00                  | 0.00                 | 0.00                |
| 5,300.00                            | 63.99           | 258.55      | 4,789.67            | -242.65    | -1,198.09  | 706.68                | 0.00                  | 0.00                 | 0.00                |
| 5,400.00                            | 63.99           | 258.55      | 4,833.52            | -260.49    | -1,286.17  | 758.64                | 0.00                  | 0.00                 | 0.00                |
| 5,500.00                            | 63.99           | 258.55      | 4,877.38            | -278.33    | -1,374.25  | 810.59                | 0.00                  | 0.00                 | 0.00                |
| 5,600.00                            | 63.99           | 258.55      | 4,921.24            | -296.17    | -1,462.33  | 862.55                | 0.00                  | 0.00                 | 0.00                |
| 5,700.00                            | 63.99           | 258.55      | 4,965.10            | -314.01    | -1,550.41  | 914.50                | 0.00                  | 0.00                 | 0.00                |
| 5,800.00                            | 63.99           | 258.55      | 5,008.95            | -331.84    | -1,638.50  | 966.45                | 0.00                  | 0.00                 | 0.00                |
| 5,900.00                            | 63.99           | 258.55      | 5,052.81            | -349.68    | -1,726.58  | 1,018.41              | 0.00                  | 0.00                 | 0.00                |
| 6,000.00                            | 63.99           | 258.55      | 5,096.67            | -367.52    | -1,814.66  | 1,070.36              | 0.00                  | 0.00                 | 0.00                |
| 6,100.00                            | 63.99           | 258.55      | 5,140.52            | -385.36    | -1,902.74  | 1,122.32              | 0.00                  | 0.00                 | 0.00                |
| 6,200.00                            | 63.99           | 258.55      | 5,184.38            | -403.20    | -1,990.82  | 1,174.27              | 0.00                  | 0.00                 | 0.00                |
| 6,300.00                            | 63.99           | 258.55      | 5,228.24            | -421.04    | -2,078.90  | 1,226.23              | 0.00                  | 0.00                 | 0.00                |
| 6,400.00                            | 63.99           | 258.55      | 5,272.10            | -438.88    | -2,166.98  | 1,278.18              | 0.00                  | 0.00                 | 0.00                |
| 6,500.00                            | 63.99           | 258.55      | 5,315.95            | -456.72    | -2,255.06  | 1,330.13              | 0.00                  | 0.00                 | 0.00                |
| 6,600.00                            | 63.99           | 258.55      | 5,359.81            | -474.56    | -2,343.15  | 1,382.09              | 0.00                  | 0.00                 | 0.00                |
| 6,700.00                            | 63.99           | 258.55      | 5,403.67            | -492.40    | -2,431.23  | 1,434.04              | 0.00                  | 0.00                 | 0.00                |
| 6,800.00                            | 63.99           | 258.55      | 5,447.53            | -510.24    | -2,519.31  | 1,486.00              | 0.00                  | 0.00                 | 0.00                |
| 6,900.00                            | 63.99           | 258.55      | 5,491.38            | -528.07    | -2,607.39  | 1,537.95              | 0.00                  | 0.00                 | 0.00                |
| 7,000.00                            | 63.99           | 258.55      | 5,535.24            | -545.91    | -2,695.47  | 1,589.90              | 0.00                  | 0.00                 | 0.00                |
| 7,100.00                            | 63.99           | 258.55      | 5,579.10            | -563.75    | -2,783.55  | 1,641.86              | 0.00                  | 0.00                 | 0.00                |
| 7,200.00                            | 63.99           | 258.55      | 5,622.96            | -581.59    | -2,871.63  | 1,693.81              | 0.00                  | 0.00                 | 0.00                |
| 7,300.00                            | 63.99           | 258.55      | 5,666.81            | -599.43    | -2,959.71  | 1,745.77              | 0.00                  | 0.00                 | 0.00                |
| 7,400.00                            | 63.99           | 258.55      | 5,710.67            | -617.27    | -3,047.80  | 1,797.72              | 0.00                  | 0.00                 | 0.00                |
| 7,500.00                            | 63.99           | 258.55      | 5,754.53            | -635.11    | -3,135.88  | 1,849.67              | 0.00                  | 0.00                 | 0.00                |
| 7,600.00                            | 63.99           | 258.55      | 5,798.38            | -652.95    | -3,223.96  | 1,901.63              | 0.00                  | 0.00                 | 0.00                |
| 7,700.00                            | 63.99           | 258.55      | 5,842.24            | -670.79    | -3,312.04  | 1,953.58              | 0.00                  | 0.00                 | 0.00                |
| 7,800.00                            | 63.99           | 258.55      | 5,886.10            | -688.63    | -3,400.12  | 2,005.54              | 0.00                  | 0.00                 | 0.00                |
| 7,900.00                            | 63.99           | 258.55      | 5,929.96            | -706.47    | -3,488.20  | 2,057.49              | 0.00                  | 0.00                 | 0.00                |
| 8,000.00                            | 63.99           | 258.55      | 5,973.81            | -724.30    | -3,576.28  | 2,109.44              | 0.00                  | 0.00                 | 0.00                |
| 8,100.00                            | 63.99           | 258.55      | 6,017.67            | -742.14    | -3,664.36  | 2,161.40              | 0.00                  | 0.00                 | 0.00                |
| 8,200.00                            | 63.99           | 258.55      | 6,061.53            | -759.98    | -3,752.44  | 2,213.35              | 0.00                  | 0.00                 | 0.00                |
| 8,300.00                            | 63.99           | 258.55      | 6,105.39            | -777.82    | -3,840.53  | 2,265.31              | 0.00                  | 0.00                 | 0.00                |
| 8,400.00                            | 63.99           | 258.55      | 6,149.24            | -795.66    | -3,928.61  | 2,317.26              | 0.00                  | 0.00                 | 0.00                |
| 8,500.00                            | 63.99           | 258.55      | 6,193.10            | -813.50    | -4,016.69  | 2,369.21              | 0.00                  | 0.00                 | 0.00                |
| 8,600.00                            | 63.99           | 258.55      | 6,236.96            | -831.34    | -4,104.77  | 2,421.17              | 0.00                  | 0.00                 | 0.00                |
| 8,700.00                            | 63.99           | 258.55      | 6,280.82            | -849.18    | -4,192.85  | 2,473.12              | 0.00                  | 0.00                 | 0.00                |
| 8,800.00                            | 63.99           | 258.55      | 6,324.67            | -867.02    | -4,280.93  | 2,525.08              | 0.00                  | 0.00                 | 0.00                |
| 8,900.00                            | 63.99           | 258.55      | 6,368.53            | -884.86    | -4,369.01  | 2,577.03              | 0.00                  | 0.00                 | 0.00                |
| 9,000.00                            | 63.99           | 258.55      | 6,412.39            | -902.70    | -4,457.09  | 2,628.99              | 0.00                  | 0.00                 | 0.00                |
| 9,090.36                            | 63.99           | 258.55      | 6,452.02            | -918.81    | -4,536.68  | 2,675.93              | 0.00                  | 0.00                 | 0.00                |
| <b>Begin 10°/100' build/turn</b>    |                 |             |                     |            |            |                       |                       |                      |                     |
| 9,100.00                            | 64.08           | 257.48      | 6,456.24            | -920.61    | -4,545.16  | 2,681.01              | 10.00                 | 0.92                 | -11.08              |
| 9,200.00                            | 65.45           | 246.53      | 6,498.98            | -948.55    | -4,631.00  | 2,741.28              | 10.00                 | 1.37                 | -10.95              |
| 9,300.00                            | 67.59           | 235.88      | 6,538.92            | -992.70    | -4,711.18  | 2,814.11              | 10.00                 | 2.14                 | -10.65              |
| 9,400.00                            | 70.41           | 225.59      | 6,574.84            | -1,051.74  | -4,783.28  | 2,897.27              | 10.00                 | 2.82                 | -10.28              |
| 9,500.00                            | 73.78           | 215.70      | 6,605.65            | -1,123.88  | -4,845.11  | 2,988.25              | 10.00                 | 3.38                 | -9.89               |
| 9,600.00                            | 77.60           | 206.16      | 6,630.41            | -1,206.91  | -4,894.78  | 3,084.28              | 10.00                 | 3.82                 | -9.54               |
| 9,700.00                            | 81.74           | 196.90      | 6,648.37            | -1,298.32  | -4,930.79  | 3,182.44              | 10.00                 | 4.14                 | -9.26               |
