

US ROCKIES WATTENBERG PLANNING

WELD-NAD83-UTMFT13N

5N-67W-18 PROWANT 4-18HZ PAD

PROWANT 18-5HZ

Plan A

Plan: Permit Rev-3

SHL Lat/Long: 40.405008°/-104.942140°

Survey Program: MWD+IFR+MSA

Standard Planning Report

31 December, 2018

Project: WELD-NAD83-UTMFT13N
Site: 5N-67W-18 PROWANT 4-18HZ PAD
Well: PROWANT 18-5HZ
Wellbore: Plan A
Design: Permit Rev-3

US ROCKIES WATTENBERG PLANNING

| CASING DETAILS | | | WELL DETAILS: PROWANT 18-5HZ |
|--------------------|--------------------|----------------|--|
| TVD | MD | Size | |
| 1500.00 7204.00 | 1505.14 7623.04 | 9-5/8 5-1/2 | |
| | | | GL = 4939.00 RKB = 17' @ 4956.00usft (Drilling Rig) |

SECTION DETAILS

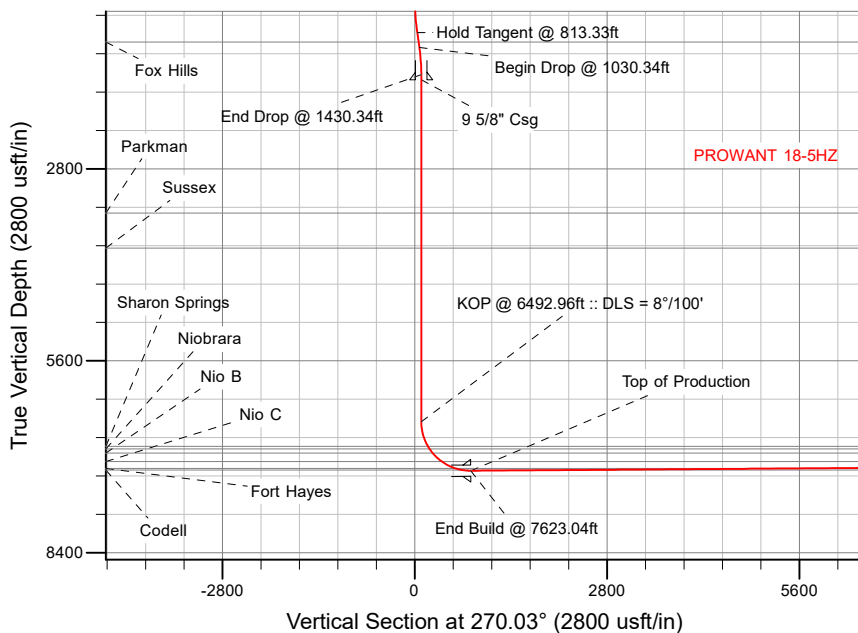
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSec | Target |
|-----|----------|-------|--------|---------|-------|-----------|------|--------|----------|--------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 280.00 | 0.00 | 0.00 | 280.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 813.33 | 8.00 | 270.00 | 811.60 | 0.00 | -37.17 | 1.50 | 270.00 | 37.17 | |
| 4 | 1030.34 | 8.00 | 270.00 | 1026.50 | 0.00 | -67.37 | 0.00 | 0.00 | 67.37 | |
| 5 | 1430.34 | 0.00 | 0.00 | 1425.20 | 0.00 | -95.25 | 2.00 | 180.00 | 95.25 | |
| 6 | 6492.96 | 0.00 | 0.00 | 6487.82 | 0.00 | -95.25 | 0.00 | 0.00 | 95.25 | |
| 7 | 7623.04 | 90.41 | 270.03 | 7204.00 | 0.38 | -816.54 | 8.00 | 270.03 | 816.54 | |
| 8 | 20444.11 | 90.41 | 270.03 | 7113.00 | 7.23 | -13637.28 | 0.00 | 0.00 | 13637.28 | PROWANT 18-5HZ_BHL |

