



# Precision Drilling Corporation

## Survey Report

|  |   |
|--|---|
| <b>Company:</b> US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> Well #3C-26HZ         |
| <b>Project:</b> WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b> 4890'GL+20'KB @ 4910.00usft (PD460) |
| <b>Site:</b> GE Powers Pad                     | <b>MD Reference:</b> 4890'GL+20'KB @ 4910.00usft (PD460)  |
| <b>Well:</b> #3C-26HZ                          | <b>North Reference:</b> True                              |
| <b>Wellbore:</b> Original Hole                 | <b>Survey Calculation Method:</b> Minimum Curvature       |
| <b>Design:</b> Original Hole                   | <b>Database:</b> Compass_US                               |

|   |                                     |
|---|-------------------------------------|
| <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)                        |                                     |

|  |                                     |                                   |
|--|-------------------------------------|-----------------------------------|
| <b>Site</b> GE Powers Pad              |                                     |                                   |
| <b>Site Position:</b>                  | <b>Northing:</b> 14,574,369.28 usft | <b>Latitude:</b> 40° 7' 48.88 N   |
| <b>From:</b> Lat/Long                  | <b>Easting:</b> 1,742,212.01 usft   | <b>Longitude:</b> 104° 38' 8.95 W |
| <b>Position Uncertainty:</b> 0.00 usft | <b>Slot Radius:</b> 13.20 in        | <b>Grid Convergence:</b> 0.23 °   |

|                                       |                                      |                                    |
|---------------------------------------|--------------------------------------|------------------------------------|
| <b>Well</b> #3C-26HZ                  |                                      |                                    |
| <b>Well Position</b> +N-S 0.00 usft   | <b>Northing:</b> 14,574,369.12 usft  | <b>Latitude:</b> 40° 7' 48.87 N    |
| +E-W 0.00 usft                        | <b>Easting:</b> 1,742,272.11 usft    | <b>Longitude:</b> 104° 38' 8.17 W  |
| <b>Position Uncertainty</b> 3.28 usft | <b>Wellhead Elevation:</b> 0.00 usft | <b>Ground Level:</b> 4,890.00 usft |

|                               |                   |                    |                        |                      |                            |
|-------------------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <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> |
|                               | IGRF2015          | 09/01/15           | 8.31                   | 66.70                | 52,469                     |

|                             |                                |                           |                    |                      |  |
|-----------------------------|--------------------------------|---------------------------|--------------------|----------------------|--|
| <b>Design</b> Original Hole |                                |                           |                    |                      |  |
| <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               | 180.01               |  |

|                       |                  |                           |  |                    |
|-----------------------|------------------|---------------------------|--|--------------------|
| <b>Survey Program</b> |                  | <b>Date</b> 11/04/15      |  |                    |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b>  | <b>Tool Name</b>                                       | <b>Description</b> |
| 117.00                | 1,771.00         | Survey #1 (Original Hole) | APC_ISCWSA REV 2 MV Fixed:v2:standard declination      |                    |
| 1,870.00              | 12,193.00        | Survey #4 (Original Hole) | APC_ISCWSA REV 2 MV Fixed:v2:crustal field declination |                    |
| 12,258.00             | 12,258.00        | Survey #5 (Original Hole) | APC_BLIND  | OWSG BLIND         |

|                              |                        |                    |                              |                    |                    |                                |                                |                               |                              |      |
|------------------------------|------------------------|--------------------|------------------------------|--------------------|--------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|------|
| <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                         | 0.00 |
| <b>Surface #3C-26HZ</b>      |                        |                    |                              |                    |                    |                                |                                |                               |                              |      |
| 117.00                       | 0.90                   | 143.34             | 117.00                       | -0.74              | 0.55               | 0.74                           | 0.77                           | 0.77                          | 0.00                         |      |
| 206.00                       | 1.42                   | 78.15              | 205.98                       | -1.07              | 2.05               | 1.07                           | 1.49                           | 0.58                          | -73.25                       |      |
| 297.00                       | 1.75                   | 67.10              | 296.95                       | -0.30              | 4.43               | 0.30                           | 0.49                           | 0.36                          | -12.14                       |      |
| 420.00                       | 1.62                   | 80.58              | 419.89                       | 0.72               | 7.87               | -0.72                          | 0.34                           | -0.11                         | 10.96                        |      |
| 510.00                       | 2.51                   | 74.59              | 509.83                       | 1.45               | 11.03              | -1.45                          | 1.02                           | 0.99                          | -6.66                        |      |
| 600.00                       | 2.98                   | 81.08              | 599.73                       | 2.33               | 15.24              | -2.34                          | 0.63                           | 0.52                          | 7.21                         |      |
| 690.00                       | 3.51                   | 63.54              | 689.59                       | 3.92               | 20.02              | -3.93                          | 1.24                           | 0.59                          | -19.49                       |      |