| 9,800.00                            | 86.09           | 187.84      | 6,658.99            | -1,395.32  | -4,952.04  | 3,279.75              | 10.00                 | 4.35                 | -9.06               |
| 9,888.03                            | 90.00           | 179.95      | 6,662.00            | -1,483.01  | -4,958.00  | 3,362.36              | 10.00                 | 4.44                 | -8.97               |
| <b>LP Begin 90° lateral</b>         |                 |             |                     |            |            |                       |                       |                      |                     |
| 9,900.00                            | 90.00           | 179.95      | 6,662.00            | -1,494.98  | -4,957.99  | 3,373.30              | 0.00                  | 0.00                 | 0.00                |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                     |  |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 10,000.00           | 90.00           | 179.95      | 6,662.00            | -1,594.98  | -4,957.91  | 3,464.71              | 0.00                  | 0.00                 | 0.00                |  |
| 10,100.00           | 90.00           | 179.95      | 6,662.00            | -1,694.98  | -4,957.83  | 3,556.13              | 0.00                  | 0.00                 | 0.00                |  |
| 10,200.00           | 90.00           | 179.95      | 6,662.00            | -1,794.98  | -4,957.74  | 3,647.54              | 0.00                  | 0.00                 | 0.00                |  |
| 10,300.00           | 90.00           | 179.95      | 6,662.00            | -1,894.98  | -4,957.66  | 3,738.96              | 0.00                  | 0.00                 | 0.00                |  |
| 10,400.00           | 90.00           | 179.95      | 6,662.00            | -1,994.98  | -4,957.57  | 3,830.37              | 0.00                  | 0.00                 | 0.00                |  |
| 10,500.00           | 90.00           | 179.95      | 6,662.00            | -2,094.98  | -4,957.49  | 3,921.78              | 0.00                  | 0.00                 | 0.00                |  |
| 10,600.00           | 90.00           | 179.95      | 6,662.00            | -2,194.98  | -4,957.41  | 4,013.20              | 0.00                  | 0.00                 | 0.00                |  |
| 10,700.00           | 90.00           | 179.95      | 6,662.00            | -2,294.98  | -4,957.32  | 4,104.61              | 0.00                  | 0.00                 | 0.00                |  |
| 10,800.00           | 90.00           | 179.95      | 6,662.00            | -2,394.98  | -4,957.24  | 4,196.03              | 0.00                  | 0.00                 | 0.00                |  |
| 10,900.00           | 90.00           | 179.95      | 6,662.00            | -2,494.98  | -4,957.15  | 4,287.44              | 0.00                  | 0.00                 | 0.00                |  |
| 11,000.00           | 90.00           | 179.95      | 6,662.00            | -2,594.98  | -4,957.07  | 4,378.85              | 0.00                  | 0.00                 | 0.00                |  |
| 11,100.00           | 90.00           | 179.95      | 6,662.00            | -2,694.98  | -4,956.99  | 4,470.27              | 0.00                  | 0.00                 | 0.00                |  |
| 11,200.00           | 90.00           | 179.95      | 6,662.00            | -2,794.98  | -4,956.90  | 4,561.68              | 0.00                  | 0.00                 | 0.00                |  |
| 11,300.00           | 90.00           | 179.95      | 6,662.00            | -2,894.98  | -4,956.82  | 4,653.09              | 0.00                  | 0.00                 | 0.00                |  |
| 11,400.00           | 90.00           | 179.95      | 6,662.00            | -2,994.98  | -4,956.73  | 4,744.51              | 0.00                  | 0.00                 | 0.00                |  |
| 11,500.00           | 90.00           | 179.95      | 6,662.00            | -3,094.98  | -4,956.65  | 4,835.92              | 0.00                  | 0.00                 | 0.00                |  |
| 11,600.00           | 90.00           | 179.95      | 6,662.00            | -3,194.98  | -4,956.57  | 4,927.34              | 0.00                  | 0.00                 | 0.00                |  |
| 11,700.00           | 90.00           | 179.95      | 6,662.00            | -3,294.98  | -4,956.48  | 5,018.75              | 0.00                  | 0.00                 | 0.00                |  |
| 11,800.00           | 90.00           | 179.95      | 6,662.00            | -3,394.98  | -4,956.40  | 5,110.16              | 0.00                  | 0.00                 | 0.00                |  |
| 11,900.00           | 90.00           | 179.95      | 6,662.00            | -3,494.98  | -4,956.31  | 5,201.58              | 0.00                  | 0.00                 | 0.00                |  |
| 12,000.00           | 90.00           | 179.95      | 6,662.00            | -3,594.98  | -4,956.23  | 5,292.99              | 0.00                  | 0.00                 | 0.00                |  |
| 12,100.00           | 90.00           | 179.95      | 6,662.00            | -3,694.98  | -4,956.15  | 5,384.41              | 0.00                  | 0.00                 | 0.00                |  |
| 12,200.00           | 90.00           | 179.95      | 6,662.00            | -3,794.98  | -4,956.06  | 5,475.82              | 0.00                  | 0.00                 | 0.00                |  |
| 12,300.00           | 90.00           | 179.95      | 6,662.00            | -3,894.98  | -4,955.98  | 5,567.23              | 0.00                  | 0.00                 | 0.00                |  |
| 12,400.00           | 90.00           | 179.95      | 6,662.00            | -3,994.98  | -4,955.89  | 5,658.65              | 0.00                  | 0.00                 | 0.00                |  |
| 12,500.00           | 90.00           | 179.95      | 6,662.00            | -4,094.98  | -4,955.81  | 5,750.06              | 0.00                  | 0.00                 | 0.00                |  |
| 12,600.00           | 90.00           | 179.95      | 6,662.00            | -4,194.98  | -4,955.73  | 5,841.48              | 0.00                  | 0.00                 | 0.00                |  |
| 12,700.00           | 90.00           | 179.95      | 6,662.00            | -4,294.98  | -4,955.64  | 5,932.89              | 0.00                  | 0.00                 | 0.00                |  |
| 12,800.00           | 90.00           | 179.95      | 6,662.00            | -4,394.98  | -4,955.56  | 6,024.30              | 0.00                  | 0.00                 | 0.00                |  |
| 12,900.00           | 90.00           | 179.95      | 6,662.00            | -4,494.98  | -4,955.47  | 6,115.72              | 0.00                  | 0.00                 | 0.00                |  |
| 13,000.00           | 90.00           | 179.95      | 6,662.00            | -4,594.98  | -4,955.39  | 6,207.13              | 0.00                  | 0.00                 | 0.00                |  |
| 13,100.00           | 90.00           | 179.95      | 6,662.00            | -4,694.98  | -4,955.31  | 6,298.54              | 0.00                  | 0.00                 | 0.00                |  |
| 13,200.00           | 90.00           | 179.95      | 6,662.00            | -4,794.98  | -4,955.22  | 6,389.96              | 0.00                  | 0.00                 | 0.00                |  |
| 13,300.00           | 90.00           | 179.95      | 6,662.00            | -4,894.98  | -4,955.14  | 6,481.37              | 0.00                  | 0.00                 | 0.00                |  |
| 13,400.00           | 90.00           | 179.95      | 6,662.00            | -4,994.98  | -4,955.05  | 6,572.79              | 0.00                  | 0.00                 | 0.00                |  |
| 13,500.00           | 90.00           | 179.95      | 6,662.00            | -5,094.98  | -4,954.97  | 6,664.20              | 0.00                  | 0.00                 | 0.00                |  |
| 13,600.00           | 90.00           | 179.95      | 6,662.00            | -5,194.98  | -4,954.89  | 6,755.61              | 0.00                  | 0.00                 | 0.00                |  |
| 13,700.00           | 90.00           | 179.95      | 6,662.00            | -5,294.98  | -4,954.80  | 6,847.03              | 0.00                  | 0.00                 | 0.00                |  |
| 13,800.00           | 90.00           | 179.95      | 6,662.00            | -5,394.98  | -4,954.72  | 6,938.44              | 0.00                  | 0.00                 | 0.00                |  |
| 13,900.00           | 90.00           | 179.95      | 6,662.00            | -5,494.98  | -4,954.63  | 7,029.86              | 0.00                  | 0.00                 | 0.00                |  |
| 14,000.00           | 90.00           | 179.95      | 6,662.00            | -5,594.98  | -4,954.55  | 7,121.27              | 0.00                  | 0.00                 | 0.00                |  |
| 14,100.00           | 90.00           | 179.95      | 6,662.00            | -5,694.98  | -4,954.47  | 7,212.68              | 0.00                  | 0.00                 | 0.00                |  |
| 14,200.00           | 90.00           | 179.95      | 6,662.00            | -5,794.98  | -4,954.38  | 7,304.10              | 0.00                  | 0.00                 | 0.00                |  |
| 14,300.00           | 90.00           | 179.95      | 6,662.00            | -5,894.98  | -4,954.30  | 7,395.51              | 0.00                  | 0.00                 | 0.00                |  |
| 14,400.00           | 90.00           | 179.95      | 6,662.00            | -5,994.98  | -4,954.22  | 7,486.93              | 0.00                  | 0.00                 | 0.00                |  |
