

US ROCKIES WATTENBERG PLANNING

**WELD-NAD83-UTMFT13N
4N-68W-11 S&B 5-11HZ PAD
SHAKE 11-3HZ**

Plan A

Plan: Permit Rev-1

SHL Lat/Long: 40.330320/-104.977199
Survey Program: MWD+IFR+MSA

Standard Planning Report

14 February, 2019

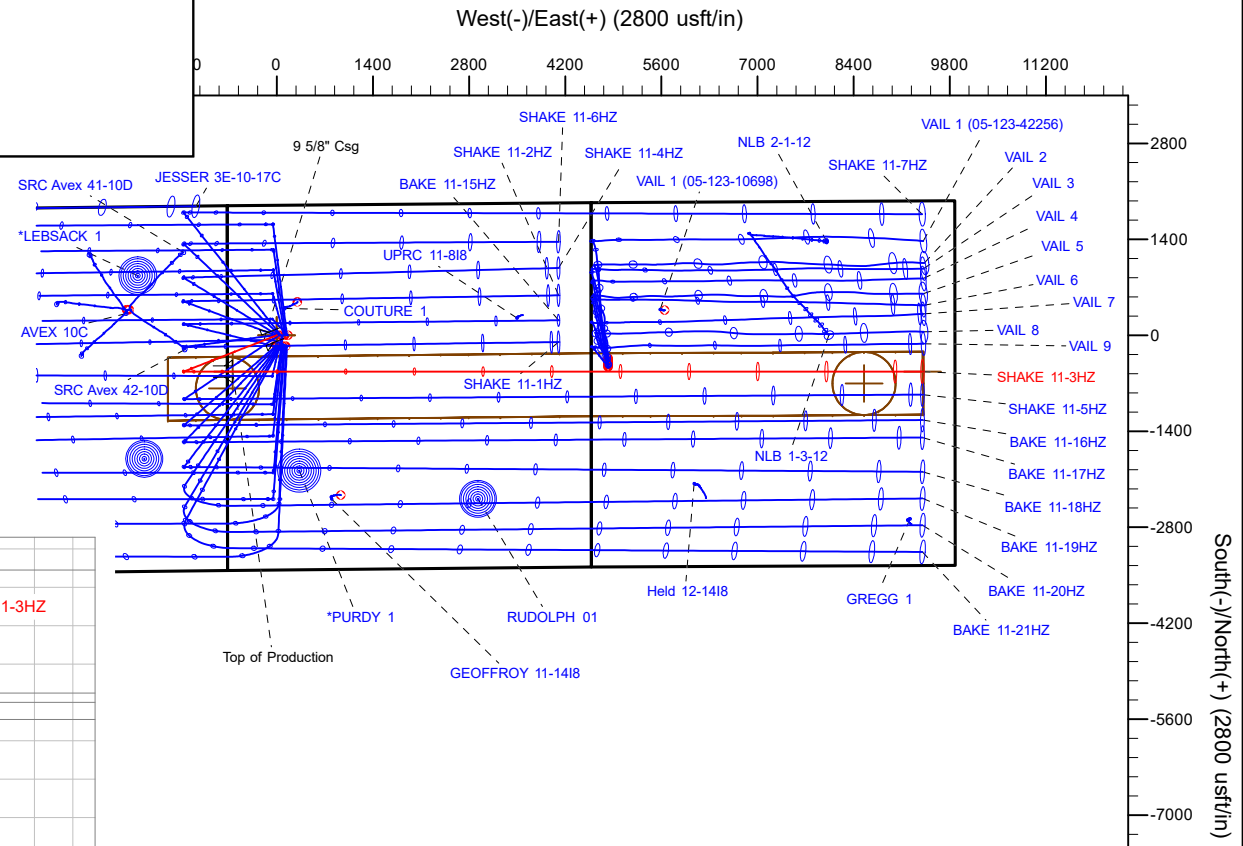
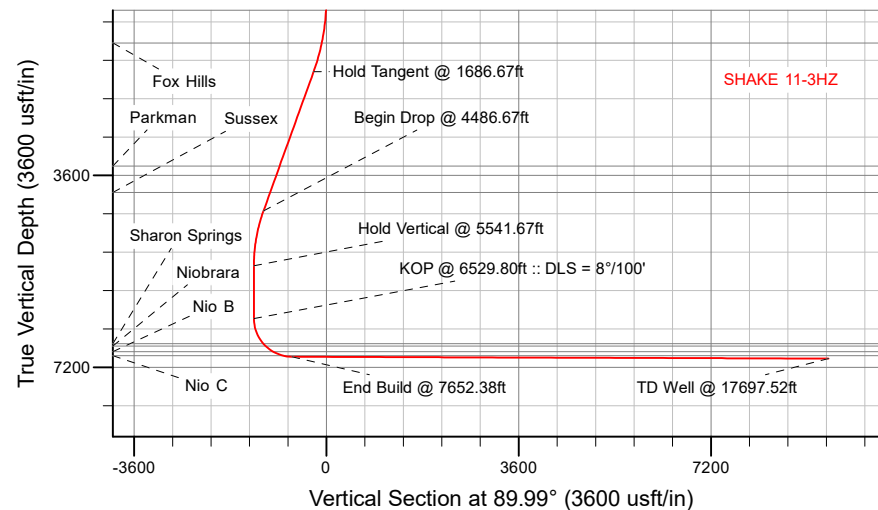
US ROCKIES WATTENBERG PLANNING