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|                  |                                |                                     |                                     |
|------------------|--------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> | Well #3C-26HZ                       |
| <b>Project:</b>  | WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b>               | 4890'GL+20'KB @ 4910.00usft (PD460) |
| <b>Site:</b>     | GE Powers Pad                  | <b>MD Reference:</b>                | 4890'GL+20'KB @ 4910.00usft (PD460) |
| <b>Well:</b>     | #3C-26HZ                       | <b>North Reference:</b>             | True                                |
| <b>Wellbore:</b> | Original Hole                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | Original Hole                  | <b>Database:</b>                    | Compass_US                          |

| 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) |  |
| 825.00                | 5.87            | 59.66       | 824.13                | 9.25         | 29.68        | -9.26                   | 1.76                    | 1.75                   | -2.87                 |  |
| 915.00                | 7.05            | 67.32       | 913.56                | 13.71        | 38.75        | -13.72                  | 1.62                    | 1.31                   | 8.51                  |  |
| 1,006.00              | 8.70            | 68.75       | 1,003.69              | 18.36        | 50.31        | -18.37                  | 1.83                    | 1.81                   | 1.57                  |  |
| 1,096.00              | 9.43            | 69.14       | 1,092.57              | 23.45        | 63.55        | -23.46                  | 0.81                    | 0.81                   | 0.43                  |  |
| 1,186.00              | 9.66            | 75.82       | 1,181.33              | 27.92        | 77.76        | -27.94                  | 1.26                    | 0.26                   | 7.42                  |  |
| 1,276.00              | 9.72            | 82.44       | 1,270.04              | 30.77        | 92.61        | -30.79                  | 1.24                    | 0.07                   | 7.36                  |  |
| 1,411.00              | 11.81           | 74.39       | 1,402.67              | 35.99        | 117.22       | -36.01                  | 1.90                    | 1.55                   | -5.96                 |  |
| 1,501.00              | 11.58           | 78.86       | 1,490.80              | 40.22        | 134.95       | -40.24                  | 1.04                    | -0.26                  | 4.97                  |  |
| 1,591.00              | 11.70           | 79.24       | 1,578.95              | 43.66        | 152.78       | -43.69                  | 0.16                    | 0.13                   | 0.42                  |  |
| 1,681.00              | 11.80           | 80.79       | 1,667.07              | 46.84        | 170.83       | -46.87                  | 0.37                    | 0.11                   | 1.72                  |  |
| 1,771.00              | 12.30           | 77.34       | 1,755.08              | 50.41        | 189.27       | -50.45                  | 0.97                    | 0.56                   | -3.83                 |  |
| 1,870.00              | 12.40           | 77.66       | 1,851.79              | 55.00        | 209.94       | -55.03                  | 0.12                    | 0.10                   | 0.32                  |  |
| 1,965.00              | 11.78           | 76.78       | 1,944.69              | 59.39        | 229.34       | -59.44                  | 0.68                    | -0.65                  | -0.93                 |  |
| 2,058.00              | 11.26           | 78.19       | 2,035.81              | 63.42        | 247.47       | -63.47                  | 0.64                    | -0.56                  | 1.52                  |  |
| 2,153.00              | 10.02           | 77.14       | 2,129.18              | 67.16        | 264.61       | -67.21                  | 1.32                    | -1.31                  | -1.11                 |  |
| 2,344.00              | 11.52           | 81.35       | 2,316.81              | 73.73        | 299.67       | -73.78                  | 0.89                    | 0.79                   | 2.20                  |  |
| 2,534.00              | 10.20           | 77.31       | 2,503.41              | 80.28        | 334.84       | -80.34                  | 0.80                    | -0.69                  | -2.13                 |  |
| 2,627.00              | 9.67            | 70.81       | 2,595.01              | 84.66        | 350.25       | -84.72                  | 1.33                    | -0.57                  | -6.99                 |  |
| 2,721.00              | 8.97            | 66.77       | 2,687.77              | 90.14        | 364.44       | -90.20                  | 1.02                    | -0.74                  | -4.30                 |  |