| 14,500.00           | 90.00           | 179.95      | 6,662.00            | -6,094.98  | -4,954.13  | 7,578.34              | 0.00                  | 0.00                 | 0.00                |  |
| 14,600.00           | 90.00           | 179.95      | 6,662.00            | -6,194.98  | -4,954.05  | 7,669.75              | 0.00                  | 0.00                 | 0.00                |  |
| 14,700.00           | 90.00           | 179.95      | 6,662.00            | -6,294.98  | -4,953.96  | 7,761.17              | 0.00                  | 0.00                 | 0.00                |  |
| 14,800.00           | 90.00           | 179.95      | 6,662.00            | -6,394.98  | -4,953.88  | 7,852.58              | 0.00                  | 0.00                 | 0.00                |  |
| 14,900.00           | 90.00           | 179.95      | 6,662.00            | -6,494.98  | -4,953.80  | 7,943.99              | 0.00                  | 0.00                 | 0.00                |  |
| 15,000.00           | 90.00           | 179.95      | 6,662.00            | -6,594.98  | -4,953.71  | 8,035.41              | 0.00                  | 0.00                 | 0.00                |  |
| 15,100.00           | 90.00           | 179.95      | 6,662.00            | -6,694.98  | -4,953.63  | 8,126.82              | 0.00                  | 0.00                 | 0.00                |  |
| 15,200.00           | 90.00           | 179.95      | 6,662.00            | -6,794.98  | -4,953.54  | 8,218.24              | 0.00                  | 0.00                 | 0.00                |  |
| 15,300.00           | 90.00           | 179.95      | 6,662.00            | -6,894.98  | -4,953.46  | 8,309.65              | 0.00                  | 0.00                 | 0.00                |  |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Planned Survey                  |                 |             |                     |            |            |                       |                       |                      |                     |  |
|---------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft)             | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 15,400.00                       | 90.00           | 179.95      | 6,662.00            | -6,994.98  | -4,953.38  | 8,401.06              | 0.00                  | 0.00                 | 0.00                |  |
| 15,500.00                       | 90.00           | 179.95      | 6,662.00            | -7,094.98  | -4,953.29  | 8,492.48              | 0.00                  | 0.00                 | 0.00                |  |
| 15,600.00                       | 90.00           | 179.95      | 6,662.00            | -7,194.98  | -4,953.21  | 8,583.89              | 0.00                  | 0.00                 | 0.00                |  |
| 15,700.00                       | 90.00           | 179.95      | 6,662.00            | -7,294.98  | -4,953.12  | 8,675.31              | 0.00                  | 0.00                 | 0.00                |  |
| 15,800.00                       | 90.00           | 179.95      | 6,662.00            | -7,394.98  | -4,953.04  | 8,766.72              | 0.00                  | 0.00                 | 0.00                |  |
| 15,900.00                       | 90.00           | 179.95      | 6,662.00            | -7,494.98  | -4,952.96  | 8,858.13              | 0.00                  | 0.00                 | 0.00                |  |
| 16,000.00                       | 90.00           | 179.95      | 6,662.00            | -7,594.98  | -4,952.87  | 8,949.55              | 0.00                  | 0.00                 | 0.00                |  |
| 16,100.00                       | 90.00           | 179.95      | 6,662.00            | -7,694.98  | -4,952.79  | 9,040.96              | 0.00                  | 0.00                 | 0.00                |  |
| 16,200.00                       | 90.00           | 179.95      | 6,662.00            | -7,794.98  | -4,952.70  | 9,132.38              | 0.00                  | 0.00                 | 0.00                |  |
| 16,300.00                       | 90.00           | 179.95      | 6,662.00            | -7,894.98  | -4,952.62  | 9,223.79              | 0.00                  | 0.00                 | 0.00                |  |
| 16,400.00                       | 90.00           | 179.95      | 6,662.00            | -7,994.98  | -4,952.54  | 9,315.20              | 0.00                  | 0.00                 | 0.00                |  |
| 16,500.00                       | 90.00           | 179.95      | 6,662.00            | -8,094.98  | -4,952.45  | 9,406.62              | 0.00                  | 0.00                 | 0.00                |  |
| 16,600.00                       | 90.00           | 179.95      | 6,662.00            | -8,194.98  | -4,952.37  | 9,498.03              | 0.00                  | 0.00                 | 0.00                |  |
| 16,700.00                       | 90.00           | 179.95      | 6,662.00            | -8,294.98  | -4,952.28  | 9,589.45              | 0.00                  | 0.00                 | 0.00                |  |
| 16,800.00                       | 90.00           | 179.95      | 6,662.00            | -8,394.98  | -4,952.20  | 9,680.86              | 0.00                  | 0.00                 | 0.00                |  |
| 16,900.00                       | 90.00           | 179.95      | 6,662.00            | -8,494.98  | -4,952.12  | 9,772.27              | 0.00                  | 0.00                 | 0.00                |  |
| 17,000.00                       | 90.00           | 179.95      | 6,662.00            | -8,594.98  | -4,952.03  | 9,863.69              | 0.00                  | 0.00                 | 0.00                |  |
| 17,100.00                       | 90.00           | 179.95      | 6,662.00            | -8,694.98  | -4,951.95  | 9,955.10              | 0.00                  | 0.00                 | 0.00                |  |
| 17,200.00                       | 90.00           | 179.95      | 6,662.00            | -8,794.98  | -4,951.86  | 10,046.51             | 0.00                  | 0.00                 | 0.00                |  |
| 17,300.00                       | 90.00           | 179.95      | 6,662.00            | -8,894.98  | -4,951.78  | 10,137.93             | 0.00                  | 0.00                 | 0.00                |  |
| 17,400.00                       | 90.00           | 179.95      | 6,662.00            | -8,994.98  | -4,951.70  | 10,229.34             | 0.00                  | 0.00                 | 0.00                |  |
| 17,500.00                       | 90.00           | 179.95      | 6,662.00            | -9,094.98  | -4,951.61  | 10,320.76             | 0.00                  | 0.00                 | 0.00                |  |
| 17,600.00                       | 90.00           | 179.95      | 6,662.00            | -9,194.98  | -4,951.53  | 10,412.17             | 0.00                  | 0.00                 | 0.00                |  |
| 17,700.00                       | 90.00           | 179.95      | 6,662.00            | -9,294.98  | -4,951.44  | 10,503.58             | 0.00                  | 0.00                 | 0.00                |  |
| 17,800.00                       | 90.00           | 179.95      | 6,662.00            | -9,394.98  | -4,951.36  | 10,595.00             | 0.00                  | 0.00                 | 0.00                |  |
| 17,900.00                       | 90.00           | 179.95      | 6,662.00            | -9,494.98  | -4,951.28  | 10,686.41             | 0.00                  | 0.00                 | 0.00                |  |
| 18,000.00                       | 90.00           | 179.95      | 6,662.00            | -9,594.98  | -4,951.19  | 10,777.83             | 0.00                  | 0.00                 | 0.00                |  |
| 18,100.00                       | 90.00           | 179.95      | 6,662.00            | -9,694.98  | -4,951.11  | 10,869.24             | 0.00                  | 0.00                 | 0.00                |  |
| 18,200.00                       | 90.00           | 179.95      | 6,662.00            | -9,794.98  | -4,951.02  | 10,960.65             | 0.00                  | 0.00                 | 0.00                |  |
| 18,300.00                       | 90.00           | 179.95      | 6,662.00            | -9,894.98  | -4,950.94  | 11,052.07             | 0.00                  | 0.00                 | 0.00                |  |
| 18,400.00                       | 90.00           | 179.95      | 6,662.00            | -9,994.98  | -4,950.86  | 11,143.48             | 0.00                  | 0.00                 | 0.00                |  |
| 18,500.00                       | 90.00           | 179.95      | 6,662.00            | -10,094.98 | -4,950.77  | 11,234.90             | 0.00                  | 0.00                 | 0.00                |  |
| 18,600.00                       | 90.00           | 179.95      | 6,662.00            | -10,194.98 | -4,950.69  | 11,326.31             | 0.00                  | 0.00                 | 0.00                |  |
| 18,700.00                       | 90.00           | 179.95      | 6,662.00            | -10,294.98 | -4,950.60  | 11,417.72             | 0.00                  | 0.00                 | 0.00                |  |
| 18,800.00                       | 90.00           | 179.95      | 6,662.00            | -10,394.98 | -4,950.52  | 11,509.14             | 0.00                  | 0.00                 | 0.00                |  |
| 18,900.00                       | 90.00           | 179.95      | 6,662.00            | -10,494.98 | -4,950.44  | 11,600.55             | 0.00                  | 0.00                 | 0.00                |  |
| 19,000.00                       | 90.00           | 179.95      | 6,662.00            | -10,594.98 | -4,950.35  | 11,691.96             | 0.00                  | 0.00                 | 0.00                |  |
| 19,100.00                       | 90.00           | 179.95      | 6,662.00            | -10,694.98 | -4,950.27  | 11,783.38             | 0.00                  | 0.00                 | 0.00                |  |
