



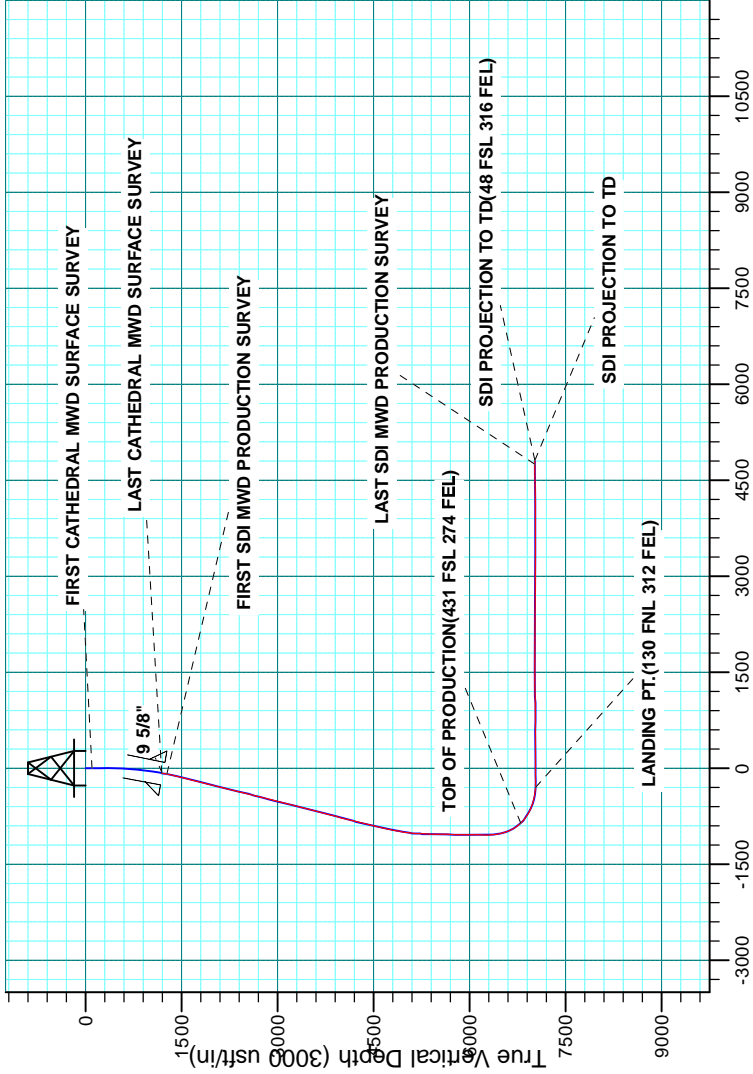
Project: WELD-NAD83-UTMFT13N  
Site: 3N-65W-28 Cheese 1-28HZ Pad  
Well: Cheese 38N-28HZ  
Wellbore: Plan A  
Design: Plan A



| WELL DETAILS: Cheese 38N-28HZ          |               |                         |                       |                       |
|--|---------------|-------------------------|-----------------------|-----------------------|
| GL 4817 & KB 25 @ 4841.99usft (HP 307) |               |                         |                       |                       |
| +N/-S<br>0.00                          | +E/-W<br>0.00 | Northing<br>14600657.13 | Easting<br>1734759.13 | Latitude<br>40.202512 |
| Longitude<br>-104.662124               |               |                         |                       |                       |