| CASING DETAILS | | | WELL DETAILS: SHAKE 11-3HZ GL = 4994.00 RKB = 17' @ 5011.00usft (Drilling Rig) |
|----------------|---------|-------|--|
| TVD | MD | Size | |
| 1500.00 | 1521.76 | 9-5/8 | |
| 7003.00 | 7652.38 | 5-1/2 | |

| SECTION DETAILS | | | | | | | | | | |
|-----------------|----------|-------|--------|---------|---------|----------|------|--------|----------|------------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 280.00 | 0.00 | 0.00 | 280.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1686.67 | 21.10 | 248.65 | 1655.09 | -93.24 | -238.52 | 1.50 | 248.65 | -238.54 | |
| 4 | 4486.67 | 21.10 | 248.65 | 4267.36 | -460.21 | -1177.34 | 0.00 | 0.00 | -1177.42 | |
| 5 | 5541.67 | 0.00 | 0.00 | 5298.67 | -530.14 | -1356.23 | 2.00 | 180.00 | -1356.33 | |
| 6 | 6529.80 | 0.00 | 0.00 | 6286.80 | -530.14 | -1356.23 | 0.00 | 0.00 | -1356.33 | |
| 7 | 7652.38 | 89.81 | 89.99 | 7003.00 | -530.00 | -642.46 | 8.00 | 89.99 | -642.55 | |
| 8 | 17697.52 | 89.81 | 89.99 | 7037.00 | -528.02 | 9402.63 | 0.00 | 0.00 | 9402.54 | SHAKE 11-3HZ_BHL |

| WELLBORE TARGET DETAILS (LAT/LONG) | | | | | |
|------------------------------------|---------|---------|---------|-----------|-------------|
| Name | TVD | +N/-S | +E/-W | Latitude | Longitude |
| SHAKE 11-3HZ_SHL | 0.00 | 0.00 | 0.00 | 40.330320 | -104.977199 |
| SHAKE 11-3HZ_BHL | 7037.00 | -528.02 | 9402.63 | 40.328865 | -104.943462 |
| FORMATION TOP DETAILS | | | | | |

| FORMATION TOP DETAILS | | |
|-----------------------|---------|----------------|
| TVDPPath | MDPPath | Formation |
| 1119.00 | 1125.90 | Fox Hills |
| 3424.00 | 3582.70 | Parkman |
| 3920.00 | 4114.35 | Sussex |
| 6757.00 | 7042.73 | Sharon Springs |
| 6800.00 | 7101.94 | Niobrara |
| 6907.00 | 7279.70 | Nio B |
| 6982.00 | 7480.93 | Nio C |



Plan: Permit Rev-1 (SHAKE 11-3HZ/Plan A)

Date: 2/14/2019

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well SHAKE 11-3HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Site: | 4N-68W-11 S&B 5-11HZ PAD | North Reference: | True |
| Well: | SHAKE 11-3HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-1 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| 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 | | 4N-68W-11 S&B 5-11HZ PAD | | | |
| Site Position: | | Northing: | 14,647,020.58 usft | Latitude: | 40.330320 |
| From: | Lat/Long | Easting: | 1,646,741.13 usft | Longitude: | -104.977307 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.01 ° |

| | | | | | | |
|----------------------|--------------|------------|---------------------|--------------------|---------------|---------------|
| Well | SHAKE 11-3HZ | | | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 14,647,020.59 usft | Latitude: | 40.330320 |
| | +E/-W | 30.10 usft | Easting: | 1,646,771.23 usft | Longitude: | -104.977199 |
| Position Uncertainty | | 3.28 usft | Wellhead Elevation: | | Ground Level: | 4,994.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Plan A | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2015 | 2/7/2019 | 8.14 | 66.72 | 52,144.98700762 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Permit Rev-1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 89.99 |

| | | | | |
|---------------------------------|------------------------|--------------------------|-----------------------|---|
| Plan Survey Tool Program | Date | 2/13/2019 | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks |
| 1 | 0.00 | 1,500.00 | Permit Rev-1 (Plan A) | APC_ISCWSA REV 2 MWD+I Fixed:v2:crustal field declinatio |
| 2 | 1,500.00 | 17,697.52 | Permit Rev-1 (Plan A) | APC_ISCWSA REV 2 MWD+I Fixed:v2:Rockies, crustal dec + |