| 19,200.00                       | 90.00           | 179.95      | 6,662.00            | -10,794.98 | -4,950.18  | 11,874.79             | 0.00                  | 0.00                 | 0.00                |  |
| 19,300.00                       | 90.00           | 179.95      | 6,662.00            | -10,894.98 | -4,950.10  | 11,966.21             | 0.00                  | 0.00                 | 0.00                |  |
| 19,400.00                       | 90.00           | 179.95      | 6,662.00            | -10,994.98 | -4,950.02  | 12,057.62             | 0.00                  | 0.00                 | 0.00                |  |
| 19,500.00                       | 90.00           | 179.95      | 6,662.00            | -11,094.98 | -4,949.93  | 12,149.03             | 0.00                  | 0.00                 | 0.00                |  |
| 19,591.79                       | 90.00           | 179.95      | 6,662.00            | -11,186.77 | -4,949.86  | 12,232.94             | 0.00                  | 0.00                 | 0.00                |  |
| PBHL/TD 19591.79 MD 6662.00 TVD |                 |             |                     |            |            |                       |                       |                      |                     |  |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Design Targets   |                  |                 |             |               |               |                    |                   |             |               |
|--|------------------|-----------------|-------------|---------------|---------------|--------------------|-------------------|-------------|---------------|
| Target Name<br>- hit/miss target<br>- Shape                    | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Northing<br>(usft) | Easting<br>(usft) | Latitude    | Longitude     |
| Apache 8-06-4L SL 1104<br>- plan hits target center<br>- Point | 0.00             | 0.00            | 24.00       | 0.00          | 0.00          | 14,649,857.20      | 1,793,239.82      | 40.33681167 | -104.45159979 |
| Apache 8-06-4L LP 470<br>- plan hits target center<br>- Point  | 0.00             | 0.00            | 6,662.00    | -1,483.01     | -4,958.00     | 14,648,343.50      | 1,788,291.11      | 40.33273801 | -104.46938988 |
| Apache 8-06-4L BHL 471<br>- plan hits target center<br>- Point | 0.00             | 0.00            | 6,662.00    | -11,186.77    | -4,949.86     | 14,638,640.00      | 1,788,359.38      | 40.30609183 | -104.46935357 |

| Plan Annotations          |                           |                   |               |                                 |
|---------------------------|---------------------------|-------------------|---------------|---------------------------------|
| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Local Coordinates |               | Comment                         |
|                           |                           | +N/-S<br>(ft)     | +E/-W<br>(ft) |                                 |
| 3,000.00                  | 3,000.00                  | 0.00              | 0.00          | KOP Begin 3°/100' build         |
| 5,132.90                  | 4,716.38                  | -212.84           | -1,050.91     | Begin 63.99° tangent section    |
| 9,090.36                  | 6,452.02                  | -918.81           | -4,536.68     | Begin 10°/100' build/turn       |
| 9,888.03                  | 6,662.00                  | -1,483.01         | -4,958.00     | LP Begin 90° lateral            |
| 19,591.79                 | 6,662.00                  | -11,186.77        | -4,949.86     | PBHL/TD 19591.79 MD 6662.00 TVD |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

|                    |  |                      |                |
|--------------------|--|----------------------|----------------|
| <b>Project</b>     | Weld County, Colorado                          |                      |                |
| <b>Map System:</b> | Universal Transverse Mercator (US Survey Feet) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD83 Colorado - HARN                          |                      |                |
| <b>Map Zone:</b>   | Zone 13N (108 W to 102 W)                      |                      |                |

| Site                  |         | Section 04-T04N-R63W |                    |                   |               |
|-----------------------|---------|----------------------|--------------------|-------------------|---------------|
| Site Position:        |         | Northing:            | 14,650,073.90 usft | Latitude:         | 40.33740565   |
| From:                 | Map     | Easting:             | 1,793,302.13 usft  | Longitude:        | -104.45137138 |
| Position Uncertainty: | 0.00 ft | Slot Radius:         | 13-3/16 "          | Grid Convergence: | 0.36 °        |

|                      |   |         |                     |                    |               |               |
|----------------------|---|---------|---------------------|--------------------|---------------|---------------|
| Well                 | Apache 8-06-4L, Surf loc: 1104 FSL 260 FWL Section 04-T04N-R63W |         |                     |                    |               |               |
| Well Position        | +N/-S   | 0.00 ft | Northing:           | 14,649,857.20 usft | Latitude:     | 40.33681167   |
|                      | +E/-W   | 0.00 ft | Easting:            | 1,793,239.82 usft  | Longitude:    | -104.45159979 |
| Position Uncertainty |   | 0.00 ft | Wellhead Elevation: |                    | Ground Level: | 4,660.00 ft   |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HDGM              | 5/25/2018          | 8.08                   | 66.90                | 52,229.90000000            |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | plan1                        |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.00                         | 0.00              | 0.00                 | 203.87               |

|                                 |                      |                                 |                  |                |
|---------------------------------|----------------------|---------------------------------|------------------|----------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>          | 5/25/2018                       |                  |                |
| <b>Depth From (ft)</b>          | <b>Depth To (ft)</b> | <b>Survey (Wellbore)</b>        | <b>Tool Name</b> | <b>Remarks</b> |
| 1                               | 0.00                 | 19,591.79 plan1 (Original Hole) |                  |                |

|                            |                        |                    |                            |                   |                   |                              |                             |                            |                |                      |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|----------------|----------------------|
| <b>Plan Sections</b>       |                        |                    |                            |                   |                   |                              |                             |                            |                |                      |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> | <b>TFO (°)</b> | <b>Target</b>        |
| 0.00                       | 0.00                   | 0.00               | 0.00                       | 0.00              | 0.00              | 0.00                         | 0.00                        | 0.00                       | 0.00           |                      |
| 3,000.00                   | 0.00                   | 0.00               | 3,000.00                   | 0.00              | 0.00              | 0.00                         | 0.00                        | 0.00                       | 0.00           |                      |
| 5,132.90                   | 63.99                  | 258.55             | 4,716.38                   | -212.84           | -1,050.91         | 3.00                         | 3.00                        | 0.00                       | 258.55         |                      |
| 9,090.36                   | 63.99                  | 258.55             | 6,452.02                   | -918.81           | -4,536.68         | 0.00                         | 0.00                        | 0.00                       | 0.00           |                      |
| 9,888.03                   | 90.00                  | 179.95             | 6,662.00                   | -1,483.01         | -4,958.00         | 10.00                        | 3.26                        | -9.85                      | -84.95         | Apache 8-06-4L LP 4" |
| 19,591.79                  | 90.00                  | 179.95             | 6,662.00                   | -11,186.77        | -4,949.86         | 0.00                         | 0.00                        | 0.00                       | 0.00           | Apache 8-06-4L BHL   |



|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Planned Survey          |                 |             |                     |            |            |                     |                    |             |               |
|-------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft)     | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude    | Longitude     |