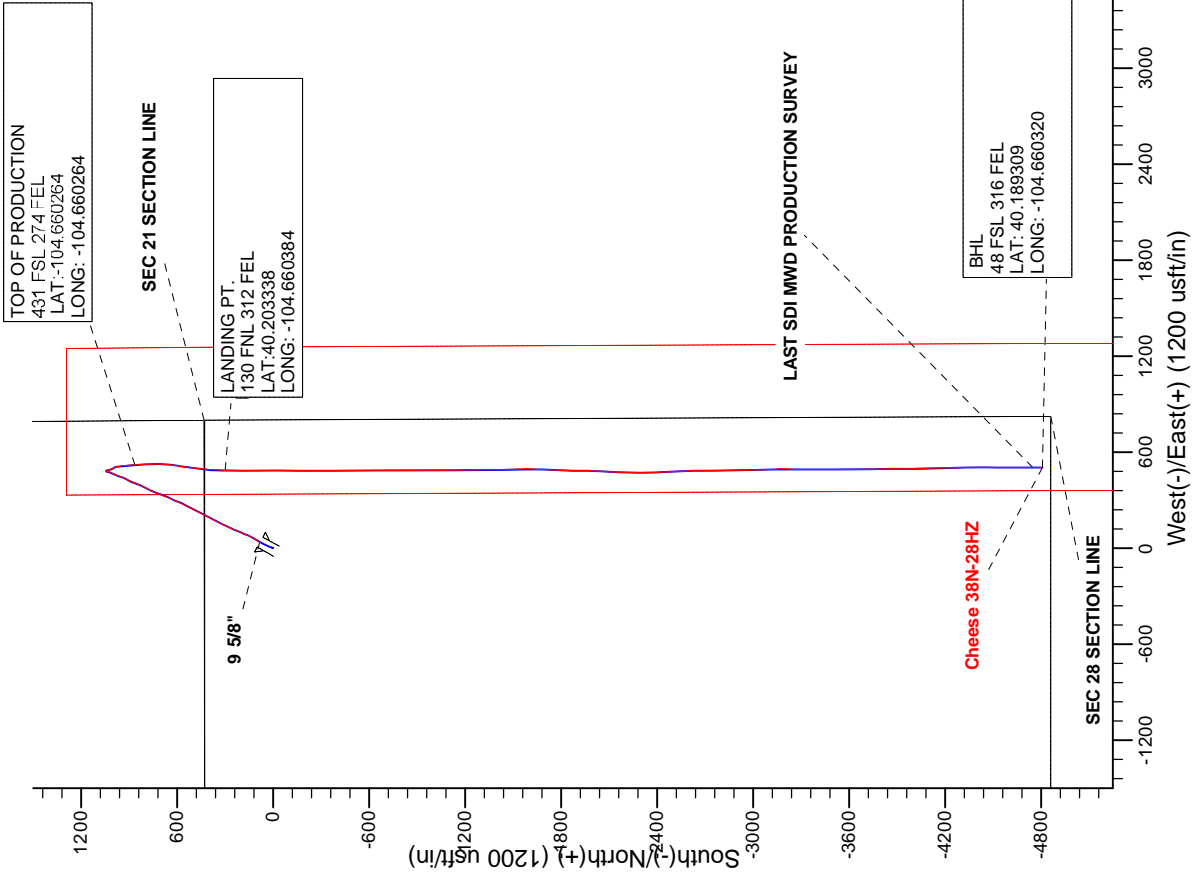
| PROJECT DETAILS: WELD-NAD83-UTMFT13N                            |  |
|---|--|
| Geodetic System: Universal Transverse Mercator (US Survey Feet) |  |
| Datum: North American Datum 1983                                |  |
| Ellipsoid: GRS 1980   |  |
| Zone: Zone 13N (108 W to 102 W)                                 |  |
| Location: SECTION 28 T3N R65W                                   |  |
| System Datum: Mean Sea Level                                    |  |

| CASING DETAILS |                      |
|----------------|----------------------|
| TVD            | Name                 |
| 1201.72        | 1208.00 9 5/8" 9.625 |



Vertical Section at 179.92° (3000 usft/in)

|   |                           |
|---|---------------------------|
| Survey: Survey #2 SDI MWD PRODUCTION (Cheese 38N-28HZ/Plan A) |                           |
| Created By: R.Scott   | Date: 16:43, June 03 2015 |



SEC 28 SECTION LINE

SEC 21 SECTION LINE

|                  |                                |                                     |  |
|------------------|--------------------------------|-------------------------------------|--|
| <b>Company:</b>  | US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> | Well Cheese 38N-28HZ                   |
| <b>Project:</b>  | WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b>               | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Site:</b>     | 3N-65W-28 Cheese 1-28HZ Pad    | <b>MD Reference:</b>                | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Well:</b>     | Cheese 38N-28HZ                | <b>North Reference:</b>             | True                                   |
| <b>Wellbore:</b> | Plan A                         | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | Plan A                         | <b>Database:</b>                    | Denver Sales                           |

|                    |  |                      |                |
|--------------------|--|----------------------|----------------|
| <b>Project</b>     | WELD-NAD83-UTMFT13N                            |                      |                |
| <b>Map System:</b> | Universal Transverse Mercator (US Survey Feet) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983                      |                      |                |
| <b>Map Zone:</b>   | Zone 13N (108 W to 102 W)                      |                      |                |

|                       |  |              |                    |                   |             |
|-----------------------|--|--------------|--------------------|-------------------|-------------|
| Site                  | 3N-65W-28 Cheese 1-28HZ Pad, SECTION 28 T3N R65W |              |                    |                   |             |
| Site Position:        |  | Northing:    | 14,600,657.57 usft | Latitude:         | 40.202514   |
| From:                 | Lat/Long   | Easting:     | 1,734,684.02 usft  | Longitude:        | -104.662393 |
| Position Uncertainty: | 0.00 usft  | Slot Radius: | 13.200 in          | Grid Convergence: | 0.22 °      |

| Well                 |       | Cheese 38N-28HZ, 429' FSL 800' FEL |                     |                    |               |               |
|----------------------|-------|------------------------------------|---------------------|--------------------|---------------|---------------|
| Well Position        | +N/-S | 0.00 usft                          | Northing:           | 14,600,657.12 usft | Latitude:     | 40.202512     |
|                      | +E/-W | 0.00 usft                          | Easting:            | 1,734,759.13 usft  | Longitude:    | -104.662124   |
| Position Uncertainty |       | 0.00 usft                          | Wellhead Elevation: | 0.00 usft          | Ground Level: | 4,816.99 usft |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Plan A            |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 10/9/2014          | 8.35                   | 66.79                | 52,689                     |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <b>Design</b>            | Plan A                         |                     |                     |                      |      |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |      |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                           | 0.00                | 0.00                | 179.92               |      |

