

| WELL DETAILS: POWERS 14N-22HZ | | | | | |
|---|-------|-------------|------------|-----------|-------------|
| GL 4883 & KB 20 @ 4903.00usft (PRECISION 461) | | | | | |
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| 0.00 | 0.00 | 14574018.03 | 1737246.22 | 40.129333 | -104.653589 |

| 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: | |
| System Datum: | Mean Sea Level |

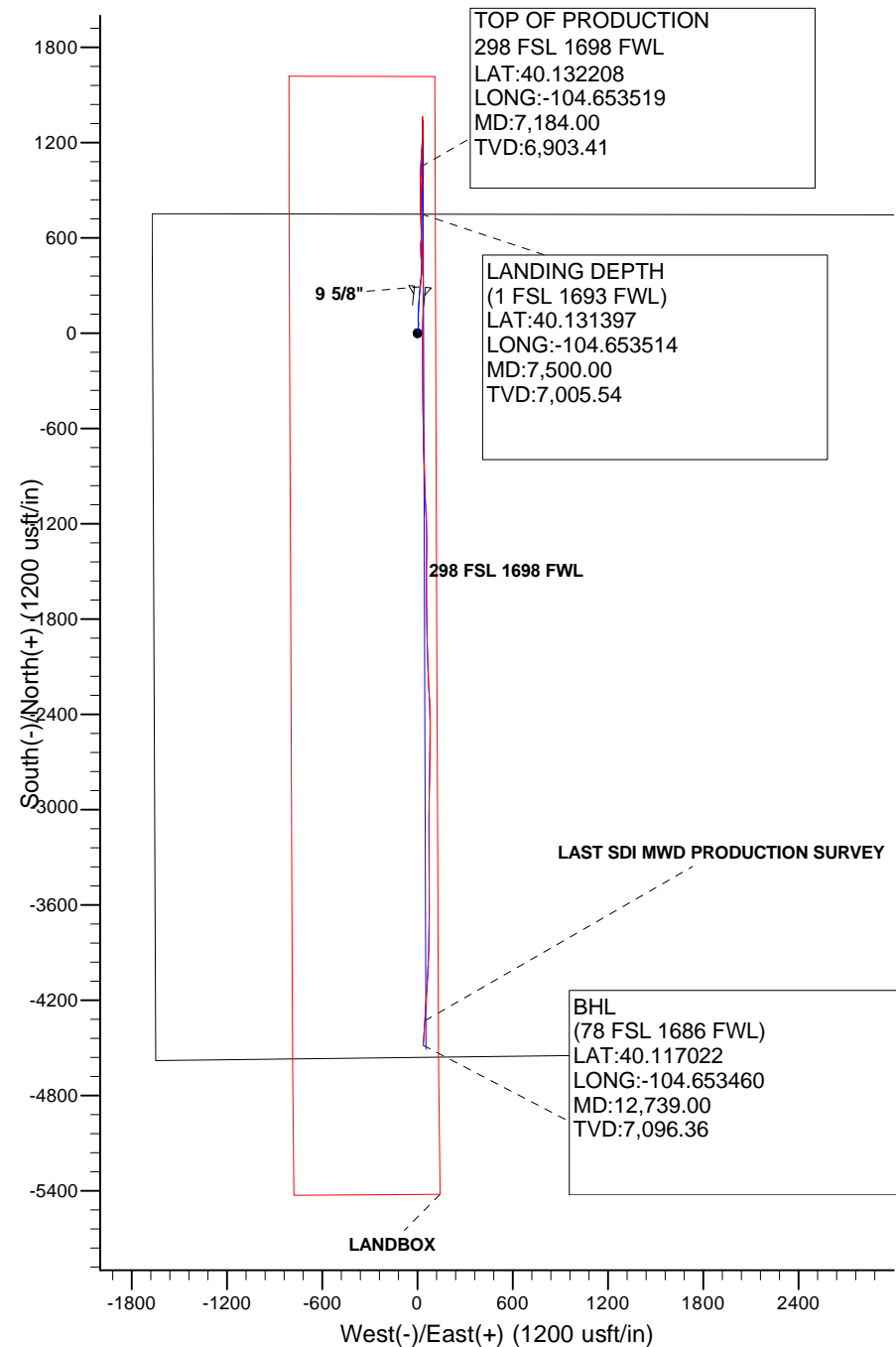
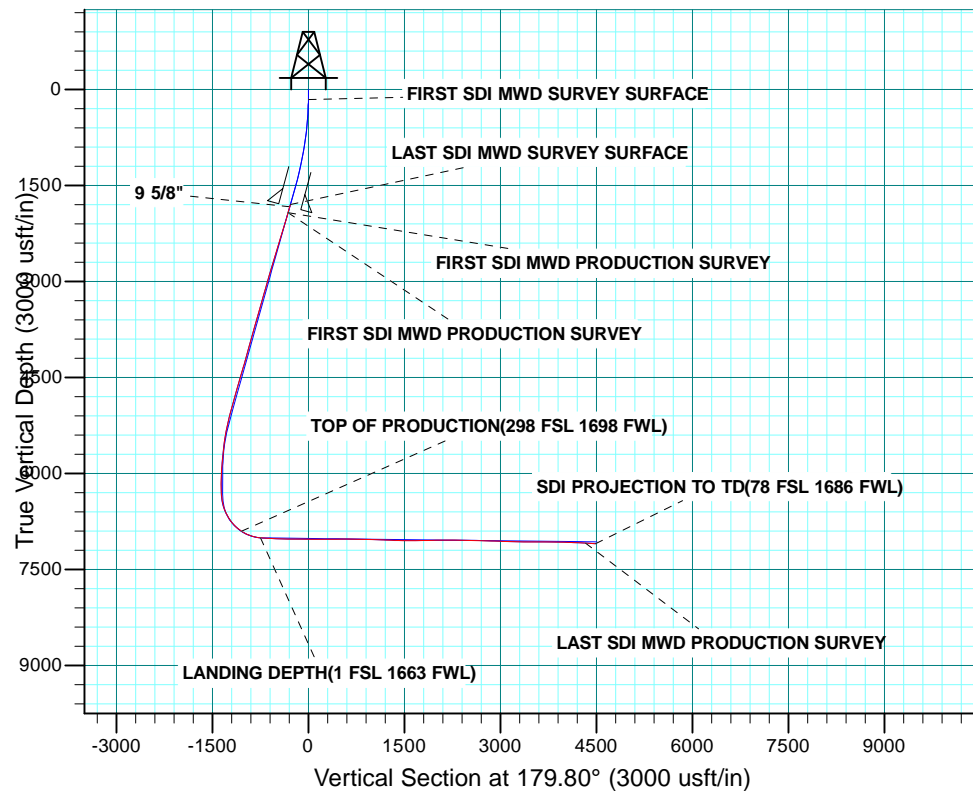