| 0.00                    | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 100.00                  | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 200.00                  | 0.00            | 0.00        | 200.00              | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 300.00                  | 0.00            | 0.00        | 300.00              | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 400.00                  | 0.00            | 0.00        | 400.00              | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 500.00                  | 0.00            | 0.00        | 500.00              | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 600.00                  | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 700.00                  | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 800.00                  | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 900.00                  | 0.00            | 0.00        | 900.00              | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,000.00                | 0.00            | 0.00        | 1,000.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,100.00                | 0.00            | 0.00        | 1,100.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,200.00                | 0.00            | 0.00        | 1,200.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,300.00                | 0.00            | 0.00        | 1,300.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,400.00                | 0.00            | 0.00        | 1,400.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,500.00                | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,600.00                | 0.00            | 0.00        | 1,600.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,700.00                | 0.00            | 0.00        | 1,700.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,800.00                | 0.00            | 0.00        | 1,800.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 1,900.00                | 0.00            | 0.00        | 1,900.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,000.00                | 0.00            | 0.00        | 2,000.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,100.00                | 0.00            | 0.00        | 2,100.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,200.00                | 0.00            | 0.00        | 2,200.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,300.00                | 0.00            | 0.00        | 2,300.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,400.00                | 0.00            | 0.00        | 2,400.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,500.00                | 0.00            | 0.00        | 2,500.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,600.00                | 0.00            | 0.00        | 2,600.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,700.00                | 0.00            | 0.00        | 2,700.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,800.00                | 0.00            | 0.00        | 2,800.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 2,900.00                | 0.00            | 0.00        | 2,900.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| 3,000.00                | 0.00            | 0.00        | 3,000.00            | 0.00       | 0.00       | 14,649,857.20       | 1,793,239.82       | 40.33681167 | -104.45159979 |
| KOP Begin 3"/100' build |                 |             |                     |            |            |                     |                    |             |               |
| 3,100.00                | 3.00            | 258.55      | 3,099.95            | -0.52      | -2.57      | 14,649,856.66       | 1,793,237.26       | 40.33681025 | -104.45160900 |
| 3,200.00                | 6.00            | 258.55      | 3,199.63            | -2.08      | -10.25     | 14,649,855.06       | 1,793,229.58       | 40.33680597 | -104.45163659 |
| 3,300.00                | 9.00            | 258.55      | 3,298.77            | -4.67      | -23.05     | 14,649,852.39       | 1,793,216.80       | 40.33679886 | -104.45168249 |
| 3,400.00                | 12.00           | 258.55      | 3,397.08            | -8.28      | -40.90     | 14,649,848.66       | 1,793,198.97       | 40.33678892 | -104.45174657 |
| 3,500.00                | 15.00           | 258.55      | 3,494.31            | -12.92     | -63.78     | 14,649,843.88       | 1,793,176.12       | 40.33677620 | -104.45182866 |
| 3,600.00                | 18.00           | 258.55      | 3,590.18            | -18.55     | -91.62     | 14,649,838.08       | 1,793,148.32       | 40.33676072 | -104.45192854 |
| 3,700.00                | 21.00           | 258.55      | 3,684.43            | -25.18     | -124.33    | 14,649,831.25       | 1,793,115.65       | 40.33674253 | -104.45204593 |
| 3,800.00                | 24.00           | 258.55      | 3,776.81            | -32.78     | -161.83    | 14,649,823.42       | 1,793,078.20       | 40.33672167 | -104.45218050 |
| 3,900.00                | 27.00           | 258.55      | 3,867.06            | -41.32     | -204.02    | 14,649,814.61       | 1,793,036.06       | 40.33669821 | -104.45233189 |
| 4,000.00                | 30.00           | 258.55      | 3,954.93            | -50.79     | -250.78    | 14,649,804.85       | 1,792,989.36       | 40.33667220 | -104.45249968 |
| 4,100.00                | 33.00           | 258.55      | 4,040.18            | -61.16     | -301.99    | 14,649,794.17       | 1,792,938.22       | 40.33664372 | -104.45268342 |
| 4,200.00                | 36.00           | 258.55      | 4,122.59            | -72.40     | -357.49    | 14,649,782.58       | 1,792,882.78       | 40.33661285 | -104.45288260 |
| 4,300.00                | 39.00           | 258.55      | 4,201.91            | -84.49     | -417.15    | 14,649,770.13       | 1,792,823.20       | 40.33657967 | -104.45309668 |
| 4,400.00                | 42.00           | 258.55      | 4,277.95            | -97.38     | -480.80    | 14,649,756.85       | 1,792,759.64       | 40.33654427 | -104.45332506 |
| 4,500.00                | 45.00           | 258.55      | 4,350.47            | -111.04    | -548.25    | 14,649,742.77       | 1,792,692.27       | 40.33650675 | -104.45356712 |
| 4,600.00                | 48.00           | 258.55      | 4,419.30            | -125.43    | -619.34    | 14,649,727.93       | 1,792,621.27       | 40.33646721 | -104.45382220 |
| 4,700.00                | 51.00           | 258.55      | 4,484.24            | -140.53    | -693.86    | 14,649,712.37       | 1,792,546.85       | 40.33642576 | -104.45408960 |
| 4,800.00                | 54.00           | 258.55      | 4,545.11            | -156.27    | -771.61    | 14,649,696.15       | 1,792,469.20       | 40.33638252 | -104.45436858 |
| 4,900.00                | 57.00           | 258.55      | 4,601.74            | -172.63    | -852.37    | 14,649,679.29       | 1,792,388.54       | 40.33633760 | -104.45465839 |
| 5,000.00                | 60.00           | 258.55      | 4,653.99            | -189.55    | -935.93    | 14,649,661.85       | 1,792,305.09       | 40.33629112 | -104.45495822 |
| 5,100.00                | 63.00           | 258.55      | 4,701.70            | -207.00    | -1,022.05  | 14,649,643.87       | 1,792,219.07       | 40.33624321 | -104.45526726 |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Planned Survey                      |                 |             |                     |            |            |                     |                    |             |               |
|-------------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft)                 | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude    | Longitude     |
| 5,132.90                            | 63.99           | 258.55      | 4,716.38            | -212.84    | -1,050.91  | 14,649,637.85       | 1,792,190.25       | 40.33622716 | -104.45537081 |
| <b>Begin 63.99° tangent section</b> |                 |             |                     |            |            |                     |                    |             |               |
| 5,200.00                            | 63.99           | 258.55      | 4,745.81            | -224.81    | -1,110.01  | 14,649,625.51       | 1,792,131.23       | 40.33619429 | -104.45558288 |
| 5,300.00                            | 63.99           | 258.55      | 4,789.67            | -242.65    | -1,198.09  | 14,649,607.13       | 1,792,043.26       | 40.33614529 | -104.45589894 |
| 5,400.00                            | 63.99           | 258.55      | 4,833.52            | -260.49    | -1,286.17  | 14,649,588.75       | 1,791,955.29       | 40.33609629 | -104.45621500 |
| 5,500.00                            | 63.99           | 258.55      | 4,877.38            | -278.33    | -1,374.25  | 14,649,570.36       | 1,791,867.32       | 40.33604729 | -104.45653106 |
| 5,600.00                            | 63.99           | 258.55      | 4,921.24            | -296.17    | -1,462.33  | 14,649,551.98       | 1,791,779.35       | 40.33599829 | -104.45684712 |
| 5,700.00                            | 63.99           | 258.55      | 4,965.10            | -314.01    | -1,550.41  | 14,649,533.59       | 1,791,691.38       | 40.33594929 | -104.45716318 |
| 5,800.00                            | 63.99           | 258.55      | 5,008.95            | -331.84    | -1,638.50  | 14,649,515.21       | 1,791,603.42       | 40.33590029 | -104.45747924 |
| 5,900.00                            | 63.99           | 258.55      | 5,052.81            | -349.68    | -1,726.58  | 14,649,496.82       | 1,791,515.45       | 40.33585129 | -104.45779530 |
| 6,000.00                            | 63.99           | 258.55      | 5,096.67            | -367.52    | -1,814.66  | 14,649,478.44       | 1,791,427.48       | 40.33580229 | -104.45811136 |
| 6,100.00                            | 63.99           | 258.55      | 5,140.52            | -385.36    | -1,902.74  | 14,649,460.05       | 1,791,339.51       | 40.33575328 | -104.45842742 |
| 6,200.00                            | 63.99           | 258.55      | 5,184.38            | -403.20    | -1,990.82  | 14,649,441.67       | 1,791,251.54       | 40.33570428 | -104.45874348 |
| 6,300.00                            | 63.99           | 258.55      | 5,228.24            | -421.04    | -2,078.90  | 14,649,423.29       | 1,791,163.57       | 40.33565527 | -104.45905953 |