|                       |                  |                                    |                      |                               |  |
|-----------------------|------------------|------------------------------------|----------------------|-------------------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 6/3/2015                           |                      |                               |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b>           | <b>Tool Name</b>     | <b>Description</b>            |  |
| 20.00                 | 1,195.00         | Survey #1 CATHEDRAL MWD SURFACE    | APC_ISCWSA REV 2 MWD | Fixed:v2:standard declination |  |
| 1,279.00              | 12,719.00        | Survey #2 SDI MWD PRODUCTION (Plan | APC_ISCWSA REV 2 MWD | Fixed:v2:standard declination |  |

|   |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
|---|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| <b>Survey</b>                             |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| <b>Measured Depth (usft)</b>              | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |  |
| 0.00                                      | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 20.00                                     | 0.00                   | 0.00               | 20.00                        | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 103.00                                    | 0.20                   | 184.70             | 103.00                       | -0.14               | -0.01               | 0.14                           | 0.24                           | 0.24                          | 0.00                         |  |
| <b>FIRST CATHEDRAL MWD SURFACE SURVEY</b> |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| 165.00                                    | 0.20                   | 193.40             | 165.00                       | -0.36               | -0.05               | 0.36                           | 0.05                           | 0.00                          | 14.03                        |  |
| 224.00                                    | 0.20                   | 180.60             | 224.00                       | -0.56               | -0.07               | 0.56                           | 0.08                           | 0.00                          | -21.69                       |  |
| 282.00                                    | 0.30                   | 192.40             | 282.00                       | -0.81               | -0.10               | 0.81                           | 0.19                           | 0.17                          | 20.34                        |  |
| 343.00                                    | 0.30                   | 17.30              | 343.00                       | -0.81               | -0.09               | 0.81                           | 0.98                           | 0.00                          | -287.05                      |  |
| 407.00                                    | 1.20                   | 21.30              | 406.99                       | -0.03               | 0.20                | 0.03                           | 1.41                           | 1.41                          | 6.25                         |  |
| 471.00                                    | 1.90                   | 25.00              | 470.97                       | 1.56                | 0.89                | -1.56                          | 1.10                           | 1.09                          | 5.78                         |  |

|                  |                                |                                     |  |
|------------------|--------------------------------|-------------------------------------|--|
| <b>Company:</b>  | US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> | Well Cheese 38N-28HZ                   |
| <b>Project:</b>  | WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b>               | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Site:</b>     | 3N-65W-28 Cheese 1-28HZ Pad    | <b>MD Reference:</b>                | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Well:</b>     | Cheese 38N-28HZ                | <b>North Reference:</b>             | True                                   |
| <b>Wellbore:</b> | Plan A                         | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | Plan A                         | <b>Database:</b>                    | Denver Sales                           |