Corporate
Planning Report

| | | | |
|-----------|--------------------------------|------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well SHAKE 11-3HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Site: | 4N-68W-11 S&B 5-11HZ PAD | North Reference: | True |
| Well: | SHAKE 11-3HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-1 | | |

| Plan Sections | | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|------------------------------|-----------------------------|------------|------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 280.00 | 0.00 | 0.00 | 280.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,686.67 | 21.10 | 248.65 | 1,655.09 | -93.24 | -238.52 | 1.50 | 1.50 | 0.00 | 248.65 | |
| 4,486.67 | 21.10 | 248.65 | 4,267.36 | -460.21 | -1,177.34 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,541.67 | 0.00 | 0.00 | 5,298.67 | -530.14 | -1,356.23 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 6,529.80 | 0.00 | 0.00 | 6,286.80 | -530.14 | -1,356.23 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,652.38 | 89.81 | 89.99 | 7,003.00 | -530.00 | -642.46 | 8.00 | 8.00 | 8.02 | 89.99 | |
| 17,697.52 | 89.81 | 89.99 | 7,037.00 | -528.02 | 9,402.63 | 0.00 | 0.00 | 0.00 | 0.00 | SHAKE 11-3HZ_BHL |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well SHAKE 11-3HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Site: | 4N-68W-11 S&B 5-11HZ PAD | North Reference: | True |
| Well: | SHAKE 11-3HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-1 | | |

| Planned Survey | | | | | | | | | |
|--------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280.00 | 0.00 | 0.00 | 280.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Begin Nudge @ 280.00ft | | | | | | | | | |
| 300.00 | 0.30 | 248.65 | 300.00 | -0.02 | -0.05 | -0.05 | 1.50 | 1.50 | 0.00 |
| 400.00 | 1.80 | 248.65 | 399.98 | -0.69 | -1.76 | -1.76 | 1.50 | 1.50 | 0.00 |
| 500.00 | 3.30 | 248.65 | 499.88 | -2.31 | -5.90 | -5.90 | 1.50 | 1.50 | 0.00 |
| 600.00 | 4.80 | 248.65 | 599.63 | -4.88 | -12.48 | -12.48 | 1.50 | 1.50 | 0.00 |
| 700.00 | 6.30 | 248.65 | 699.15 | -8.40 | -21.48 | -21.49 | 1.50 | 1.50 | 0.00 |
| 800.00 | 7.80 | 248.65 | 798.40 | -12.87 | -32.92 | -32.92 | 1.50 | 1.50 | 0.00 |
| 900.00 | 9.30 | 248.65 | 897.28 | -18.28 | -46.76 | -46.77 | 1.50 | 1.50 | 0.00 |
| 1,000.00 | 10.80 | 248.65 | 995.74 | -24.63 | -63.01 | -63.02 | 1.50 | 1.50 | 0.00 |
| 1,100.00 | 12.30 | 248.65 | 1,093.72 | -31.92 | -81.66 | -81.67 | 1.50 | 1.50 | 0.00 |
| 1,125.90 | 12.69 | 248.65 | 1,119.00 | -33.96 | -86.88 | -86.89 | 1.50 | 1.50 | 0.00 |
| Fox Hills | | | | | | | | | |
| 1,200.00 | 13.80 | 248.65 | 1,191.13 | -40.14 | -102.69 | -102.70 | 1.50 | 1.50 | 0.00 |
| 1,300.00 | 15.30 | 248.65 | 1,287.92 | -49.29 | -126.09 | -126.10 | 1.50 | 1.50 | 0.00 |
| 1,400.00 | 16.80 | 248.65 | 1,384.02 | -59.35 | -151.84 | -151.85 | 1.50 | 1.50 | 0.00 |
| 1,500.00 | 18.30 | 248.65 | 1,479.36 | -70.33 | -179.92 | -179.94 | 1.50 | 1.50 | 0.00 |
| 1,521.76 | 18.63 | 248.65 | 1,500.00 | -72.84 | -186.34 | -186.35 | 1.50 | 1.50 | 0.00 |
| 9 5/8" Csg | | | | | | | | | |
| 1,600.00 | 19.80 | 248.65 | 1,573.88 | -82.21 | -210.32 | -210.34 | 1.50 | 1.50 | 0.00 |
| 1,686.67 | 21.10 | 248.65 | 1,655.09 | -93.24 | -238.52 | -238.54 | 1.50 | 1.50 | 0.00 |
| Hold Tangent @ 1686.67ft | | | | | | | | | |
| 1,700.00 | 21.10 | 248.65 | 1,667.53 | -94.98 | -242.99 | -243.01 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 21.10 | 248.65 | 1,760.82 | -108.09 | -276.52 | -276.54 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 21.10 | 248.65 | 1,854.12 | -121.20 | -310.05 | -310.07 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 21.10 | 248.65 | 1,947.41 | -134.30 | -343.58 | -343.61 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 21.10 | 248.65 | 2,040.71 | -147.41 | -377.11 | -377.14 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 21.10 | 248.65 | 2,134.00 | -160.51 | -410.64 | -410.67 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 21.10 | 248.65 | 2,227.30 | -173.62 | -444.17 | -444.20 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 21.10 | 248.65 | 2,320.59 | -186.73 | -477.70 | -477.73 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 21.10 | 248.65 | 2,413.89 | -199.83 | -511.23 | -511.26 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 21.10 | 248.65 | 2,507.18 | -212.94 | -544.76 | -544.79 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 21.10 | 248.65 | 2,600.48 | -226.05 | -578.29 | -578.33 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 21.10 | 248.65 | 2,693.77 | -239.15 | -611.81 | -611.86 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 21.10 | 248.65 | 2,787.07 | -252.26 | -645.34 | -645.39 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 21.10 | 248.65 | 2,880.37 | -265.36 | -678.87 | -678.92 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 21.10 | 248.65 | 2,973.66 | -278.47 | -712.40 | -712.45 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 21.10 | 248.65 | 3,066.96 | -291.58 | -745.93 | -745.98 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 21.10 | 248.65 | 3,160.25 | -304.68 | -779.46 | -779.51 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 21.10 | 248.65 | 3,253.55 | -317.79 | -812.99 | -813.05 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 21.10 | 248.65 | 3,346.84 | -330.90 | -846.52 | -846.58 | 0.00 | 0.00 | 0.00 |
| 3,582.70 | 21.10 | 248.65 | 3,424.00 | -341.73 | -874.25 | -874.31 | 0.00 | 0.00 | 0.00 |
| Parkman | | | | | | | | | |
| 3,600.00 | 21.10 | 248.65 | 3,440.14 | -344.00 | -880.05 | -880.11 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 21.10 | 248.65 | 3,533.43 | -357.11 | -913.58 | -913.64 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 21.10 | 248.65 | 3,626.73 | -370.21 | -947.11 | -947.17 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 21.10 | 248.65 | 3,720.02 | -383.32 | -980.64 | -980.70 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 21.10 | 248.65 | 3,813.32 | -396.43 | -1,014.16 | -1,014.23 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 21.10 | 248.65 | 3,906.61 | -409.53 | -1,047.69 | -1,047.77 | 0.00 | 0.00 | 0.00 |
| 4,114.35 | 21.10 | 248.65 | 3,920.00 | -411.41 | -1,052.50 | -1,052.58 | 0.00 | 0.00 | 0.00 |