| 6,400.00                            | 63.99           | 258.55      | 5,272.10            | -438.88    | -2,166.98  | 14,649,404.90       | 1,791,075.60       | 40.33560627 | -104.45937559 |
| 6,500.00                            | 63.99           | 258.55      | 5,315.95            | -456.72    | -2,255.06  | 14,649,386.52       | 1,790,987.63       | 40.33555726 | -104.45969165 |
| 6,600.00                            | 63.99           | 258.55      | 5,359.81            | -474.56    | -2,343.15  | 14,649,368.13       | 1,790,899.66       | 40.33550825 | -104.46000770 |
| 6,700.00                            | 63.99           | 258.55      | 5,403.67            | -492.40    | -2,431.23  | 14,649,349.75       | 1,790,811.70       | 40.33545924 | -104.46032376 |
| 6,800.00                            | 63.99           | 258.55      | 5,447.53            | -510.24    | -2,519.31  | 14,649,331.36       | 1,790,723.73       | 40.33541023 | -104.46063981 |
| 6,900.00                            | 63.99           | 258.55      | 5,491.38            | -528.07    | -2,607.39  | 14,649,312.98       | 1,790,635.76       | 40.33536122 | -104.46095587 |
| 7,000.00                            | 63.99           | 258.55      | 5,535.24            | -545.91    | -2,695.47  | 14,649,294.59       | 1,790,547.79       | 40.33531221 | -104.46127192 |
| 7,100.00                            | 63.99           | 258.55      | 5,579.10            | -563.75    | -2,783.55  | 14,649,276.21       | 1,790,459.82       | 40.33526320 | -104.46158798 |
| 7,200.00                            | 63.99           | 258.55      | 5,622.96            | -581.59    | -2,871.63  | 14,649,257.83       | 1,790,371.85       | 40.33521419 | -104.46190403 |
| 7,300.00                            | 63.99           | 258.55      | 5,666.81            | -599.43    | -2,959.71  | 14,649,239.44       | 1,790,283.88       | 40.33516517 | -104.46222008 |
| 7,400.00                            | 63.99           | 258.55      | 5,710.67            | -617.27    | -3,047.80  | 14,649,221.06       | 1,790,195.91       | 40.33511616 | -104.46253614 |
| 7,500.00                            | 63.99           | 258.55      | 5,754.53            | -635.11    | -3,135.88  | 14,649,202.67       | 1,790,107.95       | 40.33506714 | -104.46285219 |
| 7,600.00                            | 63.99           | 258.55      | 5,798.38            | -652.95    | -3,223.96  | 14,649,184.29       | 1,790,019.98       | 40.33501812 | -104.46316824 |
| 7,700.00                            | 63.99           | 258.55      | 5,842.24            | -670.79    | -3,312.04  | 14,649,165.90       | 1,789,932.01       | 40.33496911 | -104.46348429 |
| 7,800.00                            | 63.99           | 258.55      | 5,886.10            | -688.63    | -3,400.12  | 14,649,147.52       | 1,789,844.04       | 40.33492009 | -104.46380034 |
| 7,900.00                            | 63.99           | 258.55      | 5,929.96            | -706.47    | -3,488.20  | 14,649,129.13       | 1,789,756.07       | 40.33487107 | -104.46411639 |
| 8,000.00                            | 63.99           | 258.55      | 5,973.81            | -724.30    | -3,576.28  | 14,649,110.75       | 1,789,668.10       | 40.33482205 | -104.46443244 |
| 8,100.00                            | 63.99           | 258.55      | 6,017.67            | -742.14    | -3,664.36  | 14,649,092.37       | 1,789,580.13       | 40.33477303 | -104.46474849 |
| 8,200.00                            | 63.99           | 258.55      | 6,061.53            | -759.98    | -3,752.44  | 14,649,073.98       | 1,789,492.16       | 40.33472401 | -104.46506454 |
| 8,300.00                            | 63.99           | 258.55      | 6,105.39            | -777.82    | -3,840.53  | 14,649,055.60       | 1,789,404.19       | 40.33467498 | -104.46538059 |
| 8,400.00                            | 63.99           | 258.55      | 6,149.24            | -795.66    | -3,928.61  | 14,649,037.21       | 1,789,316.23       | 40.33462596 | -104.46569664 |
| 8,500.00                            | 63.99           | 258.55      | 6,193.10            | -813.50    | -4,016.69  | 14,649,018.83       | 1,789,228.26       | 40.33457693 | -104.46601269 |
| 8,600.00                            | 63.99           | 258.55      | 6,236.96            | -831.34    | -4,104.77  | 14,649,000.44       | 1,789,140.29       | 40.33452791 | -104.46632873 |
| 8,700.00                            | 63.99           | 258.55      | 6,280.82            | -849.18    | -4,192.85  | 14,648,982.06       | 1,789,052.32       | 40.33447888 | -104.46664478 |
| 8,800.00                            | 63.99           | 258.55      | 6,324.67            | -867.02    | -4,280.93  | 14,648,963.67       | 1,788,964.35       | 40.33442986 | -104.46696083 |
| 8,900.00                            | 63.99           | 258.55      | 6,368.53            | -884.86    | -4,369.01  | 14,648,945.29       | 1,788,876.38       | 40.33438083 | -104.46727687 |
| 9,000.00                            | 63.99           | 258.55      | 6,412.39            | -902.70    | -4,457.09  | 14,648,926.91       | 1,788,788.41       | 40.33433180 | -104.46759292 |
| 9,090.36                            | 63.99           | 258.55      | 6,452.02            | -918.81    | -4,536.68  | 14,648,910.29       | 1,788,708.92       | 40.33428750 | -104.46787849 |
| <b>Begin 10°/100' build/turn</b>    |                 |             |                     |            |            |                     |                    |             |               |
| 9,100.00                            | 64.08           | 257.48      | 6,456.24            | -920.61    | -4,545.16  | 14,648,908.44       | 1,788,700.46       | 40.33428255 | -104.46790891 |
| 9,200.00                            | 65.45           | 246.53      | 6,498.98            | -948.55    | -4,631.00  | 14,648,879.98       | 1,788,614.80       | 40.33420581 | -104.46821689 |
| 9,300.00                            | 67.59           | 235.88      | 6,538.92            | -992.70    | -4,711.18  | 14,648,835.33       | 1,788,534.89       | 40.33408451 | -104.46850458 |
| 9,400.00                            | 70.41           | 225.59      | 6,574.84            | -1,051.74  | -4,783.28  | 14,648,775.84       | 1,788,463.15       | 40.33392235 | -104.46876326 |
| 9,500.00                            | 73.78           | 215.70      | 6,605.65            | -1,123.88  | -4,845.11  | 14,648,703.32       | 1,788,401.78       | 40.33372424 | -104.46898505 |
| 9,600.00                            | 77.60           | 206.16      | 6,630.41            | -1,206.91  | -4,894.78  | 14,648,619.99       | 1,788,352.62       | 40.33349621 | -104.46916322 |
| 9,700.00                            | 81.74           | 196.90      | 6,648.37            | -1,298.32  | -4,930.79  | 14,648,528.36       | 1,788,317.18       | 40.33324519 | -104.46929235 |
| 9,800.00                            | 86.09           | 187.84      | 6,658.99            | -1,395.32  | -4,952.04  | 14,648,431.22       | 1,788,296.53       | 40.33297880 | -104.46936853 |
| 9,888.03                            | 90.00           | 179.95      | 6,662.00            | -1,483.01  | -4,958.00  | 14,648,343.50       | 1,788,291.11       | 40.33273801 | -104.46938988 |
| <b>LP Begin 90° lateral</b>         |                 |             |                     |            |            |                     |                    |             |               |
| 9,900.00                            | 90.00           | 179.95      | 6,662.00            | -1,494.98  | -4,957.99  | 14,648,331.53       | 1,788,291.19       | 40.33270514 | -104.46938983 |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Planned Survey      |                 |             |                     |            |            |                     |                    |             |               |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude    | Longitude     |
| 10,000.00           | 90.00           | 179.95      | 6,662.00            | -1,594.98  | -4,957.91  | 14,648,231.53       | 1,788,291.90       | 40.33243054 | -104.46938946 |
| 10,100.00           | 90.00           | 179.95      | 6,662.00            | -1,694.98  | -4,957.83  | 14,648,131.53       | 1,788,292.60       | 40.33215594 | -104.46938909 |
| 10,200.00           | 90.00           | 179.95      | 6,662.00            | -1,794.98  | -4,957.74  | 14,648,031.54       | 1,788,293.30       | 40.33188135 | -104.46938871 |
| 10,300.00           | 90.00           | 179.95      | 6,662.00            | -1,894.98  | -4,957.66  | 14,647,931.54       | 1,788,294.01       | 40.33160675 | -104.46938834 |
| 10,400.00           | 90.00           | 179.95      | 6,662.00            | -1,994.98  | -4,957.57  | 14,647,831.54       | 1,788,294.71       | 40.33133216 | -104.46938797 |
| 10,500.00           | 90.00           | 179.95      | 6,662.00            | -2,094.98  | -4,957.49  | 14,647,731.54       | 1,788,295.42       | 40.33105756 | -104.46938759 |
| 10,600.00           | 90.00           | 179.95      | 6,662.00            | -2,194.98  | -4,957.41  | 14,647,631.55       | 1,788,296.12       | 40.33078296 | -104.46938722 |
| 10,700.00           | 90.00           | 179.95      | 6,662.00            | -2,294.98  | -4,957.32  | 14,647,531.55       | 1,788,296.82       | 40.33050837 | -104.46938684 |
| 10,800.00           | 90.00           | 179.95      | 6,662.00            | -2,394.98  | -4,957.24  | 14,647,431.55       | 1,788,297.53       | 40.33023377 | -104.46938647 |
| 10,900.00           | 90.00           | 179.95      | 6,662.00            | -2,494.98  | -4,957.15  | 14,647,331.55       | 1,788,298.23       | 40.32995918 | -104.46938610 |
| 11,000.00           | 90.00           | 179.95      | 6,662.00            | -2,594.98  | -4,957.07  | 14,647,231.56       | 1,788,298.93       | 40.32968458 | -104.46938572 |