| 2,816.00              | 8.18            | 63.43       | 2,781.71              | 96.09        | 377.29       | -96.15                  | 0.98                    | -0.83                  | -3.52                 |  |
| 2,911.00              | 7.65            | 58.68       | 2,875.81              | 102.40       | 388.73       | -102.46                 | 0.89                    | -0.56                  | -5.00                 |  |
| 3,006.00              | 7.30            | 55.34       | 2,970.00              | 109.11       | 399.10       | -109.18                 | 0.59                    | -0.37                  | -3.52                 |  |
| 3,101.00              | 6.77            | 50.94       | 3,064.28              | 116.08       | 408.41       | -116.15                 | 0.80                    | -0.56                  | -4.63                 |  |
| 3,196.00              | 8.00            | 59.91       | 3,158.50              | 122.92       | 418.48       | -122.99                 | 1.77                    | 1.29                   | 9.44                  |  |
| 3,291.00              | 7.56            | 64.48       | 3,252.62              | 128.93       | 429.84       | -129.00                 | 0.80                    | -0.46                  | 4.81                  |  |
| 3,386.00              | 7.30            | 54.99       | 3,346.83              | 135.08       | 440.43       | -135.16                 | 1.32                    | -0.27                  | -9.99                 |  |
| 3,481.00              | 7.47            | 75.55       | 3,441.06              | 140.09       | 451.35       | -140.16                 | 2.77                    | 0.18                   | 21.64                 |  |
| 3,576.00              | 7.30            | 70.63       | 3,535.27              | 143.63       | 463.02       | -143.71                 | 0.69                    | -0.18                  | -5.18                 |  |
| 3,671.00              | 7.03            | 67.29       | 3,629.53              | 147.87       | 474.08       | -147.96                 | 0.52                    | -0.28                  | -3.52                 |  |
| 3,766.00              | 5.89            | 86.80       | 3,723.94              | 150.39       | 484.31       | -150.48                 | 2.59                    | -1.20                  | 20.54                 |  |
| 3,860.00              | 2.90            | 91.90       | 3,817.65              | 150.58       | 491.51       | -150.67                 | 3.20                    | -3.18                  | 5.43                  |  |
| 3,956.00              | 0.62            | 83.29       | 3,913.60              | 150.56       | 494.45       | -150.65                 | 2.38                    | -2.38                  | -8.97                 |  |
| 4,051.00              | 0.97            | 89.79       | 4,008.59              | 150.63       | 495.76       | -150.71                 | 0.38                    | 0.37                   | 6.84                  |  |
| 4,147.00              | 0.97            | 96.82       | 4,104.58              | 150.53       | 497.38       | -150.62                 | 0.12                    | 0.00                   | 7.32                  |  |
| 4,241.00              | 1.32            | 233.05      | 4,198.57              | 149.79       | 497.31       | -149.87                 | 2.26                    | 0.37                   | 144.93                |  |
| 4,337.00              | 0.79            | 233.58      | 4,294.55              | 148.73       | 495.89       | -148.82                 | 0.55                    | -0.55                  | 0.55                  |  |
| 4,432.00              | 0.62            | 233.41      | 4,389.54              | 148.03       | 494.95       | -148.12                 | 0.18                    | -0.18                  | -0.18                 |  |
| 4,528.00              | 0.35            | 234.64      | 4,485.54              | 147.55       | 494.30       | -147.64                 | 0.28                    | -0.28                  | 1.28                  |  |
| 4,622.00              | 0.00            | 318.31      | 4,579.54              | 147.39       | 494.06       | -147.47                 | 0.37                    | -0.37                  | 0.00                  |  |
| 4,717.00              | 0.18            | 20.18       | 4,674.54              | 147.53       | 494.11       | -147.61                 | 0.19                    | 0.19                   | 0.00                  |  |
| 4,812.00              | 0.44            | 2.25        | 4,769.54              | 148.03       | 494.18       | -148.12                 | 0.29                    | 0.27                   | -18.87                |  |
| 4,908.00              | 0.97            | 23.87       | 4,865.53              | 149.14       | 494.52       | -149.23                 | 0.61                    | 0.55                   | 22.52                 |  |
| 5,002.00              | 1.49            | 39.34       | 4,959.51              | 150.82       | 495.62       | -150.90                 | 0.65                    | 0.55                   | 16.46                 |  |