TABLE OF CONTENTS

- 1. Directional Plot and Surveys**
- 2. Daily Drilling Reports**
- 3. BHA Summary Reports and Slide Sheets**
- 4. Graphical Job History**
- 5. Support Staff**

| | | | |
|------------------|--------------------------------|-------------------------------------|---|
| Company: | US ROCKIES WATTENBERG PLANNING | Local Co-ordinate Reference: | Well POWERS 14N-22HZ |
| Project: | WELD-NAD83-UTMFT13N | TVD Reference: | GL 4883 & KB 20 @ 4903.00usft (PRECISION 461) |
| Site: | 2N-65W-22 Powers 3-22 Pad | MD Reference: | GL 4883 & KB 20 @ 4903.00usft (PRECISION 461) |
| Well: | POWERS 14N-22HZ | North Reference: | True |
| Wellbore: | Plan A | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales |

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

| | | | | | |
|-----------------------|---------------------------|--------------|--------------------|-------------------|-------------|
| Site | 2N-65W-22 Powers 3-22 Pad | | | | |
| Site Position: | | Northing: | 14,574,017.80 usft | Latitude: | 40.129333 |
| From: | Lat/Long | Easting: | 1,737,186.12 usft | Longitude: | -104.653804 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.200 in | Grid Convergence: | 0.22 ° |

| Well | POWERS 14N-22HZ | | | | | |
|----------------------|-----------------|-----------|---------------------|--------------------|---------------|---------------|
| Well Position | +N/-S | 0.00 usft | Northing: | 14,574,018.03 usft | Latitude: | 40.129333 |
| | +E/-W | 0.00 usft | Easting: | 1,737,246.22 usft | Longitude: | -104.653589 |
| Position Uncertainty | | 3.28 usft | Wellhead Elevation: | 0.00 usft | Ground Level: | 4,883.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Plan A | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 8/17/2015 | 8.40 | 66.67 | 52,502 |

| | | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| Design | OH | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 179.80 | |

| | | | | | |
|-----------------------|------------------|------------------------------------|-----------------------|------------------------------------|--|
| Survey Program | Date | 10/6/2015 | | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description | |
| 13.00 | 1,826.00 | Survey #1 SDI MWD SURVEY SURFACE | APC_ISCWSA REV 2 MWD | Fixed:v2:standard declination | |
| 1,959.00 | 12,739.00 | Survey #2 SDI MWD PRODUCTION (Plan | APC_ISCWSA REV 2 MWD+ | Fixed:v2:crustal field declination | |