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude |
|--------------------|---------|-------|-----------|-----------|-------------|
| PROWANT 18-5HZ_SHL | 0.00 | 0.00 | 0.00 | 40.405008 | -104.942140 |
| PROWANT 18-5HZ_BHL | 7113.00 | 7.23 | -13637.28 | 40.405017 | -104.991126 |

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|----------------|
| 949.00 | 952.08 | Fox Hills |
| 3445.00 | 3450.14 | Parkman |
| 3956.00 | 3961.14 | Sussex |
| 6849.00 | 6871.53 | Sharon Springs |
| 6885.00 | 6913.97 | Niobrara |
| 6947.00 | 6991.42 | Nio B |
| 7070.00 | 7172.69 | Nio C |
| 7171.00 | 7399.65 | Fort Hayes |
| 7193.00 | 7492.18 | Codell |

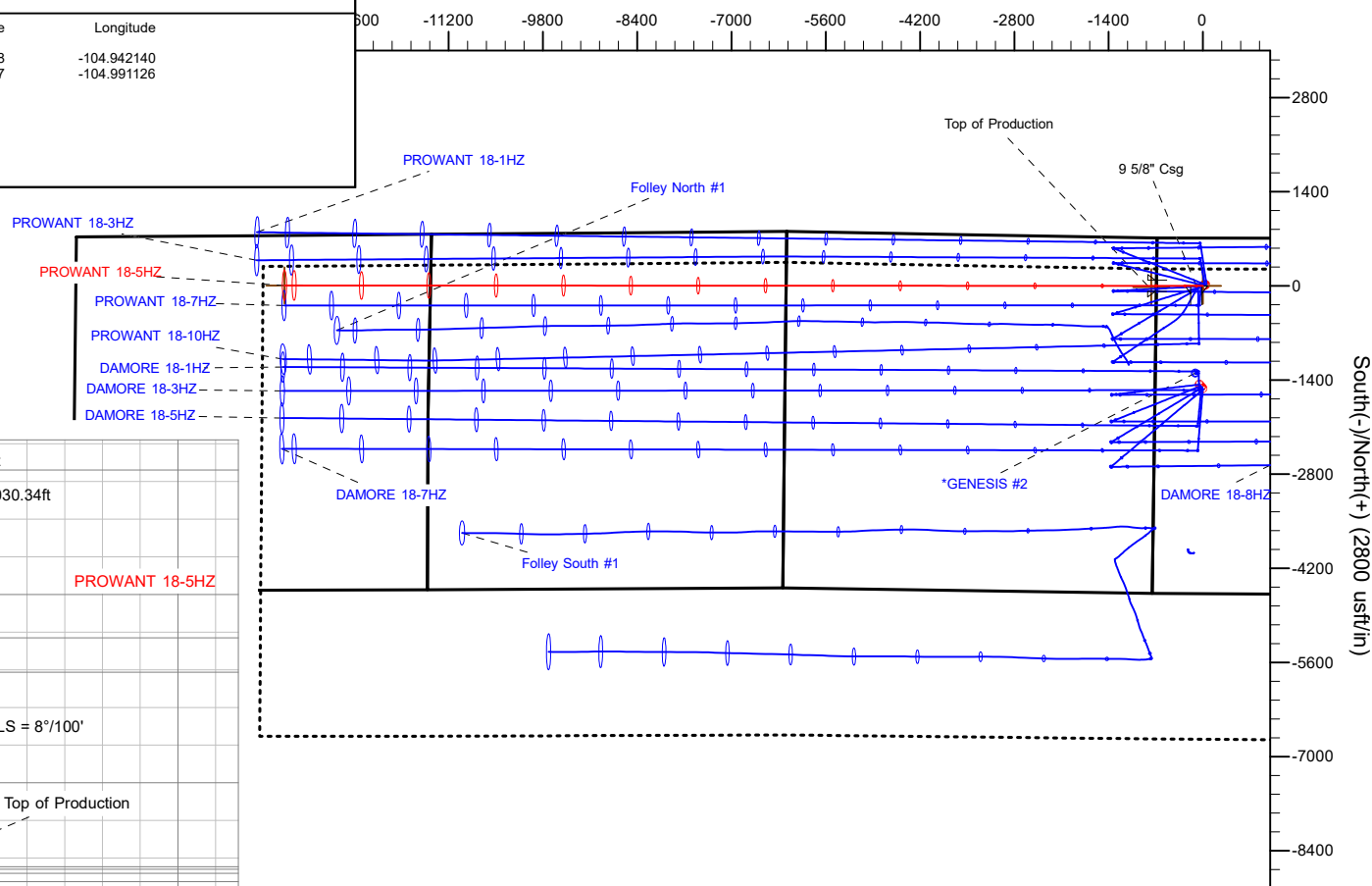


SHL
711' FNL
690' FWL

HEEL
713' FNL
128' FEL

TOE
743' FNL
2170' FEL

West(-)/East(+) (2800 usft/in)



Plan: Permit Rev-3 (PROWANT 18-5HZ/Plan A)

Date: 12/31/2018

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well PROWANT 18-5HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Site: | 5N-67W-18 PROWANT 4-18HZ PAD | North Reference: | True |
| Well: | PROWANT 18-5HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-3 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| 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 | | 5N-67W-18 PROWANT 4-18HZ PAD | | | |
| Site Position: | | Northing: | 14,674,247.77 usft | Latitude: | 40.405074 |
| From: | Lat/Long | Easting: | 1,656,579.10 usft | Longitude: | -104.941943 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.04 ° |

| Well | PROWANT 18-5HZ | | | | | |
|----------------------|----------------|-------------|---------------------|--------------------|---------------|---------------|
| Well Position | +N/-S | -24.03 usft | Northing: | 14,674,223.70 usft | Latitude: | 40.405008 |