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## Survey Report

|                  |                                |                                     |                                     |
|------------------|--------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> | Well #3C-26HZ                       |
| <b>Project:</b>  | WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b>               | 4890'GL+20'KB @ 4910.00usft (PD460) |
| <b>Site:</b>     | GE Powers Pad                  | <b>MD Reference:</b>                | 4890'GL+20'KB @ 4910.00usft (PD460) |
| <b>Well:</b>     | #3C-26HZ                       | <b>North Reference:</b>             | True                                |
| <b>Wellbore:</b> | Original Hole                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | Original Hole                  | <b>Database:</b>                    | Compass_US                          |

| Survey                              |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
|-------------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|--|
| Measured<br>Depth<br>(usft)         | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |  |
| 5,096.00                            | 2.29               | 47.43          | 5,053.46                    | 153.03          | 497.78          | -153.12                       | 0.90                          | 0.85                         | 8.61                        |  |
| 5,191.00                            | 0.70               | 67.12          | 5,148.42                    | 154.54          | 499.71          | -154.63                       | 1.73                          | -1.67                        | 20.73                       |  |
| 5,286.00                            | 0.70               | 43.74          | 5,243.41                    | 155.19          | 500.65          | -155.27                       | 0.30                          | 0.00                         | -24.61                      |  |
| 5,381.00                            | 2.11               | 233.58         | 5,338.40                    | 154.57          | 499.64          | -154.66                       | 2.95                          | 1.48                         | -179.12                     |  |
| 5,476.00                            | 1.93               | 233.93         | 5,433.34                    | 152.59          | 496.94          | -152.67                       | 0.19                          | -0.19                        | 0.37                        |  |
| 5,571.00                            | 1.58               | 237.27         | 5,528.29                    | 150.94          | 494.54          | -151.02                       | 0.38                          | -0.37                        | 3.52                        |  |
| 5,666.00                            | 1.06               | 247.47         | 5,623.27                    | 149.89          | 492.63          | -149.98                       | 0.60                          | -0.55                        | 10.74                       |  |
| 5,761.00                            | 0.62               | 243.25         | 5,718.26                    | 149.32          | 491.36          | -149.41                       | 0.47                          | -0.46                        | -4.44                       |  |
| 5,856.00                            | 0.44               | 263.82         | 5,813.25                    | 149.05          | 490.54          | -149.14                       | 0.27                          | -0.19                        | 21.65                       |  |
| 5,951.00                            | 0.26               | 336.59         | 5,908.25                    | 149.21          | 490.09          | -149.30                       | 0.46                          | -0.19                        | 76.60                       |  |
| 6,046.00                            | 0.18               | 117.04         | 6,003.25                    | 149.34          | 490.14          | -149.43                       | 0.44                          | -0.08                        | 147.84                      |  |
| 6,141.00                            | 0.18               | 114.40         | 6,098.25                    | 149.21          | 490.41          | -149.30                       | 0.01                          | 0.00                         | -2.78                       |  |
| 6,235.00                            | 0.00               | 39.17          | 6,192.25                    | 149.15          | 490.54          | -149.24                       | 0.19                          | -0.19                        | 0.00                        |  |
| 6,329.00                            | 0.18               | 34.95          | 6,286.25                    | 149.27          | 490.63          | -149.36                       | 0.19                          | 0.19                         | 0.00                        |  |
| 6,425.00                            | 0.35               | 17.02          | 6,382.25                    | 149.68          | 490.80          | -149.76                       | 0.19                          | 0.18                         | -18.68                      |  |
| 6,520.00                            | 5.98               | 168.19         | 6,477.09                    | 145.11          | 491.90          | -145.19                       | 6.62                          | 5.93                         | 159.13                      |  |
| 6,614.00                            | 13.81              | 164.32         | 6,569.62                    | 129.49          | 495.94          | -129.57                       | 8.36                          | 8.33                         | -4.12                       |  |
| 6,710.00                            | 21.54              | 173.11         | 6,661.03                    | 100.91          | 501.16          | -101.00                       | 8.50                          | 8.05                         | 9.16                        |  |
| 6,805.00                            | 29.90              | 178.21         | 6,746.55                    | 59.85           | 503.99          | -59.94                        | 9.10                          | 8.80                         | 5.37                        |  |