| | | | | | | | | | | |
|-------------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| Survey | | | | | | | | | | |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13.00 | 0.00 | 0.00 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 159.00 | 0.35 | 341.97 | 159.00 | 0.42 | -0.14 | -0.42 | 0.24 | 0.24 | 0.00 | |
| FIRST SDI MWD SURVEY SURFACE | | | | | | | | | | |
| 249.00 | 1.91 | 8.43 | 248.98 | 2.17 | 0.00 | -2.17 | 1.78 | 1.73 | 29.40 | |
| 341.00 | 2.76 | 10.57 | 340.90 | 5.86 | 0.63 | -5.86 | 0.93 | 0.92 | 2.33 | |
| 431.00 | 4.00 | 3.09 | 430.74 | 11.13 | 1.19 | -11.12 | 1.46 | 1.38 | -8.31 | |
| 521.00 | 4.58 | 4.27 | 520.49 | 17.85 | 1.63 | -17.84 | 0.65 | 0.64 | 1.31 | |

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|------------------|--------------------------------|-------------------------------------|---|
| Company: | US ROCKIES WATTENBERG PLANNING | Local Co-ordinate Reference: | Well POWERS 14N-22HZ |
| Project: | WELD-NAD83-UTMFT13N | TVD Reference: | GL 4883 & KB 20 @ 4903.00usft (PRECISION 461) |
| Site: | 2N-65W-22 Powers 3-22 Pad | MD Reference: | GL 4883 & KB 20 @ 4903.00usft (PRECISION 461) |
| Well: | POWERS 14N-22HZ | North Reference: | True |
| Wellbore: | Plan A | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | 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) |
| 656.00 | 7.10 | 10.51 | 654.78 | 31.43 | 3.55 | -31.41 | 1.92 | 1.87 | 4.62 |
| 746.00 | 7.82 | 4.90 | 744.02 | 43.00 | 5.09 | -42.98 | 1.14 | 0.80 | -6.23 |
| 837.00 | 9.43 | 359.67 | 833.99 | 56.62 | 5.58 | -56.60 | 1.97 | 1.77 | -5.75 |
| 927.00 | 9.19 | 354.96 | 922.81 | 71.15 | 4.90 | -71.13 | 0.89 | -0.27 | -5.23 |
| 1,017.00 | 10.18 | 356.95 | 1,011.52 | 86.25 | 3.85 | -86.24 | 1.16 | 1.10 | 2.21 |
| 1,107.00 | 11.07 | 0.12 | 1,099.98 | 102.84 | 3.44 | -102.82 | 1.18 | 0.99 | 3.52 |
| 1,197.00 | 11.85 | 2.25 | 1,188.18 | 120.71 | 3.83 | -120.70 | 0.99 | 0.87 | 2.37 |
| 1,287.00 | 13.41 | 5.74 | 1,276.00 | 140.33 | 5.23 | -140.31 | 1.93 | 1.73 | 3.88 |
| 1,377.00 | 13.82 | 2.88 | 1,363.48 | 161.45 | 6.82 | -161.43 | 0.88 | 0.46 | -3.18 |
| 1,467.00 | 15.08 | 3.16 | 1,450.63 | 183.88 | 8.00 | -183.85 | 1.40 | 1.40 | 0.31 |
| 1,557.00 | 15.17 | 4.16 | 1,537.51 | 207.31 | 9.50 | -207.28 | 0.31 | 0.10 | 1.11 |
| 1,647.00 | 16.85 | 2.42 | 1,624.02 | 232.09 | 10.91 | -232.05 | 1.94 | 1.87 | -1.93 |
| 1,737.00 | 16.61 | 4.95 | 1,710.21 | 257.94 | 12.57 | -257.89 | 0.85 | -0.27 | 2.81 |