Corporate
Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well SHAKE 11-3HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Site: | 4N-68W-11 S&B 5-11HZ PAD | North Reference: | True |
| Well: | SHAKE 11-3HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-1 | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| Sussex | | | | | | | | | |
| 4,200.00 | 21.10 | 248.65 | 3,999.91 | -422.64 | -1,081.22 | -1,081.30 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 21.10 | 248.65 | 4,093.21 | -435.74 | -1,114.75 | -1,114.83 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 21.10 | 248.65 | 4,186.50 | -448.85 | -1,148.28 | -1,148.36 | 0.00 | 0.00 | 0.00 |
| 4,486.67 | 21.10 | 248.65 | 4,267.36 | -460.21 | -1,177.34 | -1,177.42 | 0.00 | 0.00 | 0.00 |
| Begin Drop @ 4486.67ft | | | | | | | | | |
| 4,500.00 | 20.83 | 248.65 | 4,279.81 | -461.95 | -1,181.78 | -1,181.86 | 2.00 | -2.00 | 0.00 |
| 4,600.00 | 18.83 | 248.65 | 4,373.87 | -474.30 | -1,213.38 | -1,213.47 | 2.00 | -2.00 | 0.00 |
| 4,700.00 | 16.83 | 248.65 | 4,469.06 | -485.45 | -1,241.90 | -1,241.99 | 2.00 | -2.00 | 0.00 |
| 4,800.00 | 14.83 | 248.65 | 4,565.26 | -495.38 | -1,267.31 | -1,267.40 | 2.00 | -2.00 | 0.00 |
| 4,900.00 | 12.83 | 248.65 | 4,662.36 | -504.08 | -1,289.58 | -1,289.67 | 2.00 | -2.00 | 0.00 |
| 5,000.00 | 10.83 | 248.65 | 4,760.23 | -511.55 | -1,308.68 | -1,308.77 | 2.00 | -2.00 | 0.00 |
| 5,100.00 | 8.83 | 248.65 | 4,858.75 | -517.77 | -1,324.59 | -1,324.68 | 2.00 | -2.00 | 0.00 |
| 5,200.00 | 6.83 | 248.65 | 4,957.81 | -522.73 | -1,337.28 | -1,337.37 | 2.00 | -2.00 | 0.00 |
| 5,300.00 | 4.83 | 248.65 | 5,057.29 | -526.43 | -1,346.74 | -1,346.84 | 2.00 | -2.00 | 0.00 |
| 5,400.00 | 2.83 | 248.65 | 5,157.06 | -528.86 | -1,352.97 | -1,353.06 | 2.00 | -2.00 | 0.00 |
| 5,500.00 | 0.83 | 248.65 | 5,257.01 | -530.03 | -1,355.95 | -1,356.04 | 2.00 | -2.00 | 0.00 |
| 5,541.67 | 0.00 | 0.00 | 5,298.67 | -530.14 | -1,356.23 | -1,356.33 | 2.00 | -2.00 | 0.00 |
| Hold Vertical @ 5541.67ft | | | | | | | | | |
| 5,600.00 | 0.00 | 0.00 | 5,357.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.00 | 5,457.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.00 | 5,557.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.00 | 5,657.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 0.00 | 0.00 | 5,757.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.00 | 0.00 | 5,857.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 5,957.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,057.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,157.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,257.00 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| 6,529.80 | 0.00 | 0.00 | 6,286.80 | -530.14 | -1,356.23 | -1,356.33 | 0.00 | 0.00 | 0.00 |
| KOP @ 6529.80ft :: DLS = 8°/100' | | | | | | | | | |
| 6,600.00 | 5.62 | 89.99 | 6,356.89 | -530.14 | -1,352.80 | -1,352.89 | 8.00 | 8.00 | 0.00 |
| 6,700.00 | 13.62 | 89.99 | 6,455.41 | -530.13 | -1,336.10 | -1,336.20 | 8.00 | 8.00 | 0.00 |
| 6,800.00 | 21.62 | 89.99 | 6,550.64 | -530.13 | -1,305.87 | -1,305.96 | 8.00 | 8.00 | 0.00 |
| 6,900.00 | 29.62 | 89.99 | 6,640.74 | -530.12 | -1,262.67 | -1,262.76 | 8.00 | 8.00 | 0.00 |
| 7,000.00 | 37.62 | 89.99 | 6,723.95 | -530.11 | -1,207.35 | -1,207.44 | 8.00 | 8.00 | 0.00 |
| 7,042.73 | 41.03 | 89.99 | 6,757.00 | -530.10 | -1,180.27 | -1,180.36 | 8.00 | 8.00 | 0.00 |
| Sharon Springs | | | | | | | | | |
| 7,100.00 | 45.62 | 89.99 | 6,798.65 | -530.09 | -1,140.99 | -1,141.08 | 8.00 | 8.00 | 0.00 |
| 7,101.94 | 45.77 | 89.99 | 6,800.00 | -530.09 | -1,139.60 | -1,139.70 | 8.00 | 8.00 | 0.00 |
| Niobrara | | | | | | | | | |
| 7,200.00 | 53.62 | 89.99 | 6,863.39 | -530.08 | -1,064.88 | -1,064.97 | 8.00 | 8.00 | 0.00 |
| 7,279.70 | 59.99 | 89.99 | 6,907.00 | -530.07 | -998.22 | -998.31 | 8.00 | 8.00 | 0.00 |
| Nio B | | | | | | | | | |
| 7,300.00 | 61.62 | 89.99 | 6,916.90 | -530.06 | -980.50 | -980.59 | 8.00 | 8.00 | 0.00 |
| 7,400.00 | 69.62 | 89.99 | 6,958.15 | -530.04 | -889.49 | -889.59 | 8.00 | 8.00 | 0.00 |
| 7,480.93 | 76.09 | 89.99 | 6,982.00 | -530.03 | -812.20 | -812.30 | 8.00 | 8.00 | 0.00 |
| Nio C | | | | | | | | | |
| 7,500.00 | 77.62 | 89.99 | 6,986.34 | -530.03 | -793.63 | -793.73 | 8.00 | 8.00 | 0.00 |
| 7,600.00 | 85.62 | 89.99 | 7,000.91 | -530.01 | -694.78 | -694.87 | 8.00 | 8.00 | 0.00 |
| 7,652.38 | 89.81 | 89.99 | 7,003.00 | -530.00 | -642.46 | -642.55 | 8.00 | 8.00 | 0.00 |
| End Build @ 7652.38ft - Top of Production | | | | | | | | | |
| 7,700.00 | 89.81 | 89.99 | 7,003.16 | -529.99 | -594.84 | -594.93 | 0.00 | 0.00 | 0.00 |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well SHAKE 11-3HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Site: | 4N-68W-11 S&B 5-11HZ PAD | North Reference: | True |
| Well: | SHAKE 11-3HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-1 | | |