| 6,900.00                            | 40.80              | 184.01         | 6,823.94                    | 5.04            | 502.56          | -5.13                         | 11.99                         | 11.47                        | 6.11                        |  |
| 6,995.00                            | 50.91              | 182.96         | 6,890.02                    | -62.91          | 498.47          | 62.83                         | 10.67                         | 10.64                        | -1.11                       |  |
| 6,997.50                            | 51.10              | 182.93         | 6,891.60                    | -64.85          | 498.37          | 64.76                         | 7.74                          | 7.68                         | -1.22                       |  |
| <b>Land Box Entry #3C-26HZ Rev1</b> |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
| 7,090.00                            | 58.21              | 181.90         | 6,945.07                    | -140.19         | 495.23          | 140.10                        | 7.74                          | 7.68                         | -1.11                       |  |
| 7,183.00                            | 66.21              | 179.27         | 6,988.40                    | -222.38         | 494.46          | 222.30                        | 8.96                          | 8.60                         | -2.83                       |  |
| 7,278.00                            | 77.82              | 177.51         | 7,017.69                    | -312.54         | 497.04          | 312.46                        | 12.35                         | 12.22                        | -1.85                       |  |
| 7,373.00                            | 86.79              | 179.97         | 7,030.40                    | -406.56         | 499.08          | 406.48                        | 9.78                          | 9.44                         | 2.59                        |  |
| 7,468.00                            | 88.46              | 180.67         | 7,034.34                    | -501.48         | 498.55          | 501.39                        | 1.91                          | 1.76                         | 0.74                        |  |
| 7,533.00                            | 89.84              | 181.75         | 7,035.30                    | -566.45         | 497.18          | 566.37                        | 2.70                          | 2.13                         | 1.66                        |  |
| <b>LP(final) #3C-26HZ Rev1</b>      |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
| 7,563.00                            | 90.48              | 182.25         | 7,035.21                    | -596.43         | 496.13          | 596.35                        | 2.70                          | 2.13                         | 1.66                        |  |
| 7,659.00                            | 90.92              | 182.08         | 7,034.04                    | -692.36         | 492.51          | 692.27                        | 0.49                          | 0.46                         | -0.18                       |  |
| 7,754.00                            | 90.40              | 180.50         | 7,032.95                    | -787.32         | 490.37          | 787.24                        | 1.75                          | -0.55                        | -1.66                       |  |
| 7,847.00                            | 92.86              | 181.02         | 7,030.30                    | -880.27         | 489.13          | 880.18                        | 2.70                          | 2.65                         | 0.56                        |  |
| 7,942.00                            | 93.74              | 180.67         | 7,024.83                    | -975.10         | 487.74          | 975.02                        | 1.00                          | 0.93                         | -0.37                       |  |
| 8,035.00                            | 93.21              | 181.20         | 7,019.20                    | -1,067.92       | 486.22          | 1,067.83                      | 0.81                          | -0.57                        | 0.57                        |  |
| 8,127.00                            | 93.12              | 181.55         | 7,014.12                    | -1,159.75       | 484.02          | 1,159.67                      | 0.39                          | -0.10                        | 0.38                        |  |
| 8,220.00                            | 91.98              | 181.37         | 7,009.98                    | -1,252.63       | 481.65          | 1,252.54                      | 1.24                          | -1.23                        | -0.19                       |  |
| 8,316.00                            | 92.51              | 181.55         | 7,006.22                    | -1,348.52       | 479.21          | 1,348.44                      | 0.58                          | 0.55                         | 0.19                        |  |
| 8,410.00                            | 90.40              | 181.90         | 7,003.83                    | -1,442.44       | 476.38          | 1,442.36                      | 2.28                          | -2.24                        | 0.37                        |  |
| 8,504.00                            | 89.78              | 182.08         | 7,003.68                    | -1,536.39       | 473.11          | 1,536.30                      | 0.69                          | -0.66                        | 0.19                        |  |
| 8,598.00                            | 89.60              | 182.78         | 7,004.19                    | -1,630.30       | 469.13          | 1,630.22                      | 0.77                          | -0.19                        | 0.74                        |  |
| 8,690.00                            | 89.96              | 179.97         | 7,004.55                    | -1,722.26       | 466.92          | 1,722.18                      | 3.08                          | 0.39                         | -3.05                       |  |
| 8,783.00                            | 89.69              | 179.97         | 7,004.83                    | -1,815.26       | 466.97          | 1,815.18                      | 0.29                          | -0.29                        | 0.00                        |  |