| 11,100.00           | 90.00           | 179.95      | 6,662.00            | -2,694.98  | -4,956.99  | 14,647,131.56       | 1,788,299.64       | 40.32940998 | -104.46938535 |
| 11,200.00           | 90.00           | 179.95      | 6,662.00            | -2,794.98  | -4,956.90  | 14,647,031.56       | 1,788,300.34       | 40.32913539 | -104.46938498 |
| 11,300.00           | 90.00           | 179.95      | 6,662.00            | -2,894.98  | -4,956.82  | 14,646,931.56       | 1,788,301.04       | 40.32886079 | -104.46938460 |
| 11,400.00           | 90.00           | 179.95      | 6,662.00            | -2,994.98  | -4,956.73  | 14,646,831.57       | 1,788,301.75       | 40.32858620 | -104.46938423 |
| 11,500.00           | 90.00           | 179.95      | 6,662.00            | -3,094.98  | -4,956.65  | 14,646,731.57       | 1,788,302.45       | 40.32831160 | -104.46938385 |
| 11,600.00           | 90.00           | 179.95      | 6,662.00            | -3,194.98  | -4,956.57  | 14,646,631.57       | 1,788,303.15       | 40.32803700 | -104.46938348 |
| 11,700.00           | 90.00           | 179.95      | 6,662.00            | -3,294.98  | -4,956.48  | 14,646,531.58       | 1,788,303.86       | 40.32776241 | -104.46938311 |
| 11,800.00           | 90.00           | 179.95      | 6,662.00            | -3,394.98  | -4,956.40  | 14,646,431.58       | 1,788,304.56       | 40.32748781 | -104.46938273 |
| 11,900.00           | 90.00           | 179.95      | 6,662.00            | -3,494.98  | -4,956.31  | 14,646,331.58       | 1,788,305.27       | 40.32721321 | -104.46938236 |
| 12,000.00           | 90.00           | 179.95      | 6,662.00            | -3,594.98  | -4,956.23  | 14,646,231.58       | 1,788,305.97       | 40.32693862 | -104.46938198 |
| 12,100.00           | 90.00           | 179.95      | 6,662.00            | -3,694.98  | -4,956.15  | 14,646,131.59       | 1,788,306.67       | 40.32666402 | -104.46938161 |
| 12,200.00           | 90.00           | 179.95      | 6,662.00            | -3,794.98  | -4,956.06  | 14,646,031.59       | 1,788,307.38       | 40.32638943 | -104.46938124 |
| 12,300.00           | 90.00           | 179.95      | 6,662.00            | -3,894.98  | -4,955.98  | 14,645,931.59       | 1,788,308.08       | 40.32611483 | -104.46938086 |
| 12,400.00           | 90.00           | 179.95      | 6,662.00            | -3,994.98  | -4,955.89  | 14,645,831.59       | 1,788,308.78       | 40.32584023 | -104.46938049 |
| 12,500.00           | 90.00           | 179.95      | 6,662.00            | -4,094.98  | -4,955.81  | 14,645,731.60       | 1,788,309.49       | 40.32556564 | -104.46938012 |
| 12,600.00           | 90.00           | 179.95      | 6,662.00            | -4,194.98  | -4,955.73  | 14,645,631.60       | 1,788,310.19       | 40.32529104 | -104.46937974 |
| 12,700.00           | 90.00           | 179.95      | 6,662.00            | -4,294.98  | -4,955.64  | 14,645,531.60       | 1,788,310.89       | 40.32501644 | -104.46937937 |
| 12,800.00           | 90.00           | 179.95      | 6,662.00            | -4,394.98  | -4,955.56  | 14,645,431.60       | 1,788,311.60       | 40.32474185 | -104.46937899 |
| 12,900.00           | 90.00           | 179.95      | 6,662.00            | -4,494.98  | -4,955.47  | 14,645,331.61       | 1,788,312.30       | 40.32446725 | -104.46937862 |
| 13,000.00           | 90.00           | 179.95      | 6,662.00            | -4,594.98  | -4,955.39  | 14,645,231.61       | 1,788,313.00       | 40.32419266 | -104.46937825 |
| 13,100.00           | 90.00           | 179.95      | 6,662.00            | -4,694.98  | -4,955.31  | 14,645,131.61       | 1,788,313.71       | 40.32391806 | -104.46937787 |
| 13,200.00           | 90.00           | 179.95      | 6,662.00            | -4,794.98  | -4,955.22  | 14,645,031.62       | 1,788,314.41       | 40.32364346 | -104.46937750 |
| 13,300.00           | 90.00           | 179.95      | 6,662.00            | -4,894.98  | -4,955.14  | 14,644,931.62       | 1,788,315.11       | 40.32336887 | -104.46937712 |
| 13,400.00           | 90.00           | 179.95      | 6,662.00            | -4,994.98  | -4,955.05  | 14,644,831.62       | 1,788,315.82       | 40.32309427 | -104.46937675 |
| 13,500.00           | 90.00           | 179.95      | 6,662.00            | -5,094.98  | -4,954.97  | 14,644,731.62       | 1,788,316.52       | 40.32281967 | -104.46937638 |
| 13,600.00           | 90.00           | 179.95      | 6,662.00            | -5,194.98  | -4,954.89  | 14,644,631.63       | 1,788,317.23       | 40.32254508 | -104.46937600 |
| 13,700.00           | 90.00           | 179.95      | 6,662.00            | -5,294.98  | -4,954.80  | 14,644,531.63       | 1,788,317.93       | 40.32227048 | -104.46937563 |
| 13,800.00           | 90.00           | 179.95      | 6,662.00            | -5,394.98  | -4,954.72  | 14,644,431.63       | 1,788,318.63       | 40.32199588 | -104.46937525 |
| 13,900.00           | 90.00           | 179.95      | 6,662.00            | -5,494.98  | -4,954.63  | 14,644,331.63       | 1,788,319.34       | 40.32172129 | -104.46937488 |
| 14,000.00           | 90.00           | 179.95      | 6,662.00            | -5,594.98  | -4,954.55  | 14,644,231.64       | 1,788,320.04       | 40.32144669 | -104.46937450 |
| 14,100.00           | 90.00           | 179.95      | 6,662.00            | -5,694.98  | -4,954.47  | 14,644,131.64       | 1,788,320.74       | 40.32117210 | -104.46937413 |
| 14,200.00           | 90.00           | 179.95      | 6,662.00            | -5,794.98  | -4,954.38  | 14,644,031.64       | 1,788,321.45       | 40.32089750 | -104.46937376 |
| 14,300.00           | 90.00           | 179.95      | 6,662.00            | -5,894.98  | -4,954.30  | 14,643,931.64       | 1,788,322.15       | 40.32062290 | -104.46937338 |
| 14,400.00           | 90.00           | 179.95      | 6,662.00            | -5,994.98  | -4,954.22  | 14,643,831.65       | 1,788,322.85       | 40.32034831 | -104.46937301 |
| 14,500.00           | 90.00           | 179.95      | 6,662.00            | -6,094.98  | -4,954.13  | 14,643,731.65       | 1,788,323.56       | 40.32007371 | -104.46937263 |
| 14,600.00           | 90.00           | 179.95      | 6,662.00            | -6,194.98  | -4,954.05  | 14,643,631.65       | 1,788,324.26       | 40.31979911 | -104.46937226 |
| 14,700.00           | 90.00           | 179.95      | 6,662.00            | -6,294.98  | -4,953.96  | 14,643,531.66       | 1,788,324.96       | 40.31952452 | -104.46937189 |
| 14,800.00           | 90.00           | 179.95      | 6,662.00            | -6,394.98  | -4,953.88  | 14,643,431.66       | 1,788,325.67       | 40.31924992 | -104.46937151 |
| 14,900.00           | 90.00           | 179.95      | 6,662.00            | -6,494.98  | -4,953.80  | 14,643,331.66       | 1,788,326.37       | 40.31897532 | -104.46937114 |
| 15,000.00           | 90.00           | 179.95      | 6,662.00            | -6,594.98  | -4,953.71  | 14,643,231.66       | 1,788,327.07       | 40.31870073 | -104.46937076 |
| 15,100.00           | 90.00           | 179.95      | 6,662.00            | -6,694.98  | -4,953.63  | 14,643,131.67       | 1,788,327.78       | 40.31842613 | -104.46937039 |
| 15,200.00           | 90.00           | 179.95      | 6,662.00            | -6,794.98  | -4,953.54  | 14,643,031.67       | 1,788,328.48       | 40.31815153 | -104.46937002 |
| 15,300.00           | 90.00           | 179.95      | 6,662.00            | -6,894.98  | -4,953.46  | 14,642,931.67       | 1,788,329.19       | 40.31787694 | -104.46936964 |
| 15,400.00           | 90.00           | 179.95      | 6,662.00            | -6,994.98  | -4,953.38  | 14,642,831.67       | 1,788,329.89       | 40.31760234 | -104.46936927 |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Planned Survey                  |                 |             |                     |            |            |                     |                    |             |               |
|---------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft)             | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude    | Longitude     |
| 15,500.00                       | 90.00           | 179.95      | 6,662.00            | -7,094.98  | -4,953.29  | 14,642,731.68       | 1,788,330.59       | 40.31732774 | -104.46936889 |
| 15,600.00                       | 90.00           | 179.95      | 6,662.00            | -7,194.98  | -4,953.21  | 14,642,631.68       | 1,788,331.30       | 40.31705315 | -104.46936852 |
| 15,700.00                       | 90.00           | 179.95      | 6,662.00            | -7,294.98  | -4,953.12  | 14,642,531.68       | 1,788,332.00       | 40.31677855 | -104.46936814 |
| 15,800.00                       | 90.00           | 179.95      | 6,662.00            | -7,394.98  | -4,953.04  | 14,642,431.68       | 1,788,332.70       | 40.31650395 | -104.46936777 |
| 15,900.00                       | 90.00           | 179.95      | 6,662.00            | -7,494.98  | -4,952.96  | 14,642,331.69       | 1,788,333.41       | 40.31622936 | -104.46936740 |
| 16,000.00                       | 90.00           | 179.95      | 6,662.00            | -7,594.98  | -4,952.87  | 14,642,231.69       | 1,788,334.11       | 40.31595476 | -104.46936702 |
| 16,100.00                       | 90.00           | 179.95      | 6,662.00            | -7,694.98  | -4,952.79  | 14,642,131.69       | 1,788,334.81       | 40.31568016 | -104.46936665 |
| 16,200.00                       | 90.00           | 179.95      | 6,662.00            | -7,794.98  | -4,952.70  | 14,642,031.70       | 1,788,335.52       | 40.31540557 | -104.46936627 |
| 16,300.00                       | 90.00           | 179.95      | 6,662.00            | -7,894.98  | -4,952.62  | 14,641,931.70       | 1,788,336.22       | 40.31513097 | -104.46936590 |
| 16,400.00                       | 90.00           | 179.95      | 6,662.00            | -7,994.98  | -4,952.54  | 14,641,831.70       | 1,788,336.92       | 40.31485637 | -104.46936552 |