| Planned Survey | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 7,800.00 | 89.81 | 89.99 | 7,003.50 | -529.97 | -494.84 | -494.93 | 0.00 | 0.00 | 0.00 | |
| 7,900.00 | 89.81 | 89.99 | 7,003.84 | -529.95 | -394.84 | -394.93 | 0.00 | 0.00 | 0.00 | |
| 8,000.00 | 89.81 | 89.99 | 7,004.17 | -529.93 | -294.84 | -294.93 | 0.00 | 0.00 | 0.00 | |
| 8,100.00 | 89.81 | 89.99 | 7,004.51 | -529.91 | -194.84 | -194.93 | 0.00 | 0.00 | 0.00 | |
| 8,200.00 | 89.81 | 89.99 | 7,004.85 | -529.89 | -94.84 | -94.93 | 0.00 | 0.00 | 0.00 | |
| 8,300.00 | 89.81 | 89.99 | 7,005.19 | -529.87 | 5.16 | 5.07 | 0.00 | 0.00 | 0.00 | |
| 8,400.00 | 89.81 | 89.99 | 7,005.53 | -529.85 | 105.16 | 105.07 | 0.00 | 0.00 | 0.00 | |
| 8,500.00 | 89.81 | 89.99 | 7,005.87 | -529.83 | 205.16 | 205.07 | 0.00 | 0.00 | 0.00 | |
| 8,600.00 | 89.81 | 89.99 | 7,006.21 | -529.81 | 305.16 | 305.07 | 0.00 | 0.00 | 0.00 | |
| 8,700.00 | 89.81 | 89.99 | 7,006.54 | -529.79 | 405.16 | 405.07 | 0.00 | 0.00 | 0.00 | |
| 8,800.00 | 89.81 | 89.99 | 7,006.88 | -529.77 | 505.16 | 505.07 | 0.00 | 0.00 | 0.00 | |
| 8,900.00 | 89.81 | 89.99 | 7,007.22 | -529.75 | 605.16 | 605.06 | 0.00 | 0.00 | 0.00 | |
| 9,000.00 | 89.81 | 89.99 | 7,007.56 | -529.73 | 705.16 | 705.06 | 0.00 | 0.00 | 0.00 | |
| 9,100.00 | 89.81 | 89.99 | 7,007.90 | -529.71 | 805.16 | 805.06 | 0.00 | 0.00 | 0.00 | |
| 9,200.00 | 89.81 | 89.99 | 7,008.24 | -529.69 | 905.16 | 905.06 | 0.00 | 0.00 | 0.00 | |
| 9,300.00 | 89.81 | 89.99 | 7,008.58 | -529.67 | 1,005.15 | 1,005.06 | 0.00 | 0.00 | 0.00 | |
| 9,400.00 | 89.81 | 89.99 | 7,008.91 | -529.65 | 1,105.15 | 1,105.06 | 0.00 | 0.00 | 0.00 | |
| 9,500.00 | 89.81 | 89.99 | 7,009.25 | -529.63 | 1,205.15 | 1,205.06 | 0.00 | 0.00 | 0.00 | |
| 9,600.00 | 89.81 | 89.99 | 7,009.59 | -529.61 | 1,305.15 | 1,305.06 | 0.00 | 0.00 | 0.00 | |
| 9,700.00 | 89.81 | 89.99 | 7,009.93 | -529.59 | 1,405.15 | 1,405.06 | 0.00 | 0.00 | 0.00 | |
| 9,800.00 | 89.81 | 89.99 | 7,010.27 | -529.57 | 1,505.15 | 1,505.06 | 0.00 | 0.00 | 0.00 | |
| 9,900.00 | 89.81 | 89.99 | 7,010.61 | -529.55 | 1,605.15 | 1,605.06 | 0.00 | 0.00 | 0.00 | |
| 10,000.00 | 89.81 | 89.99 | 7,010.94 | -529.53 | 1,705.15 | 1,705.06 | 0.00 | 0.00 | 0.00 | |
| 10,100.00 | 89.81 | 89.99 | 7,011.28 | -529.51 | 1,805.15 | 1,805.06 | 0.00 | 0.00 | 0.00 | |
| 10,200.00 | 89.81 | 89.99 | 7,011.62 | -529.49 | 1,905.15 | 1,905.06 | 0.00 | 0.00 | 0.00 | |
| 10,300.00 | 89.81 | 89.99 | 7,011.96 | -529.47 | 2,005.15 | 2,005.06 | 0.00 | 0.00 | 0.00 | |
| 10,400.00 | 89.81 | 89.99 | 7,012.30 | -529.45 | 2,105.15 | 2,105.06 | 0.00 | 0.00 | 0.00 | |
| 10,500.00 | 89.81 | 89.99 | 7,012.64 | -529.43 | 2,205.15 | 2,205.06 | 0.00 | 0.00 | 0.00 | |