| Survey                            |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft)             | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 535.00                            | 2.70            | 21.50       | 534.92                | 3.92         | 1.89         | -3.92                   | 1.27                    | 1.25                   | -5.47                 |  |
| 599.00                            | 3.50            | 22.40       | 598.82                | 7.13         | 3.19         | -7.13                   | 1.25                    | 1.25                   | 1.41                  |  |
| 663.00                            | 4.30            | 18.60       | 662.67                | 11.21        | 4.70         | -11.20                  | 1.31                    | 1.25                   | -5.94                 |  |
| 727.00                            | 5.10            | 18.90       | 726.46                | 16.18        | 6.39         | -16.17                  | 1.25                    | 1.25                   | 0.47                  |  |
| 790.00                            | 5.70            | 22.80       | 789.18                | 21.71        | 8.51         | -21.70                  | 1.12                    | 0.95                   | 6.19                  |  |
| 854.00                            | 6.70            | 24.80       | 852.80                | 28.03        | 11.31        | -28.01                  | 1.60                    | 1.56                   | 3.13                  |  |
| 918.00                            | 8.00            | 27.00       | 916.27                | 35.39        | 14.89        | -35.36                  | 2.08                    | 2.03                   | 3.44                  |  |
| 980.00                            | 9.30            | 25.00       | 977.57                | 43.77        | 18.97        | -43.74                  | 2.15                    | 2.10                   | -3.23                 |  |
| 1,044.00                          | 9.90            | 27.50       | 1,040.67              | 53.34        | 23.70        | -53.30                  | 1.14                    | 0.94                   | 3.91                  |  |
| 1,109.00                          | 10.50           | 27.90       | 1,104.64              | 63.53        | 29.05        | -63.49                  | 0.93                    | 0.92                   | 0.62                  |  |
| 1,172.00                          | 11.50           | 27.60       | 1,166.49              | 74.17        | 34.64        | -74.12                  | 1.59                    | 1.59                   | -0.48                 |  |
| 1,195.00                          | 12.00           | 28.10       | 1,189.00              | 78.31        | 36.83        | -78.26                  | 2.22                    | 2.17                   | 2.17                  |  |
| LAST CATHEDRAL MWD SURFACE SURVEY |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 1,208.00                          | 12.09           | 28.42       | 1,201.72              | 80.70        | 38.12        | -80.64                  | 0.86                    | 0.70                   | 2.43                  |  |
| 9 5/8"                            |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 1,279.00                          | 12.59           | 30.06       | 1,271.08              | 93.93        | 45.53        | -93.87                  | 0.86                    | 0.70                   | 2.32                  |  |
| FIRST SDI MWD PRODUCTION SURVEY   |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 1,373.00                          | 14.27           | 30.76       | 1,362.51              | 112.76       | 56.59        | -112.68                 | 1.80                    | 1.79                   | 0.74                  |  |
| 1,468.00                          | 15.03           | 25.77       | 1,454.42              | 133.91       | 67.93        | -133.82                 | 1.55                    | 0.80                   | -5.25                 |  |
| 1,562.00                          | 16.18           | 25.28       | 1,544.95              | 156.73       | 78.82        | -156.62                 | 1.23                    | 1.22                   | -0.52                 |  |
| 1,657.00                          | 15.51           | 22.83       | 1,636.34              | 180.41       | 89.40        | -180.28                 | 1.00                    | -0.71                  | -2.58                 |  |
| 1,751.00                          | 14.65           | 22.27       | 1,727.11              | 202.99       | 98.79        | -202.85                 | 0.93                    | -0.91                  | -0.60                 |  |
| 1,846.00                          | 15.98           | 23.93       | 1,818.73              | 226.06       | 108.64       | -225.91                 | 1.47                    | 1.40                   | 1.75                  |  |
| 1,940.00                          | 15.70           | 22.34       | 1,909.16              | 249.65       | 118.73       | -249.49                 | 0.55                    | -0.30                  | -1.69                 |  |
| 2,034.00                          | 15.40           | 21.91       | 1,999.72              | 273.00       | 128.22       | -272.82                 | 0.34                    | -0.32                  | -0.46                 |  |
| 2,128.00                          | 15.86           | 27.37       | 2,090.25              | 295.99       | 138.78       | -295.79                 | 1.64                    | 0.49                   | 5.81                  |  |
| 2,223.00                          | 15.63           | 27.84       | 2,181.69              | 318.83       | 150.73       | -318.62                 | 0.28                    | -0.24                  | 0.49                  |  |
| 2,317.00                          | 15.29           | 27.45       | 2,272.28              | 341.03       | 162.35       | -340.80                 | 0.38                    | -0.36                  | -0.41                 |  |
| 2,412.00                          | 15.64           | 26.51       | 2,363.84              | 363.60       | 173.84       | -363.36                 | 0.45                    | 0.37                   | -0.99                 |  |
| 2,506.00                          | 14.58           | 27.66       | 2,454.59              | 385.42       | 184.99       | -385.16                 | 1.17                    | -1.13                  | 1.22                  |  |
| 2,601.00                          | 15.50           | 28.84       | 2,546.34              | 407.13       | 196.67       | -406.86                 | 1.02                    | 0.97                   | 1.24                  |  |
| 2,695.00                          | 15.35           | 23.30       | 2,636.96              | 429.56       | 207.65       | -429.27                 | 1.58                    | -0.16                  | -5.89                 |  |
| 2,790.00                          | 16.10           | 27.76       | 2,728.40              | 452.77       | 218.76       | -452.46                 | 1.50                    | 0.79                   | 4.69                  |  |
| 2,884.00                          | 15.65           | 27.20       | 2,818.82              | 475.58       | 230.62       | -475.26                 | 0.51                    | -0.48                  | -0.60                 |  |
| 2,979.00                          | 16.56           | 28.08       | 2,910.09              | 498.92       | 242.85       | -498.58                 | 0.99                    | 0.96                   | 0.93                  |  |
| 3,073.00                          | 16.13           | 27.36       | 3,000.29              | 522.34       | 255.16       | -521.98                 | 0.51                    | -0.46                  | -0.77                 |  |
| 3,168.00                          | 15.10           | 27.95       | 3,091.78              | 544.99       | 267.02       | -544.61                 | 1.10                    | -1.08                  | 0.62                  |  |
| 3,262.00                          | 14.93           | 24.52       | 3,182.58              | 566.82       | 277.79       | -566.43                 | 0.96                    | -0.18                  | -3.65                 |  |
| 3,357.00                          | 14.65           | 24.86       | 3,274.43              | 588.85       | 287.92       | -588.45                 | 0.31                    | -0.29                  | 0.36                  |  |
| 3,451.00                          | 14.59           | 21.39       | 3,365.39              | 610.66       | 297.23       | -610.25                 | 0.93                    | -0.06                  | -3.69                 |  |
| 3,546.00                          | 15.13           | 23.53       | 3,457.21              | 633.17       | 306.55       | -632.74                 | 0.81                    | 0.57                   | 2.25                  |  |
| 3,640.00                          | 16.51           | 24.18       | 3,547.65              | 656.61       | 316.91       | -656.16                 | 1.48                    | 1.47                   | 0.69                  |  |
| 3,735.00                          | 16.14           | 21.66       | 3,638.82              | 681.19       | 327.32       | -680.74                 | 0.84                    | -0.39                  | -2.65                 |  |
| 3,829.00                          | 15.94           | 20.23       | 3,729.16              | 705.45       | 336.60       | -704.98                 | 0.47                    | -0.21                  | -1.52                 |  |

|                  |                                |                                     |  |
|------------------|--------------------------------|-------------------------------------|--|
| <b>Company:</b>  | US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> | Well Cheese 38N-28HZ                   |
| <b>Project:</b>  | WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b>               | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Site:</b>     | 3N-65W-28 Cheese 1-28HZ Pad    | <b>MD Reference:</b>                | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Well:</b>     | Cheese 38N-28HZ                | <b>North Reference:</b>             | True                                   |
| <b>Wellbore:</b> | Plan A                         | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | Plan A                         | <b>Database:</b>                    | Denver Sales                           |