| 16,500.00                       | 90.00           | 179.95      | 6,662.00            | -8,094.98  | -4,952.45  | 14,641,731.70       | 1,788,337.63       | 40.31458178 | -104.46936515 |
| 16,600.00                       | 90.00           | 179.95      | 6,662.00            | -8,194.98  | -4,952.37  | 14,641,631.71       | 1,788,338.33       | 40.31430718 | -104.46936478 |
| 16,700.00                       | 90.00           | 179.95      | 6,662.00            | -8,294.98  | -4,952.28  | 14,641,531.71       | 1,788,339.04       | 40.31403258 | -104.46936440 |
| 16,800.00                       | 90.00           | 179.95      | 6,662.00            | -8,394.98  | -4,952.20  | 14,641,431.71       | 1,788,339.74       | 40.31375799 | -104.46936403 |
| 16,900.00                       | 90.00           | 179.95      | 6,662.00            | -8,494.98  | -4,952.12  | 14,641,331.71       | 1,788,340.44       | 40.31348339 | -104.46936365 |
| 17,000.00                       | 90.00           | 179.95      | 6,662.00            | -8,594.98  | -4,952.03  | 14,641,231.72       | 1,788,341.15       | 40.31320879 | -104.46936328 |
| 17,100.00                       | 90.00           | 179.95      | 6,662.00            | -8,694.98  | -4,951.95  | 14,641,131.72       | 1,788,341.85       | 40.31293419 | -104.46936290 |
| 17,200.00                       | 90.00           | 179.95      | 6,662.00            | -8,794.98  | -4,951.86  | 14,641,031.72       | 1,788,342.55       | 40.31265961 | -104.46936253 |
| 17,300.00                       | 90.00           | 179.95      | 6,662.00            | -8,894.98  | -4,951.78  | 14,640,931.73       | 1,788,343.26       | 40.31238501 | -104.46936216 |
| 17,400.00                       | 90.00           | 179.95      | 6,662.00            | -8,994.98  | -4,951.70  | 14,640,831.73       | 1,788,343.96       | 40.31211041 | -104.46936178 |
| 17,500.00                       | 90.00           | 179.95      | 6,662.00            | -9,094.98  | -4,951.61  | 14,640,731.73       | 1,788,344.66       | 40.31183582 | -104.46936141 |
| 17,600.00                       | 90.00           | 179.95      | 6,662.00            | -9,194.98  | -4,951.53  | 14,640,631.73       | 1,788,345.37       | 40.31156122 | -104.46936103 |
| 17,700.00                       | 90.00           | 179.95      | 6,662.00            | -9,294.98  | -4,951.44  | 14,640,531.74       | 1,788,346.07       | 40.31128662 | -104.46936066 |
| 17,800.00                       | 90.00           | 179.95      | 6,662.00            | -9,394.98  | -4,951.36  | 14,640,431.74       | 1,788,346.77       | 40.31101203 | -104.46936028 |
| 17,900.00                       | 90.00           | 179.95      | 6,662.00            | -9,494.98  | -4,951.28  | 14,640,331.74       | 1,788,347.48       | 40.31073743 | -104.46935991 |
| 18,000.00                       | 90.00           | 179.95      | 6,662.00            | -9,594.98  | -4,951.19  | 14,640,231.74       | 1,788,348.18       | 40.31046283 | -104.46935953 |
| 18,100.00                       | 90.00           | 179.95      | 6,662.00            | -9,694.98  | -4,951.11  | 14,640,131.75       | 1,788,348.88       | 40.31018824 | -104.46935916 |
| 18,200.00                       | 90.00           | 179.95      | 6,662.00            | -9,794.98  | -4,951.02  | 14,640,031.75       | 1,788,349.59       | 40.30991364 | -104.46935879 |
| 18,300.00                       | 90.00           | 179.95      | 6,662.00            | -9,894.98  | -4,950.94  | 14,639,931.75       | 1,788,350.29       | 40.30963904 | -104.46935841 |
| 18,400.00                       | 90.00           | 179.95      | 6,662.00            | -9,994.98  | -4,950.86  | 14,639,831.75       | 1,788,351.00       | 40.30936444 | -104.46935804 |
| 18,500.00                       | 90.00           | 179.95      | 6,662.00            | -10,094.98 | -4,950.77  | 14,639,731.76       | 1,788,351.70       | 40.30908985 | -104.46935766 |
| 18,600.00                       | 90.00           | 179.95      | 6,662.00            | -10,194.98 | -4,950.69  | 14,639,631.76       | 1,788,352.40       | 40.30881525 | -104.46935729 |
| 18,700.00                       | 90.00           | 179.95      | 6,662.00            | -10,294.98 | -4,950.60  | 14,639,531.76       | 1,788,353.11       | 40.30854065 | -104.46935691 |
| 18,800.00                       | 90.00           | 179.95      | 6,662.00            | -10,394.98 | -4,950.52  | 14,639,431.77       | 1,788,353.81       | 40.30826606 | -104.46935654 |
| 18,900.00                       | 90.00           | 179.95      | 6,662.00            | -10,494.98 | -4,950.44  | 14,639,331.77       | 1,788,354.51       | 40.30799146 | -104.46935616 |
| 19,000.00                       | 90.00           | 179.95      | 6,662.00            | -10,594.98 | -4,950.35  | 14,639,231.77       | 1,788,355.22       | 40.30771686 | -104.46935579 |
| 19,100.00                       | 90.00           | 179.95      | 6,662.00            | -10,694.98 | -4,950.27  | 14,639,131.77       | 1,788,355.92       | 40.30744226 | -104.46935541 |
| 19,200.00                       | 90.00           | 179.95      | 6,662.00            | -10,794.98 | -4,950.18  | 14,639,031.78       | 1,788,356.62       | 40.30716767 | -104.46935504 |
| 19,300.00                       | 90.00           | 179.95      | 6,662.00            | -10,894.98 | -4,950.10  | 14,638,931.78       | 1,788,357.33       | 40.30689307 | -104.46935467 |
| 19,400.00                       | 90.00           | 179.95      | 6,662.00            | -10,994.98 | -4,950.02  | 14,638,831.78       | 1,788,358.03       | 40.30661847 | -104.46935429 |
| 19,500.00                       | 90.00           | 179.95      | 6,662.00            | -11,094.98 | -4,949.93  | 14,638,731.78       | 1,788,358.73       | 40.30634388 | -104.46935392 |
| 19,591.79                       | 90.00           | 179.95      | 6,662.00            | -11,186.77 | -4,949.86  | 14,638,640.00       | 1,788,359.38       | 40.30609183 | -104.46935357 |
| PBHL/TD 19591.79 MD 6662.00 TVD |                 |             |                     |            |            |                     |                    |             |               |

|                  |                       |                                     |                         |
|------------------|-----------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | DB_Aug0116_LT_v14     | <b>Local Co-ordinate Reference:</b> | Well Apache 8-06-4L     |
| <b>Company:</b>  | Confluence Resources  | <b>TVD Reference:</b>               | RKB=4660+24 @ 4684.00ft |
| <b>Project:</b>  | Weld County, Colorado | <b>MD Reference:</b>                | RKB=4660+24 @ 4684.00ft |
| <b>Site:</b>     | Section 04-T04N-R63W  | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | Apache 8-06-4L        | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole         |                                     |                         |
| <b>Design:</b>   | plan1                 |                                     |                         |

| Design Targets            |           |          |          |            |           |               |              |             |               |
|---------------------------|-----------|----------|----------|------------|-----------|---------------|--------------|-------------|---------------|
| Target Name               | Dip Angle | Dip Dir. | TVD      | +N/-S      | +E/-W     | Northing      | Easting      | Latitude    | Longitude     |
| - hit/miss target         | (°)       | (°)      | (ft)     | (ft)       | (ft)      | (usft)        | (usft)       |             |               |
| - Shape                   |           |          |          |            |           |               |              |             |               |
| Apache 8-06-4L SL 1104    | 0.00      | 0.00     | 24.00    | 0.00       | 0.00      | 14,649,857.20 | 1,793,239.82 | 40.33681167 | -104.45159979 |
| - plan hits target center |           |          |          |            |           |               |              |             |               |
| - Point                   |           |          |          |            |           |               |              |             |               |
| Apache 8-06-4L LP 470     | 0.00      | 0.00     | 6,662.00 | -1,483.01  | -4,958.00 | 14,648,343.50 | 1,788,291.11 | 40.33273801 | -104.46938988 |
| - plan hits target center |           |          |          |            |           |               |              |             |               |
| - Point                   |           |          |          |            |           |               |              |             |               |
| Apache 8-06-4L BHL 471    | 0.00      | 0.00     | 6,662.00 | -11,186.77 | -4,949.86 | 14,638,640.00 | 1,788,359.38 | 40.30609183 | -104.46935357 |
| - plan hits target center |           |          |          |            |           |               |              |             |               |
| - Point                   |           |          |          |            |           |               |              |             |               |

| Plan Annotations |                |                   |            |                                 |
|------------------|----------------|-------------------|------------|---------------------------------|
| Measured Depth   | Vertical Depth | Local Coordinates |            | Comment                         |
| (ft)             | (ft)           | +N/-S (ft)        | +E/-W (ft) |                                 |
| 3,000.00         | 3,000.00       | 0.00              | 0.00       | KOP Begin 3°/100' build         |
| 5,132.90         | 4,716.38       | -212.84           | -1,050.91  | Begin 63.99° tangent section    |
| 9,090.36         | 6,452.02       | -918.81           | -4,536.68  | Begin 10°/100' build/turn       |
| 9,888.03         | 6,662.00       | -1,483.01         | -4,958.00  | LP Begin 90° lateral            |
| 19,591.79        | 6,662.00       | -11,186.77        | -4,949.86  | PBHL/TD 19591.79 MD 6662.00 TVD |