| 10,600.00 | 89.81 | 89.99 | 7,012.98 | -529.42 | 2,305.15 | 2,305.06 | 0.00 | 0.00 | 0.00 | |
| 10,700.00 | 89.81 | 89.99 | 7,013.31 | -529.40 | 2,405.15 | 2,405.05 | 0.00 | 0.00 | 0.00 | |
| 10,800.00 | 89.81 | 89.99 | 7,013.65 | -529.38 | 2,505.15 | 2,505.05 | 0.00 | 0.00 | 0.00 | |
| 10,900.00 | 89.81 | 89.99 | 7,013.99 | -529.36 | 2,605.15 | 2,605.05 | 0.00 | 0.00 | 0.00 | |
| 11,000.00 | 89.81 | 89.99 | 7,014.33 | -529.34 | 2,705.15 | 2,705.05 | 0.00 | 0.00 | 0.00 | |
| 11,100.00 | 89.81 | 89.99 | 7,014.67 | -529.32 | 2,805.14 | 2,805.05 | 0.00 | 0.00 | 0.00 | |
| 11,200.00 | 89.81 | 89.99 | 7,015.01 | -529.30 | 2,905.14 | 2,905.05 | 0.00 | 0.00 | 0.00 | |
| 11,300.00 | 89.81 | 89.99 | 7,015.34 | -529.28 | 3,005.14 | 3,005.05 | 0.00 | 0.00 | 0.00 | |
| 11,400.00 | 89.81 | 89.99 | 7,015.68 | -529.26 | 3,105.14 | 3,105.05 | 0.00 | 0.00 | 0.00 | |
| 11,500.00 | 89.81 | 89.99 | 7,016.02 | -529.24 | 3,205.14 | 3,205.05 | 0.00 | 0.00 | 0.00 | |
| 11,600.00 | 89.81 | 89.99 | 7,016.36 | -529.22 | 3,305.14 | 3,305.05 | 0.00 | 0.00 | 0.00 | |
| 11,700.00 | 89.81 | 89.99 | 7,016.70 | -529.20 | 3,405.14 | 3,405.05 | 0.00 | 0.00 | 0.00 | |
| 11,800.00 | 89.81 | 89.99 | 7,017.04 | -529.18 | 3,505.14 | 3,505.05 | 0.00 | 0.00 | 0.00 | |
| 11,900.00 | 89.81 | 89.99 | 7,017.38 | -529.16 | 3,605.14 | 3,605.05 | 0.00 | 0.00 | 0.00 | |
| 12,000.00 | 89.81 | 89.99 | 7,017.71 | -529.14 | 3,705.14 | 3,705.05 | 0.00 | 0.00 | 0.00 | |
| 12,100.00 | 89.81 | 89.99 | 7,018.05 | -529.12 | 3,805.14 | 3,805.05 | 0.00 | 0.00 | 0.00 | |
| 12,200.00 | 89.81 | 89.99 | 7,018.39 | -529.10 | 3,905.14 | 3,905.05 | 0.00 | 0.00 | 0.00 | |
| 12,300.00 | 89.81 | 89.99 | 7,018.73 | -529.08 | 4,005.14 | 4,005.05 | 0.00 | 0.00 | 0.00 | |
| 12,400.00 | 89.81 | 89.99 | 7,019.07 | -529.06 | 4,105.14 | 4,105.04 | 0.00 | 0.00 | 0.00 | |
| 12,500.00 | 89.81 | 89.99 | 7,019.41 | -529.04 | 4,205.14 | 4,205.04 | 0.00 | 0.00 | 0.00 | |
| 12,600.00 | 89.81 | 89.99 | 7,019.75 | -529.02 | 4,305.14 | 4,305.04 | 0.00 | 0.00 | 0.00 | |
| 12,700.00 | 89.81 | 89.99 | 7,020.08 | -529.00 | 4,405.14 | 4,405.04 | 0.00 | 0.00 | 0.00 | |
| 12,800.00 | 89.81 | 89.99 | 7,020.42 | -528.98 | 4,505.13 | 4,505.04 | 0.00 | 0.00 | 0.00 | |
| 12,900.00 | 89.81 | 89.99 | 7,020.76 | -528.96 | 4,605.13 | 4,605.04 | 0.00 | 0.00 | 0.00 | |
| 13,000.00 | 89.81 | 89.99 | 7,021.10 | -528.94 | 4,705.13 | 4,705.04 | 0.00 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well SHAKE 11-3HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Site: | 4N-68W-11 S&B 5-11HZ PAD | North Reference: | True |
| Well: | SHAKE 11-3HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-1 | | |