| Survey                             |                 |             |                       |              |              |                         |                         |                        |                       |
|------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)              | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 3,924.00                           | 17.55           | 20.87       | 3,820.13              | 731.07       | 346.22       | -730.59                 | 1.71                    | 1.69                   | 0.67                  |
| 4,018.00                           | 16.65           | 26.55       | 3,909.98              | 756.36       | 357.29       | -755.86                 | 2.02                    | -0.96                  | 6.04                  |
| 4,112.00                           | 16.52           | 26.35       | 4,000.07              | 780.39       | 369.24       | -779.87                 | 0.15                    | -0.14                  | -0.21                 |
| 4,207.00                           | 15.97           | 25.70       | 4,091.27              | 804.27       | 380.90       | -803.73                 | 0.61                    | -0.58                  | -0.68                 |
| 4,301.00                           | 14.66           | 25.83       | 4,181.93              | 826.63       | 391.69       | -826.08                 | 1.39                    | -1.39                  | 0.14                  |
| 4,396.00                           | 15.77           | 21.71       | 4,273.61              | 849.44       | 401.70       | -848.88                 | 1.63                    | 1.17                   | -4.34                 |
| 4,490.00                           | 13.71           | 19.71       | 4,364.51              | 871.80       | 410.19       | -871.22                 | 2.26                    | -2.19                  | -2.13                 |
| 4,584.00                           | 13.64           | 25.29       | 4,455.85              | 892.31       | 418.68       | -891.72                 | 1.40                    | -0.07                  | 5.94                  |
| 4,679.00                           | 14.47           | 27.19       | 4,548.00              | 912.99       | 428.89       | -912.39                 | 1.00                    | 0.87                   | 2.00                  |
| 4,773.00                           | 14.94           | 22.32       | 4,638.93              | 934.65       | 438.86       | -934.03                 | 1.41                    | 0.50                   | -5.18                 |
| 4,868.00                           | 12.19           | 20.45       | 4,731.27              | 955.38       | 447.01       | -954.75                 | 2.93                    | -2.89                  | -1.97                 |
| 4,962.00                           | 12.27           | 19.30       | 4,823.14              | 974.10       | 453.78       | -973.47                 | 0.27                    | 0.09                   | -1.22                 |
| 5,057.00                           | 10.61           | 25.89       | 4,916.25              | 991.50       | 460.94       | -990.86                 | 2.22                    | -1.75                  | 6.94                  |
| 5,151.00                           | 9.10            | 27.44       | 5,008.86              | 1,005.89     | 468.14       | -1,005.23               | 1.63                    | -1.61                  | 1.65                  |
| 5,246.00                           | 7.15            | 21.02       | 5,102.90              | 1,018.07     | 473.73       | -1,017.41               | 2.26                    | -2.05                  | -6.76                 |
| 5,340.00                           | 3.91            | 20.56       | 5,196.45              | 1,026.54     | 476.95       | -1,025.87               | 3.45                    | -3.45                  | -0.49                 |
| 5,435.00                           | 1.22            | 353.82      | 5,291.35              | 1,030.58     | 477.98       | -1,029.91               | 3.02                    | -2.83                  | -28.15                |
| 5,529.00                           | 1.04            | 350.15      | 5,385.33              | 1,032.41     | 477.73       | -1,031.74               | 0.21                    | -0.19                  | -3.90                 |
| 5,624.00                           | 1.15            | 332.88      | 5,480.32              | 1,034.11     | 477.14       | -1,033.44               | 0.36                    | 0.12                   | -18.18                |
| 5,719.00                           | 1.03            | 36.51       | 5,575.30              | 1,035.64     | 477.22       | -1,034.98               | 1.21                    | -0.13                  | 66.98                 |
| 5,813.00                           | 1.39            | 15.82       | 5,669.28              | 1,037.42     | 478.03       | -1,036.75               | 0.60                    | 0.38                   | -22.01                |
| 5,908.00                           | 1.49            | 14.09       | 5,764.25              | 1,039.73     | 478.65       | -1,039.06               | 0.11                    | 0.11                   | -1.82                 |
| 6,002.00                           | 0.88            | 120.71      | 5,858.24              | 1,040.54     | 479.56       | -1,039.87               | 2.06                    | -0.65                  | 113.43                |
| 6,097.00                           | 1.19            | 60.12       | 5,953.23              | 1,040.66     | 481.05       | -1,039.99               | 1.13                    | 0.33                   | -63.78                |
| 6,191.00                           | 0.98            | 41.66       | 6,047.21              | 1,041.75     | 482.43       | -1,041.07               | 0.43                    | -0.22                  | -19.64                |
| 6,286.00                           | 0.54            | 145.28      | 6,142.20              | 1,041.99     | 483.22       | -1,041.31               | 1.29                    | -0.46                  | 109.07                |
| 6,380.00                           | 0.47            | 102.55      | 6,236.20              | 1,041.54     | 483.85       | -1,040.86               | 0.40                    | -0.07                  | -45.46                |
| 6,475.00                           | 0.77            | 79.85       | 6,331.19              | 1,041.57     | 484.86       | -1,040.89               | 0.40                    | 0.32                   | -23.89                |
| 6,569.00                           | 11.85           | 172.49      | 6,424.53              | 1,032.08     | 486.75       | -1,031.40               | 12.67                   | 11.79                  | 98.55                 |
| 6,664.00                           | 16.97           | 153.03      | 6,516.56              | 1,010.02     | 494.32       | -1,009.33               | 7.35                    | 5.39                   | -20.48                |
| 6,758.00                           | 22.63           | 163.30      | 6,604.99              | 980.44       | 505.75       | -979.73                 | 7.05                    | 6.02                   | 10.93                 |
| 6,853.00                           | 28.47           | 172.43      | 6,690.70              | 940.44       | 514.00       | -939.72                 | 7.40                    | 6.15                   | 9.61                  |
| 6,947.00                           | 40.28           | 177.76      | 6,768.16              | 887.67       | 518.15       | -886.94                 | 12.95                   | 12.56                  | 5.67                  |
| 6,987.00                           | 44.32           | 176.96      | 6,797.74              | 860.78       | 519.40       | -860.06                 | 10.20                   | 10.11                  | -2.00                 |
| TOP OF PRODUCTION(431 FSL 274 FEL) |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,042.00                           | 49.89           | 176.03      | 6,835.16              | 820.58       | 521.88       | -819.85                 | 10.20                   | 10.12                  | -1.69                 |
| 7,136.00                           | 56.75           | 178.23      | 6,891.28              | 745.34       | 525.58       | -744.60                 | 7.53                    | 7.30                   | 2.34                  |
| 7,231.00                           | 62.92           | 186.10      | 6,939.05              | 663.40       | 522.31       | -662.67                 | 9.66                    | 6.49                   | 8.28                  |
| 7,325.00                           | 70.99           | 187.53      | 6,975.82              | 577.59       | 512.02       | -576.88                 | 8.70                    | 8.59                   | 1.52                  |
| 7,420.00                           | 77.13           | 187.17      | 7,001.90              | 487.04       | 500.35       | -486.34                 | 6.47                    | 6.46                   | -0.38                 |
| 7,514.00                           | 82.01           | 184.73      | 7,018.91              | 395.13       | 490.78       | -394.44                 | 5.78                    | 5.19                   | -2.60                 |
| 7,609.00                           | 88.49           | 181.34      | 7,026.78              | 300.65       | 485.79       | -299.97                 | 7.69                    | 6.82                   | -3.57                 |
| LANDING PT.(130 FNL 312 FEL)       |                 |             |                       |              |              |                         |                         |                        |                       |