# Precision Drilling Corporation

## Survey Report

|                  |                                |                                     |                                     |
|------------------|--------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> | Well #3C-26HZ                       |
| <b>Project:</b>  | WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b>               | 4890'GL+20'KB @ 4910.00usft (PD460) |
| <b>Site:</b>     | GE Powers Pad                  | <b>MD Reference:</b>                | 4890'GL+20'KB @ 4910.00usft (PD460) |
| <b>Well:</b>     | #3C-26HZ                       | <b>North Reference:</b>             | True                                |
| <b>Wellbore:</b> | Original Hole                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | Original Hole                  | <b>Database:</b>                    | Compass_US                          |

### Survey

| Measured Depth (usft)                   | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 8,877.00                                | 88.72           | 179.62      | 7,006.13              | -1,909.25    | 467.31       | 1,909.17                | 1.10                    | -1.03                  | -0.37                 |
| 8,969.00                                | 89.96           | 179.27      | 7,007.19              | -2,001.24    | 468.20       | 2,001.16                | 1.40                    | 1.35                   | -0.38                 |
| 9,064.00                                | 91.45           | 180.67      | 7,006.03              | -2,096.23    | 468.25       | 2,096.14                | 2.15                    | 1.57                   | 1.47                  |
| 9,159.00                                | 91.19           | 182.08      | 7,003.84              | -2,191.17    | 465.97       | 2,191.09                | 1.51                    | -0.27                  | 1.48                  |
| 9,254.00                                | 91.71           | 179.79      | 7,001.43              | -2,286.12    | 464.42       | 2,286.04                | 2.47                    | 0.55                   | -2.41                 |
| 9,349.00                                | 91.10           | 179.44      | 6,999.10              | -2,381.09    | 465.06       | 2,381.01                | 0.74                    | -0.64                  | -0.37                 |
| 9,444.00                                | 90.75           | 178.74      | 6,997.57              | -2,476.07    | 466.56       | 2,475.98                | 0.82                    | -0.37                  | -0.74                 |
| 9,539.00                                | 93.21           | 179.44      | 6,994.29              | -2,570.99    | 468.07       | 2,570.91                | 2.69                    | 2.59                   | 0.74                  |
| 9,634.00                                | 94.26           | 178.56      | 6,988.10              | -2,665.77    | 469.73       | 2,665.69                | 1.44                    | 1.11                   | -0.93                 |
| 9,728.00                                | 93.65           | 179.27      | 6,981.62              | -2,759.53    | 471.50       | 2,759.45                | 0.99                    | -0.65                  | 0.76                  |
| 9,823.00                                | 92.24           | 178.56      | 6,976.73              | -2,854.38    | 473.30       | 2,854.30                | 1.66                    | -1.48                  | -0.75                 |
| 9,916.00                                | 92.77           | 178.21      | 6,972.67              | -2,947.26    | 475.92       | 2,947.17                | 0.68                    | 0.57                   | -0.38                 |
| 10,009.00                               | 90.57           | 178.21      | 6,969.96              | -3,040.17    | 478.82       | 3,040.08                | 2.37                    | -2.37                  | 0.00                  |
| 10,101.00                               | 90.13           | 177.51      | 6,969.40              | -3,132.10    | 482.26       | 3,132.02                | 0.90                    | -0.48                  | -0.76                 |
| 10,194.00                               | 90.75           | 179.44      | 6,968.68              | -3,225.06    | 484.73       | 3,224.97                | 2.18                    | 0.67                   | 2.08                  |
| 10,286.00                               | 91.36           | 179.27      | 6,966.99              | -3,317.04    | 485.77       | 3,316.95                | 0.69                    | 0.66                   | -0.18                 |
| 10,378.00                               | 90.92           | 181.02      | 6,965.16              | -3,409.01    | 485.53       | 3,408.93                | 1.96                    | -0.48                  | 1.90                  |
| 10,472.00                               | 91.54           | 179.97      | 6,963.14              | -3,502.99    | 484.72       | 3,502.90                | 1.30                    | 0.66                   | -1.12                 |