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 13,100.00 | 89.81 | 89.99 | 7,021.44 | -528.92 | 4,805.13 | 4,805.04 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 89.81 | 89.99 | 7,021.78 | -528.90 | 4,905.13 | 4,905.04 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 89.81 | 89.99 | 7,022.11 | -528.88 | 5,005.13 | 5,005.04 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 89.81 | 89.99 | 7,022.45 | -528.86 | 5,105.13 | 5,105.04 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 89.81 | 89.99 | 7,022.79 | -528.84 | 5,205.13 | 5,205.04 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 89.81 | 89.99 | 7,023.13 | -528.82 | 5,305.13 | 5,305.04 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 89.81 | 89.99 | 7,023.47 | -528.80 | 5,405.13 | 5,405.04 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 89.81 | 89.99 | 7,023.81 | -528.78 | 5,505.13 | 5,505.04 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 89.81 | 89.99 | 7,024.15 | -528.76 | 5,605.13 | 5,605.04 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 89.81 | 89.99 | 7,024.48 | -528.74 | 5,705.13 | 5,705.04 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 89.81 | 89.99 | 7,024.82 | -528.72 | 5,805.13 | 5,805.04 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 89.81 | 89.99 | 7,025.16 | -528.71 | 5,905.13 | 5,905.03 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 89.81 | 89.99 | 7,025.50 | -528.69 | 6,005.13 | 6,005.03 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 89.81 | 89.99 | 7,025.84 | -528.67 | 6,105.13 | 6,105.03 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 89.81 | 89.99 | 7,026.18 | -528.65 | 6,205.13 | 6,205.03 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 89.81 | 89.99 | 7,026.52 | -528.63 | 6,305.12 | 6,305.03 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 89.81 | 89.99 | 7,026.85 | -528.61 | 6,405.12 | 6,405.03 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 89.81 | 89.99 | 7,027.19 | -528.59 | 6,505.12 | 6,505.03 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 89.81 | 89.99 | 7,027.53 | -528.57 | 6,605.12 | 6,605.03 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 89.81 | 89.99 | 7,027.87 | -528.55 | 6,705.12 | 6,705.03 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 89.81 | 89.99 | 7,028.21 | -528.53 | 6,805.12 | 6,805.03 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 89.81 | 89.99 | 7,028.55 | -528.51 | 6,905.12 | 6,905.03 | 0.00 | 0.00 | 0.00 |
| 15,300.00 | 89.81 | 89.99 | 7,028.88 | -528.49 | 7,005.12 | 7,005.03 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 89.81 | 89.99 | 7,029.22 | -528.47 | 7,105.12 | 7,105.03 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 89.81 | 89.99 | 7,029.56 | -528.45 | 7,205.12 | 7,205.03 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 89.81 | 89.99 | 7,029.90 | -528.43 | 7,305.12 | 7,305.03 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 89.81 | 89.99 | 7,030.24 | -528.41 | 7,405.12 | 7,405.03 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 89.81 | 89.99 | 7,030.58 | -528.39 | 7,505.12 | 7,505.03 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 89.81 | 89.99 | 7,030.92 | -528.37 | 7,605.12 | 7,605.02 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 89.81 | 89.99 | 7,031.25 | -528.35 | 7,705.12 | 7,705.02 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 89.81 | 89.99 | 7,031.59 | -528.33 | 7,805.12 | 7,805.02 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 89.81 | 89.99 | 7,031.93 | -528.31 | 7,905.12 | 7,905.02 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 89.81 | 89.99 | 7,032.27 | -528.29 | 8,005.11 | 8,005.02 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 89.81 | 89.99 | 7,032.61 | -528.27 | 8,105.11 | 8,105.02 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 89.81 | 89.99 | 7,032.95 | -528.25 | 8,205.11 | 8,205.02 | 0.00 | 0.00 | 0.00 |
| 16,600.00 | 89.81 | 89.99 | 7,033.29 | -528.23 | 8,305.11 | 8,305.02 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 89.81 | 89.99 | 7,033.62 | -528.21 | 8,405.11 | 8,405.02 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 89.81 | 89.99 | 7,033.96 | -528.19 | 8,505.11 | 8,505.02 | 0.00 | 0.00 | 0.00 |
| 16,900.00 | 89.81 | 89.99 | 7,034.30 | -528.17 | 8,605.11 | 8,605.02 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 89.81 | 89.99 | 7,034.64 | -528.15 | 8,705.11 | 8,705.02 | 0.00 | 0.00 | 0.00 |
| 17,100.00 | 89.81 | 89.99 | 7,034.98 | -528.13 | 8,805.11 | 8,805.02 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 89.81 | 89.99 | 7,035.32 | -528.11 | 8,905.11 | 8,905.02 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 89.81 | 89.99 | 7,035.65 | -528.09 | 9,005.11 | 9,005.02 | 0.00 | 0.00 | 0.00 |
| 17,400.00 | 89.81 | 89.99 | 7,035.99 | -528.07 | 9,105.11 | 9,105.02 | 0.00 | 0.00 | 0.00 |
| 17,500.00 | 89.81 | 89.99 | 7,036.33 | -528.05 | 9,205.11 | 9,205.02 | 0.00 | 0.00 | 0.00 |
| 17,600.00 | 89.81 | 89.99 | 7,036.67 | -528.03 | 9,305.11 | 9,305.02 | 0.00 | 0.00 | 0.00 |
| 17,697.52 | 89.81 | 89.99 | 7,037.00 | -528.02 | 9,402.63 | 9,402.54 | 0.00 | 0.00 | 0.00 |