| 1,826.00 | 15.70 | 6.46 | 1,795.69 | 282.58 | 15.02 | -282.52 | 1.13 | -1.02 | 1.70 |
| LAST SDI MWD SURVEY SURFACE | | | | | | | | | |
| 1,863.00 | 15.42 | 6.35 | 1,831.34 | 292.44 | 16.13 | -292.38 | 0.75 | -0.74 | -0.29 |
| 9 5/8" | | | | | | | | | |
| 1,959.00 | 14.71 | 6.06 | 1,924.04 | 317.25 | 18.83 | -317.18 | 0.75 | -0.74 | -0.31 |
| FIRST SDI MWD PRODUCTION SURVEY | | | | | | | | | |
| 2,054.00 | 15.65 | 8.38 | 2,015.72 | 341.92 | 21.97 | -341.84 | 1.18 | 0.99 | 2.44 |
| 2,149.00 | 17.79 | 3.30 | 2,106.70 | 369.09 | 24.67 | -369.00 | 2.73 | 2.25 | -5.35 |
| 2,244.00 | 17.19 | 359.61 | 2,197.31 | 397.62 | 25.41 | -397.53 | 1.33 | -0.63 | -3.88 |
| 2,338.00 | 16.41 | 356.31 | 2,287.30 | 424.76 | 24.46 | -424.67 | 1.31 | -0.83 | -3.51 |
| 2,433.00 | 17.66 | 358.48 | 2,378.14 | 452.56 | 23.22 | -452.48 | 1.48 | 1.32 | 2.28 |
| 2,528.00 | 17.73 | 355.56 | 2,468.64 | 481.39 | 21.71 | -481.31 | 0.94 | 0.07 | -3.07 |
| 2,624.00 | 17.63 | 359.22 | 2,560.11 | 510.50 | 20.38 | -510.42 | 1.16 | -0.10 | 3.81 |
| 2,718.00 | 17.40 | 358.98 | 2,649.75 | 538.78 | 19.94 | -538.71 | 0.26 | -0.24 | -0.26 |
| 2,813.00 | 16.45 | 4.18 | 2,740.64 | 566.40 | 20.67 | -566.33 | 1.88 | -1.00 | 5.47 |
| 2,908.00 | 15.97 | 3.60 | 2,831.87 | 592.86 | 22.47 | -592.78 | 0.53 | -0.51 | -0.61 |
| 3,004.00 | 15.83 | 1.89 | 2,924.19 | 619.13 | 23.73 | -619.04 | 0.51 | -0.15 | -1.78 |
| 3,099.00 | 15.32 | 1.32 | 3,015.70 | 644.63 | 24.45 | -644.54 | 0.56 | -0.54 | -0.60 |
| 3,194.00 | 16.22 | 358.63 | 3,107.13 | 670.44 | 24.42 | -670.35 | 1.22 | 0.95 | -2.83 |
| 3,289.00 | 16.22 | 356.09 | 3,198.35 | 696.94 | 23.20 | -696.85 | 0.75 | 0.00 | -2.67 |
| 3,385.00 | 15.82 | 0.42 | 3,290.62 | 723.40 | 22.38 | -723.32 | 1.31 | -0.42 | 4.51 |
| 3,479.00 | 15.19 | 0.67 | 3,381.20 | 748.53 | 22.62 | -748.45 | 0.67 | -0.67 | 0.27 |
| 3,575.00 | 15.28 | 355.25 | 3,473.83 | 773.71 | 21.72 | -773.63 | 1.49 | 0.09 | -5.65 |
| 3,670.00 | 15.81 | 0.44 | 3,565.36 | 799.13 | 20.78 | -799.05 | 1.57 | 0.56 | 5.46 |
| 3,765.00 | 16.85 | 3.98 | 3,656.53 | 825.81 | 21.83 | -825.73 | 1.51 | 1.09 | 3.73 |
| 3,860.00 | 14.88 | 2.24 | 3,747.91 | 851.73 | 23.27 | -851.65 | 2.13 | -2.07 | -1.83 |
| 3,955.00 | 15.29 | 2.02 | 3,839.63 | 876.44 | 24.18 | -876.35 | 0.44 | 0.43 | -0.23 |
| 4,051.00 | 17.29 | 3.05 | 3,931.78 | 903.34 | 25.39 | -903.25 | 2.10 | 2.08 | 1.07 |
| 4,146.00 | 16.42 | 1.46 | 4,022.69 | 930.86 | 26.48 | -930.76 | 1.04 | -0.92 | -1.67 |