| 10,564.00                               | 92.33           | 179.62      | 6,960.03              | -3,594.93    | 485.05       | 3,594.85                | 0.94                    | 0.86                   | -0.38                 |
| 10,658.00                               | 93.30           | 179.27      | 6,955.42              | -3,688.81    | 485.96       | 3,688.73                | 1.10                    | 1.03                   | -0.37                 |
| 10,752.00                               | 92.51           | 179.79      | 6,950.65              | -3,782.69    | 486.73       | 3,782.60                | 1.01                    | -0.84                  | 0.55                  |
| 10,845.00                               | 91.28           | 179.97      | 6,947.58              | -3,875.64    | 486.92       | 3,875.55                | 1.34                    | -1.32                  | 0.19                  |
| 10,938.00                               | 89.69           | 180.67      | 6,946.79              | -3,968.63    | 486.40       | 3,968.54                | 1.87                    | -1.71                  | 0.75                  |
| 11,030.00                               | 89.69           | 179.09      | 6,947.29              | -4,060.62    | 486.60       | 4,060.54                | 1.72                    | 0.00                   | -1.72                 |
| 11,123.00                               | 89.60           | 177.86      | 6,947.87              | -4,153.59    | 489.07       | 4,153.50                | 1.33                    | -0.10                  | -1.32                 |
| 11,215.00                               | 89.43           | 179.09      | 6,948.64              | -4,245.55    | 491.52       | 4,245.46                | 1.35                    | -0.18                  | 1.34                  |
| 11,309.00                               | 89.87           | 180.32      | 6,949.22              | -4,339.54    | 492.00       | 4,339.46                | 1.39                    | 0.47                   | 1.31                  |
| 11,401.00                               | 90.22           | 180.32      | 6,949.15              | -4,431.54    | 491.49       | 4,431.46                | 0.38                    | 0.38                   | 0.00                  |
| 11,494.00                               | 91.19           | 179.79      | 6,948.00              | -4,524.53    | 491.40       | 4,524.45                | 1.19                    | 1.04                   | -0.57                 |
| 11,586.00                               | 91.54           | 179.62      | 6,945.81              | -4,616.51    | 491.88       | 4,616.42                | 0.42                    | 0.38                   | -0.18                 |
| 11,679.00                               | 92.33           | 179.09      | 6,942.67              | -4,709.45    | 492.92       | 4,709.36                | 1.02                    | 0.85                   | -0.57                 |
| 11,772.00                               | 91.45           | 179.97      | 6,939.60              | -4,802.39    | 493.68       | 4,802.31                | 1.34                    | -0.95                  | 0.95                  |
| 11,856.00                               | 91.93           | 178.86      | 6,937.13              | -4,886.35    | 494.54       | 4,886.26                | 1.44                    | 0.57                   | -1.32                 |
| <b>Section Line Entry #3C-26HZ Rev1</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,865.00                               | 91.98           | 178.74      | 6,936.82              | -4,895.34    | 494.73       | 4,895.26                | 1.44                    | 0.57                   | -1.32                 |
| 11,959.00                               | 90.13           | 179.62      | 6,935.09              | -4,989.31    | 496.07       | 4,989.22                | 2.18                    | -1.97                  | 0.94                  |
| 12,051.00                               | 90.31           | 179.79      | 6,934.74              | -5,081.31    | 496.55       | 5,081.22                | 0.27                    | 0.20                   | 0.18                  |
| 12,145.00                               | 90.84           | 179.97      | 6,933.79              | -5,175.30    | 496.75       | 5,175.22                | 0.60                    | 0.56                   | 0.19                  |
| 12,193.00                               | 90.92           | 178.74      | 6,933.06              | -5,223.29    | 497.29       | 5,223.21                | 2.57                    | 0.17                   | -2.56                 |
| 12,258.00                               | 90.92           | 178.74      | 6,932.01              | -5,288.27    | 498.71       | 5,288.18                | 0.00                    | 0.00                   | 0.00                  |
| <b>BHL #3C-26HZ Rev1</b>                |                 |             |                       |              |              |                         |                         |                        |                       |