TD Well @ 17697.52ft

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well SHAKE 11-3HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 5011.00usft (Drilling Rig) |
| Site: | 4N-68W-11 S&B 5-11HZ PAD | North Reference: | True |
| Well: | SHAKE 11-3HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-1 | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|-------------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,521.76 | 1,500.00 | 9 5/8" Csg | 9-5/8 | 13-1/2 | |
| 7,652.38 | 7,003.00 | Top of Production | 5-1/2 | 7-7/8 | |

| Formations | | | | | | |
|-----------------------|-----------------------|----------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 1,125.90 | 1,119.00 | Fox Hills | | | | |
| 3,582.70 | 3,424.00 | Parkman | | | | |
| 4,114.35 | 3,920.00 | Sussex | | | | |
| 7,042.73 | 6,757.00 | Sharon Springs | | | | |
| 7,101.94 | 6,800.00 | Niobrara | | | | |
| 7,279.70 | 6,907.00 | Nio B | | | | |
| 7,480.93 | 6,982.00 | Nio C | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 280.00 | 280.00 | 0.00 | 0.00 | Begin Nudge @ 280.00ft | |
| 1,686.67 | 1,655.09 | -93.24 | -238.52 | Hold Tangent @ 1686.67ft | |
| 4,486.67 | 4,267.36 | -460.21 | -1,177.34 | Begin Drop @ 4486.67ft | |
| 5,541.67 | 5,298.67 | -530.14 | -1,356.23 | Hold Vertical @ 5541.67ft | |
| 6,529.80 | 6,286.80 | -530.14 | -1,356.23 | KOP @ 6529.80ft :: DLS = 8°/100' | |
| 7,652.38 | 7,003.00 | -530.00 | -642.46 | End Build @ 7652.38ft | |
| 17,697.52 | 7,037.00 | -528.02 | 9,402.63 | TD Well @ 17697.52ft | |