| | | | |
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| Site: | 2N-65W-22 Powers 3-22 Pad | MD Reference: | GL 4883 & KB 20 @ 4903.00usft (PRECISION 461) |
| Well: | POWERS 14N-22HZ | North Reference: | True |
| Wellbore: | Plan A | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | 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) | |
| 4,241.00 | 15.88 | 0.39 | 4,113.95 | 957.28 | 26.91 | -957.18 | 0.65 | -0.57 | -1.13 | |
| 4,336.00 | 14.83 | 357.74 | 4,205.55 | 982.43 | 26.52 | -982.33 | 1.33 | -1.11 | -2.79 | |
| 4,431.00 | 15.08 | 0.66 | 4,297.34 | 1,006.93 | 26.19 | -1,006.83 | 0.84 | 0.26 | 3.07 | |
| 4,526.00 | 16.64 | 2.30 | 4,388.72 | 1,032.88 | 26.87 | -1,032.78 | 1.71 | 1.64 | 1.73 | |
| 4,621.00 | 15.85 | 0.18 | 4,479.93 | 1,059.45 | 27.46 | -1,059.34 | 1.04 | -0.83 | -2.23 | |
| 4,716.00 | 16.25 | 0.86 | 4,571.22 | 1,085.71 | 27.70 | -1,085.61 | 0.47 | 0.42 | 0.72 | |
| 4,811.00 | 15.60 | 357.88 | 4,662.58 | 1,111.77 | 27.43 | -1,111.66 | 1.10 | -0.68 | -3.14 | |
| 4,906.00 | 16.42 | 2.00 | 4,753.90 | 1,137.95 | 27.42 | -1,137.85 | 1.47 | 0.86 | 4.34 | |
| 5,001.00 | 15.55 | 2.66 | 4,845.22 | 1,164.09 | 28.48 | -1,163.98 | 0.94 | -0.92 | 0.69 | |
| 5,097.00 | 15.92 | 1.79 | 4,937.62 | 1,190.10 | 29.49 | -1,189.99 | 0.46 | 0.39 | -0.91 | |
| 5,191.00 | 14.19 | 0.31 | 5,028.39 | 1,214.51 | 29.96 | -1,214.40 | 1.89 | -1.84 | -1.57 | |
| 5,286.00 | 13.56 | 359.94 | 5,120.62 | 1,237.29 | 30.01 | -1,237.18 | 0.67 | -0.66 | -0.39 | |
| 5,382.00 | 12.96 | 358.75 | 5,214.06 | 1,259.31 | 29.76 | -1,259.20 | 0.69 | -0.63 | -1.24 | |
| 5,476.00 | 11.11 | 358.78 | 5,305.99 | 1,278.91 | 29.34 | -1,278.80 | 1.97 | -1.97 | 0.03 | |
| 5,570.00 | 10.00 | 358.84 | 5,398.40 | 1,296.12 | 28.98 | -1,296.01 | 1.18 | -1.18 | 0.06 | |
| 5,666.00 | 8.81 | 358.52 | 5,493.11 | 1,311.80 | 28.62 | -1,311.70 | 1.24 | -1.24 | -0.33 | |
| 5,760.00 | 7.13 | 359.62 | 5,586.20 | 1,324.83 | 28.40 | -1,324.73 | 1.79 | -1.79 | 1.17 | |
| 5,856.00 | 5.79 | 3.93 | 5,681.59 | 1,335.62 | 28.69 | -1,335.52 | 1.48 | -1.40 | 4.49 | |
| 5,951.00 | 4.97 | 7.50 | 5,776.17 | 1,344.48 | 29.56 | -1,344.37 | 0.93 | -0.86 | 3.76 | |
| 6,045.00 | 3.12 | 355.39 | 5,869.93 | 1,351.07 | 29.88 | -1,350.96 | 2.16 | -1.97 | -12.88 | |
| 6,138.00 | 2.19 | 3.32 | 5,962.83 | 1,355.37 | 29.78 | -1,355.26 | 1.07 | -1.00 | 8.53 | |
| 6,232.00 | 1.79 | 2.51 | 6,056.77 | 1,358.63 | 29.95 | -1,358.52 | 0.43 | -0.43 | -0.86 | |
| 6,327.00 | 1.44 | 9.36 | 6,151.74 | 1,361.29 | 30.21 | -1,361.18 | 0.42 | -0.37 | 7.21 | |
| 6,421.00 | 1.30 | 4.82 | 6,245.71 | 1,363.52 | 30.49 | -1,363.40 | 0.19 | -0.15 | -4.83 | |
| 6,516.00 | 3.19 | 183.88 | 6,340.67 | 1,361.95 | 30.40 | -1,361.84 | 4.73 | 1.99 | 188.48 | |
| 6,611.00 | 12.02 | 177.62 | 6,434.74 | 1,349.41 | 30.63 | -1,349.29 | 9.32 | 9.29 | -6.59 | |
| 6,706.00 | 17.47 | 175.97 | 6,526.58 | 1,325.28 | 32.05 | -1,325.16 | 5.75 | 5.74 | -1.74 | |
| 6,800.00 | 24.46 | 182.44 | 6,614.31 | 1,291.72 | 32.21 | -1,291.60 | 7.82 | 7.44 | 6.88 | |
| 6,895.00 | 31.94 | 182.46 | 6,697.98 | 1,246.90 | 30.29 | -1,246.78 | 7.87 | 7.87 | 0.02 | |
| 6,989.00 | 40.86 | 181.81 | 6,773.56 | 1,191.21 | 28.25 | -1,191.10 | 9.50 | 9.49 | -0.69 | |
| 7,084.00 | 47.07 | 184.24 | 6,841.91 | 1,125.40 | 24.69 | -1,125.30 | 6.77 | 6.54 | 2.56 | |
| 7,178.00 | 56.34 | 183.35 | 6,900.10 | 1,051.86 | 19.85 | -1,051.79 | 9.89 | 9.86 | -0.95 | |
| 7,184.00 | 56.80 | 183.17 | 6,903.41 | 1,046.87 | 19.57 | -1,046.79 | 8.01 | 7.63 | -2.95 | |
| TOP OF PRODUCTION(298 FSL 1698 FWL) | | | | | | | | | | |
| 7,273.00 | 63.61 | 180.74 | 6,947.61 | 969.73 | 16.99 | -969.66 | 8.01 | 7.65 | -2.73 | |
| 7,368.00 | 74.35 | 178.21 | 6,981.64 | 881.19 | 17.87 | -881.13 | 11.57 | 11.31 | -2.66 | |
| 7,462.00 | 81.98 | 178.79 | 7,000.91 | 789.29 | 20.27 | -789.22 | 8.14 | 8.12 | 0.62 | |
| 7,500.00 | 84.00 | 178.97 | 7,005.54 | 751.58 | 21.01 | -751.51 | 5.35 | 5.33 | 0.47 | |
| LANDING DEPTH(1 FSL 1663 FWL) | | | | | | | | | | |
| 7,557.00 | 87.04 | 179.23 | 7,009.99 | 694.77 | 21.90 | -694.69 | 5.35 | 5.33 | 0.46 | |
| 7,652.00 | 87.17 | 178.25 | 7,014.79 | 599.92 | 23.99 | -599.83 | 1.04 | 0.14 | -1.03 | |
| 7,746.00 | 87.38 | 176.36 | 7,019.26 | 506.13 | 28.40 | -506.03 | 2.02 | 0.22 | -2.01 | |