|                  |                                |                                     |  |
|------------------|--------------------------------|-------------------------------------|--|
| <b>Company:</b>  | US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> | Well Cheese 38N-28HZ                   |
| <b>Project:</b>  | WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b>               | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Site:</b>     | 3N-65W-28 Cheese 1-28HZ Pad    | <b>MD Reference:</b>                | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Well:</b>     | Cheese 38N-28HZ                | <b>North Reference:</b>             | True                                   |
| <b>Wellbore:</b> | Plan A                         | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | Plan A                         | <b>Database:</b>                    | Denver Sales                           |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 7,703.00              | 89.90           | 180.39      | 7,028.10              | 206.67       | 484.37       | -206.00                 | 1.81                    | 1.50                   | -1.01                 |  |
| 7,798.00              | 91.14           | 179.43      | 7,027.24              | 111.68       | 484.52       | -111.00                 | 1.65                    | 1.31                   | -1.01                 |  |
| 7,893.00              | 91.44           | 180.65      | 7,025.10              | 16.70        | 484.45       | -16.03                  | 1.32                    | 0.32                   | 1.28                  |  |
| 7,987.00              | 89.40           | 180.11      | 7,024.41              | -77.29       | 483.83       | 77.96                   | 2.24                    | -2.17                  | -0.57                 |  |
| 8,081.00              | 89.80           | 180.49      | 7,025.06              | -171.28      | 483.34       | 171.96                  | 0.59                    | 0.43                   | 0.40                  |  |
| 8,176.00              | 90.30           | 179.19      | 7,024.98              | -266.28      | 483.60       | 266.95                  | 1.47                    | 0.53                   | -1.37                 |  |
| 8,270.00              | 89.36           | 180.47      | 7,025.26              | -360.27      | 483.88       | 360.95                  | 1.69                    | -1.00                  | 1.36                  |  |
| 8,365.00              | 90.47           | 179.96      | 7,025.40              | -455.27      | 483.52       | 455.95                  | 1.29                    | 1.17                   | -0.54                 |  |
| 8,459.00              | 91.01           | 179.10      | 7,024.19              | -549.26      | 484.29       | 549.94                  | 1.08                    | 0.57                   | -0.91                 |  |
| 8,554.00              | 89.23           | 179.54      | 7,023.99              | -644.25      | 485.42       | 644.93                  | 1.93                    | -1.87                  | 0.46                  |  |
| 8,648.00              | 89.73           | 180.26      | 7,024.84              | -738.24      | 485.59       | 738.92                  | 0.93                    | 0.53                   | 0.77                  |  |
| 8,743.00              | 90.81           | 180.23      | 7,024.39              | -833.24      | 485.18       | 833.92                  | 1.14                    | 1.14                   | -0.03                 |  |
| 8,837.00              | 89.50           | 179.60      | 7,024.14              | -927.24      | 485.32       | 927.91                  | 1.55                    | -1.39                  | -0.67                 |  |
| 8,932.00              | 90.57           | 180.00      | 7,024.08              | -1,022.24    | 485.65       | 1,022.91                | 1.20                    | 1.13                   | 0.42                  |  |
| 9,026.00              | 91.48           | 179.76      | 7,022.40              | -1,116.22    | 485.85       | 1,116.90                | 1.00                    | 0.97                   | -0.26                 |  |
| 9,121.00              | 89.40           | 179.05      | 7,021.67              | -1,211.21    | 486.83       | 1,211.88                | 2.31                    | -2.19                  | -0.75                 |  |
| 9,215.00              | 90.00           | 178.59      | 7,022.16              | -1,305.18    | 488.77       | 1,305.86                | 0.80                    | 0.64                   | -0.49                 |  |
| 9,310.00              | 90.10           | 179.65      | 7,022.08              | -1,400.17    | 490.23       | 1,400.85                | 1.12                    | 0.11                   | 1.12                  |  |
| 9,405.00              | 90.54           | 178.27      | 7,021.55              | -1,495.15    | 491.95       | 1,495.84                | 1.52                    | 0.46                   | -1.45                 |  |
| 9,499.00              | 90.20           | 179.70      | 7,020.94              | -1,589.13    | 493.62       | 1,589.82                | 1.56                    | -0.36                  | 1.52                  |  |