# Precision Drilling Corporation

## Survey Report

|                  |                                |                                     |                                     |
|------------------|--------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | US ROCKIES WATTENBERG PLANNING | <b>Local Co-ordinate Reference:</b> | Well #3C-26HZ                       |
| <b>Project:</b>  | WELD-NAD83-UTMFT13N            | <b>TVD Reference:</b>               | 4890'GL+20'KB @ 4910.00usft (PD460) |
| <b>Site:</b>     | GE Powers Pad                  | <b>MD Reference:</b>                | 4890'GL+20'KB @ 4910.00usft (PD460) |
| <b>Well:</b>     | #3C-26HZ                       | <b>North Reference:</b>             | True                                |
| <b>Wellbore:</b> | Original Hole                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | Original Hole                  | <b>Database:</b>                    | Compass_US                          |

| Design Targets  |           |          |          |           |        |               |              |                |                 |
|---|-----------|----------|----------|-----------|--------|---------------|--------------|----------------|-----------------|
| Target Name   | Dip Angle | Dip Dir. | TVD      | +N/-S     | +E/-W  | Northing      | Easting      | Latitude       | Longitude       |
| - hit/miss target   | (°)       | (°)      | (usft)   | (usft)    | (usft) | (usft)        | (usft)       |                |                 |
| - Shape   |           |          |          |           |        |               |              |                |                 |
| Surface #3C-26HZ<br>- actual wellpath hits target center<br>- Point         | 0.00      | 0.00     | 0.00     | 0.00      | 0.00   | 14,574,369.12 | 1,742,272.11 | 40° 7' 48.87 N | 104° 38' 8.17 W |
| Land Box Entry #3C-2<br>- actual wellpath hits target center<br>- Point     | 0.00      | 0.00     | 6,891.60 | -64.85    | 498.37 | 14,574,306.31 | 1,742,770.75 | 40° 7' 48.23 N | 104° 38' 1.76 W |
| BHL #3C-26HZ Rev1<br>- actual wellpath hits target center<br>- Point        | 0.00      | 0.00     | 6,932.01 | -5,288.27 | 498.71 | 14,569,082.94 | 1,742,792.50 | 40° 6' 56.59 N | 104° 38' 1.75 W |
| Section Line Entry #3C-2<br>- actual wellpath hits target center<br>- Point | 0.00      | 0.00     | 6,937.13 | -4,886.35 | 494.54 | 14,569,484.84 | 1,742,786.68 | 40° 7' 0.56 N  | 104° 38' 1.81 W |
| LP(final) #3C-26HZ R<br>- actual wellpath hits target center<br>- Point     | 0.00      | 0.00     | 7,035.30 | -566.45   | 497.18 | 14,573,804.71 | 1,742,771.61 | 40° 7' 43.27 N | 104° 38' 1.77 W |

| Design Annotations    |                       |                   |              |                         |  |
|-----------------------|-----------------------|-------------------|--------------|-------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                 |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                         |  |
| 6,997.50              | 6,891.60              | -64.85            | 498.37       | Land Box Entry Rev1     |  |
| 7,533.00              | 7,035.30              | -566.45           | 497.18       | LP Rev1                 |  |
| 11,854.75             | 6,937.17              | -4,885.10         | 494.52       | Section Line Entry Rev1 |  |