| | | | |
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| Site: | 2N-65W-22 Powers 3-22 Pad | MD Reference: | GL 4883 & KB 20 @ 4903.00usft (PRECISION 461) |
| Well: | POWERS 14N-22HZ | North Reference: | True |
| Wellbore: | Plan A | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | 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) | |
| 7,840.00 | 88.19 | 177.23 | 7,022.89 | 412.35 | 33.65 | -412.23 | 1.26 | 0.86 | 0.93 | |
| 7,935.00 | 89.60 | 180.90 | 7,024.73 | 317.40 | 35.20 | -317.28 | 4.14 | 1.48 | 3.86 | |
| 8,029.00 | 89.66 | 179.26 | 7,025.33 | 223.41 | 35.07 | -223.28 | 1.75 | 0.06 | -1.74 | |
| 8,124.00 | 89.26 | 181.77 | 7,026.23 | 128.42 | 34.22 | -128.30 | 2.68 | -0.42 | 2.64 | |
| 8,219.00 | 89.36 | 180.86 | 7,027.37 | 33.45 | 32.04 | -33.34 | 0.96 | 0.11 | -0.96 | |
| 8,314.00 | 89.16 | 181.04 | 7,028.60 | -61.52 | 30.46 | 61.63 | 0.28 | -0.21 | 0.19 | |
| 8,409.00 | 90.67 | 179.10 | 7,028.74 | -156.52 | 30.35 | 156.62 | 2.59 | 1.59 | -2.04 | |
| 8,503.00 | 89.93 | 178.89 | 7,028.25 | -250.50 | 32.00 | 250.61 | 0.82 | -0.79 | -0.22 | |
| 8,598.00 | 90.37 | 179.23 | 7,028.00 | -345.49 | 33.55 | 345.60 | 0.59 | 0.46 | 0.36 | |
| 8,693.00 | 90.57 | 179.70 | 7,027.22 | -440.48 | 34.44 | 440.60 | 0.54 | 0.21 | 0.49 | |
| 8,788.00 | 90.44 | 179.83 | 7,026.38 | -535.48 | 34.83 | 535.59 | 0.19 | -0.14 | 0.14 | |
| 8,883.00 | 90.27 | 179.30 | 7,025.80 | -630.47 | 35.55 | 630.59 | 0.59 | -0.18 | -0.56 | |
| 8,978.00 | 88.46 | 178.50 | 7,026.85 | -725.44 | 37.38 | 725.57 | 2.08 | -1.91 | -0.84 | |
| 9,073.00 | 88.46 | 178.19 | 7,029.40 | -820.37 | 40.12 | 820.50 | 0.33 | 0.00 | -0.33 | |
| 9,168.00 | 88.26 | 177.64 | 7,032.12 | -915.27 | 43.57 | 915.41 | 0.62 | -0.21 | -0.58 | |
| 9,263.00 | 88.93 | 177.64 | 7,034.45 | -1,010.16 | 47.48 | 1,010.32 | 0.71 | 0.71 | 0.00 | |
| 9,358.00 | 89.30 | 176.74 | 7,035.92 | -1,105.03 | 52.14 | 1,105.21 | 1.02 | 0.39 | -0.95 | |
| 9,453.00 | 86.78 | 178.92 | 7,039.17 | -1,199.89 | 55.74 | 1,200.08 | 3.51 | -2.65 | 2.29 | |
| 9,547.00 | 87.21 | 179.68 | 7,044.09 | -1,293.76 | 56.88 | 1,293.95 | 0.93 | 0.46 | 0.81 | |
| 9,642.00 | 88.86 | 180.40 | 7,047.35 | -1,388.70 | 56.82 | 1,388.89 | 1.89 | 1.74 | 0.76 | |