| 9,594.00              | 89.90           | 182.11      | 7,020.86              | -1,684.11    | 492.12       | 1,684.80                | 2.56                    | -0.32                  | 2.54                  |  |
| 9,688.00              | 90.87           | 182.76      | 7,020.23              | -1,778.02    | 488.12       | 1,778.70                | 1.24                    | 1.03                   | 0.69                  |  |
| 9,783.00              | 89.56           | 181.89      | 7,019.87              | -1,872.94    | 484.27       | 1,873.62                | 1.66                    | -1.38                  | -0.92                 |  |
| 9,877.00              | 89.97           | 181.79      | 7,020.26              | -1,966.89    | 481.25       | 1,967.56                | 0.45                    | 0.44                   | -0.11                 |  |
| 9,972.00              | 90.74           | 182.61      | 7,019.67              | -2,061.82    | 477.60       | 2,062.48                | 1.18                    | 0.81                   | 0.86                  |  |
| 10,066.00             | 89.19           | 181.77      | 7,019.73              | -2,155.75    | 474.01       | 2,156.41                | 1.88                    | -1.65                  | -0.89                 |  |
| 10,160.00             | 90.74           | 180.51      | 7,019.78              | -2,249.72    | 472.14       | 2,250.38                | 2.12                    | 1.65                   | -1.34                 |  |
| 10,255.00             | 90.07           | 178.47      | 7,019.11              | -2,344.71    | 472.99       | 2,345.37                | 2.26                    | -0.71                  | -2.15                 |  |
| 10,350.00             | 90.97           | 178.12      | 7,018.25              | -2,439.67    | 475.81       | 2,440.33                | 1.02                    | 0.95                   | -0.37                 |  |
| 10,444.00             | 89.16           | 178.06      | 7,018.14              | -2,533.61    | 478.95       | 2,534.28                | 1.93                    | -1.93                  | -0.06                 |  |
| 10,539.00             | 89.43           | 179.01      | 7,019.31              | -2,628.57    | 481.38       | 2,629.24                | 1.04                    | 0.28                   | 1.00                  |  |
| 10,633.00             | 90.54           | 179.50      | 7,019.34              | -2,722.56    | 482.60       | 2,723.23                | 1.29                    | 1.18                   | 0.52                  |  |
| 10,727.00             | 89.36           | 178.67      | 7,019.42              | -2,816.55    | 484.10       | 2,817.22                | 1.53                    | -1.26                  | -0.88                 |  |
| 10,822.00             | 89.19           | 178.53      | 7,020.62              | -2,911.51    | 486.42       | 2,912.19                | 0.23                    | -0.18                  | -0.15                 |  |
| 10,916.00             | 89.77           | 178.45      | 7,021.47              | -3,005.47    | 488.90       | 3,006.15                | 0.62                    | 0.62                   | -0.09                 |  |
| 11,011.00             | 89.83           | 177.77      | 7,021.80              | -3,100.42    | 492.03       | 3,101.10                | 0.72                    | 0.06                   | -0.72                 |  |
| 11,105.00             | 88.55           | 180.07      | 7,023.13              | -3,194.39    | 493.80       | 3,195.07                | 2.80                    | -1.36                  | 2.45                  |  |
| 11,200.00             | 89.43           | 180.72      | 7,024.81              | -3,289.37    | 493.15       | 3,290.05                | 1.15                    | 0.93                   | 0.68                  |  |
| 11,294.00             | 89.83           | 180.11      | 7,025.42              | -3,383.36    | 492.47       | 3,384.05                | 0.78                    | 0.43                   | -0.65                 |  |
| 11,389.00             | 90.03           | 180.57      | 7,025.53              | -3,478.36    | 491.90       | 3,479.04                | 0.53                    | 0.21                   | 0.48                  |  |
| 11,483.00             | 91.04           | 180.34      | 7,024.65              | -3,572.35    | 491.16       | 3,573.03                | 1.10                    | 1.07                   | -0.24                 |  |
| 11,578.00             | 91.31           | 178.70      | 7,022.71              | -3,667.32    | 491.95       | 3,668.01                | 1.75                    | 0.28                   | -1.73                 |  |
| 11,672.00             | 88.62           | 179.20      | 7,022.76              | -3,761.30    | 493.67       | 3,761.99                | 2.91                    | -2.86                  | 0.53                  |  |
| 11,767.00             | 89.43           | 179.76      | 7,024.38              | -3,856.28    | 494.54       | 3,856.97                | 1.04                    | 0.85                   | 0.59                  |  |