| 9,737.00 | 89.90 | 180.41 | 7,048.38 | -1,483.69 | 56.15 | 1,483.87 | 1.09 | 1.09 | 0.01 | |
| 9,831.00 | 89.43 | 180.12 | 7,048.93 | -1,577.68 | 55.71 | 1,577.87 | 0.59 | -0.50 | -0.31 | |
| 9,926.00 | 90.77 | 179.75 | 7,048.76 | -1,672.68 | 55.82 | 1,672.87 | 1.46 | 1.41 | -0.39 | |
| 10,021.00 | 90.94 | 178.99 | 7,047.35 | -1,767.66 | 56.86 | 1,767.85 | 0.82 | 0.18 | -0.80 | |
| 10,116.00 | 90.84 | 178.47 | 7,045.87 | -1,862.63 | 58.97 | 1,862.82 | 0.56 | -0.11 | -0.55 | |
| 10,211.00 | 91.98 | 178.91 | 7,043.53 | -1,957.57 | 61.14 | 1,957.77 | 1.29 | 1.20 | 0.46 | |
| 10,307.00 | 89.87 | 178.13 | 7,041.98 | -2,053.52 | 63.62 | 2,053.73 | 2.34 | -2.20 | -0.81 | |
| 10,402.00 | 89.73 | 177.94 | 7,042.31 | -2,148.47 | 66.88 | 2,148.69 | 0.25 | -0.15 | -0.20 | |
| 10,497.00 | 89.66 | 177.15 | 7,042.82 | -2,243.38 | 70.95 | 2,243.61 | 0.83 | -0.07 | -0.83 | |
| 10,592.00 | 90.13 | 176.75 | 7,042.99 | -2,338.24 | 76.00 | 2,338.49 | 0.65 | 0.49 | -0.42 | |
| 10,686.00 | 89.36 | 179.65 | 7,043.41 | -2,432.18 | 78.95 | 2,432.44 | 3.19 | -0.82 | 3.09 | |
| 10,781.00 | 87.82 | 180.45 | 7,045.75 | -2,527.15 | 78.87 | 2,527.41 | 1.83 | -1.62 | 0.84 | |
| 10,875.00 | 88.09 | 180.84 | 7,049.10 | -2,621.09 | 77.81 | 2,621.34 | 0.50 | 0.29 | 0.41 | |
| 10,970.00 | 88.96 | 180.69 | 7,051.55 | -2,716.04 | 76.54 | 2,716.29 | 0.93 | 0.92 | -0.16 | |
| 11,065.00 | 89.19 | 180.93 | 7,053.08 | -2,811.02 | 75.20 | 2,811.27 | 0.35 | 0.24 | 0.25 | |
| 11,160.00 | 87.85 | 180.88 | 7,055.54 | -2,905.98 | 73.70 | 2,906.22 | 1.41 | -1.41 | -0.05 | |
| 11,254.00 | 88.19 | 180.60 | 7,058.78 | -2,999.91 | 72.49 | 3,000.15 | 0.47 | 0.36 | -0.30 | |
| 11,349.00 | 89.50 | 180.30 | 7,060.70 | -3,094.89 | 71.74 | 3,095.12 | 1.41 | 1.38 | -0.32 | |
| 11,444.00 | 87.72 | 180.31 | 7,063.00 | -3,189.85 | 71.24 | 3,190.08 | 1.87 | -1.87 | 0.01 | |
| 11,539.00 | 87.59 | 179.17 | 7,066.89 | -3,284.77 | 71.67 | 3,285.00 | 1.21 | -0.14 | -1.20 | |
| 11,634.00 | 89.36 | 179.25 | 7,069.42 | -3,379.73 | 72.98 | 3,379.96 | 1.87 | 1.86 | 0.08 | |
| 11,729.00 | 90.37 | 179.91 | 7,069.64 | -3,474.72 | 73.67 | 3,474.96 | 1.27 | 1.06 | 0.69 | |