|                  |                                |                                     |  |
|------------------|--------------------------------|-------------------------------------|--|
| <b>Company:</b>  | US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> | Well Cheese 38N-28HZ                   |
| <b>Project:</b>  | WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b>               | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Site:</b>     | 3N-65W-28 Cheese 1-28HZ Pad    | <b>MD Reference:</b>                | GL 4817 & KB 25 @ 4841.99usft (HP 307) |
| <b>Well:</b>     | Cheese 38N-28HZ                | <b>North Reference:</b>             | True                                   |
| <b>Wellbore:</b> | Plan A                         | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | Plan A                         | <b>Database:</b>                    | Denver Sales                           |

| Survey                               |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,861.00                            | 89.90           | 179.12      | 7,024.93              | -3,950.27    | 495.45       | 3,950.96                | 0.84                    | 0.50                   | -0.68                 |
| 11,956.00                            | 91.17           | 178.52      | 7,024.04              | -4,045.25    | 497.41       | 4,045.94                | 1.48                    | 1.34                   | -0.63                 |
| 12,050.00                            | 89.63           | 178.55      | 7,023.39              | -4,139.21    | 499.81       | 4,139.91                | 1.64                    | -1.64                  | 0.03                  |
| 12,145.00                            | 90.71           | 178.20      | 7,023.10              | -4,234.17    | 502.51       | 4,234.87                | 1.20                    | 1.14                   | -0.37                 |
| 12,239.00                            | 90.54           | 179.71      | 7,022.08              | -4,328.15    | 504.22       | 4,328.85                | 1.62                    | -0.18                  | 1.61                  |
| 12,334.00                            | 91.07           | 179.52      | 7,020.74              | -4,423.14    | 504.86       | 4,423.84                | 0.59                    | 0.56                   | -0.20                 |
| 12,428.00                            | 89.66           | 180.56      | 7,020.14              | -4,517.13    | 504.79       | 4,517.83                | 1.86                    | -1.50                  | 1.11                  |
| 12,523.00                            | 90.54           | 180.67      | 7,019.98              | -4,612.12    | 503.78       | 4,612.82                | 0.93                    | 0.93                   | 0.12                  |
| 12,617.00                            | 91.68           | 179.81      | 7,018.16              | -4,706.10    | 503.38       | 4,706.80                | 1.52                    | 1.21                   | -0.91                 |
| 12,659.00                            | 91.98           | 179.70      | 7,016.82              | -4,748.08    | 503.56       | 4,748.78                | 0.76                    | 0.71                   | -0.26                 |
| LAST SDI MWD PRODUCTION SURVEY       |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,719.00                            | 91.98           | 179.70      | 7,014.74              | -4,808.04    | 503.87       | 4,808.74                | 0.00                    | 0.00                   | 0.00                  |
| SDI PROJECTION TO TD(48 FSL 316 FEL) |                 |             |                       |              |              |                         |                         |                        |                       |

| Casing Points         |                       |        |                      |                    |  |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name   | Casing Diameter (in) | Hole Diameter (in) |  |
| 1,208.00              | 1,201.72              | 9 5/8" | 9.625                | 13.500             |  |

| Design Annotations    |                       |                   |              |                                      |  |
|-----------------------|-----------------------|-------------------|--------------|--------------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                              |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                      |  |
| 103.00                | 103.00                | -0.14             | -0.01        | FIRST CATHEDRAL MWD SURFACE SURVEY   |  |
| 1,195.00              | 1,189.00              | 78.31             | 36.83        | LAST CATHEDRAL MWD SURFACE SURVEY    |  |
| 1,279.00              | 1,271.08              | 93.93             | 45.53        | FIRST SDI MWD PRODUCTION SURVEY      |  |
| 6,987.00              | 6,797.74              | 860.78            | 519.40       | TOP OF PRODUCTION(431 FSL 274 FEL)   |  |
| 7,609.00              | 7,026.78              | 300.65            | 485.79       | LANDING PT.(130 FNL 312 FEL)         |  |
| 12,659.00             | 7,016.82              | -4,748.08         | 503.56       | LAST SDI MWD PRODUCTION SURVEY       |  |
| 12,719.00             | 7,014.74              | -4,808.04         | 503.87       | SDI PROJECTION TO TD(48 FSL 316 FEL) |  |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_