| | | | |
|------------------|--------------------------------|-------------------------------------|---|
| Company: | US ROCKIES WATTENBERG PLANNING | Local Co-ordinate Reference: | Well POWERS 14N-22HZ |
| Project: | WELD-NAD83-UTMFT13N | TVD Reference: | GL 4883 & KB 20 @ 4903.00usft (PRECISION 461) |
| Site: | 2N-65W-22 Powers 3-22 Pad | MD Reference: | GL 4883 & KB 20 @ 4903.00usft (PRECISION 461) |
| Well: | POWERS 14N-22HZ | North Reference: | True |
| Wellbore: | Plan A | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | 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) | |
| 11,824.00 | 89.09 | 180.49 | 7,070.09 | -3,569.72 | 73.34 | 3,569.95 | 1.48 | -1.35 | 0.61 | |
| 11,918.00 | 90.07 | 179.47 | 7,070.78 | -3,663.71 | 73.37 | 3,663.95 | 1.50 | 1.04 | -1.09 | |
| 12,013.00 | 90.00 | 180.50 | 7,070.72 | -3,758.71 | 73.40 | 3,758.94 | 1.09 | -0.07 | 1.08 | |
| 12,108.00 | 89.33 | 181.75 | 7,071.28 | -3,853.69 | 71.53 | 3,853.92 | 1.49 | -0.71 | 1.32 | |
| 12,203.00 | 88.89 | 182.61 | 7,072.75 | -3,948.61 | 67.92 | 3,948.82 | 1.02 | -0.46 | 0.91 | |
| 12,299.00 | 87.42 | 183.31 | 7,075.84 | -4,044.43 | 62.97 | 4,044.62 | 1.70 | -1.53 | 0.73 | |
| 12,394.00 | 88.22 | 183.55 | 7,079.46 | -4,139.19 | 57.29 | 4,139.36 | 0.88 | 0.84 | 0.25 | |
| 12,489.00 | 87.92 | 183.79 | 7,082.66 | -4,233.94 | 51.21 | 4,234.09 | 0.40 | -0.32 | 0.25 | |
| 12,584.00 | 86.61 | 183.39 | 7,087.19 | -4,328.64 | 45.27 | 4,328.77 | 1.44 | -1.38 | -0.42 | |
| LAST SDI MWD PRODUCTION SURVEY | | | | | | | | | | |
| 12,739.00 | 86.61 | 183.39 | 7,096.36 | -4,483.10 | 36.12 | 4,483.20 | 0.00 | 0.00 | 0.00 | |
| SDI PROJECTION TO TD(78 FSL 1686 FWL) | | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 1,863.00 | 1,831.34 | 9 5/8" | 9.625 | 13.500 | |

| Design Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment | |
| | | +N/-S (usft) | +E/-W (usft) | | |
| 159.00 | 159.00 | 0.42 | -0.14 | FIRST SDI MWD SURVEY SURFACE | |
| 1,826.00 | 1,795.69 | 282.58 | 15.02 | LAST SDI MWD SURVEY SURFACE | |
| 1,959.00 | 1,924.04 | 317.25 | 18.83 | FIRST SDI MWD PRODUCTION SURVEY | |
| 7,184.00 | 6,903.41 | 1,046.87 | 19.57 | TOP OF PRODUCTION(298 FSL 1698 FWL) | |
| 7,500.00 | 7,005.54 | 751.58 | 21.01 | LANDING DEPTH(1 FSL 1663 FWL) | |
| 12,584.00 | 7,087.19 | -4,328.64 | 45.27 | LAST SDI MWD PRODUCTION SURVEY | |
| 12,739.00 | 7,096.36 | -4,483.10 | 36.12 | SDI PROJECTION TO TD(78 FSL 1686 FWL) | |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|