| | +E/-W | -54.84 usft | Easting: | 1,656,524.27 usft | Longitude: | -104.942140 |
| Position Uncertainty | | 3.28 usft | Wellhead Elevation: | | Ground Level: | 4,939.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Plan A | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2015 | 9/21/2018 | 8.17 | 66.80 | 52,231.23546222 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Permit Rev-3 | | | |
| 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 | 270.03 |

| | | | | |
|---------------------------------|------------------------|--------------------------|-----------------------|---|
| Plan Survey Tool Program | Date | 12/30/2018 | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks |
| 1 | 0.00 | 1,500.00 | Permit Rev-3 (Plan A) | APC_ISCWSA REV 2 MWD+I Fixed:v2:crustal field declinatio |
| 2 | 1,500.00 | 20,444.11 | Permit Rev-3 (Plan A) | APC_ISCWSA REV 2 MWD+I Fixed:v2:Rockies, crustal dec + |

Corporate
Planning Report

| | | | |
|-----------|--------------------------------|------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well PROWANT 18-5HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Site: | 5N-67W-18 PROWANT 4-18HZ PAD | North Reference: | True |
| Well: | PROWANT 18-5HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-3 | | |

| 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 | |
| 813.33 | 8.00 | 270.00 | 811.60 | 0.00 | -37.17 | 1.50 | 1.50 | 0.00 | 270.00 | |
| 1,030.34 | 8.00 | 270.00 | 1,026.50 | 0.00 | -67.37 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,430.34 | 0.00 | 0.00 | 1,425.20 | 0.00 | -95.25 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 6,492.96 | 0.00 | 0.00 | 6,487.82 | 0.00 | -95.25 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,623.04 | 90.41 | 270.03 | 7,204.00 | 0.38 | -816.54 | 8.00 | 8.00 | -7.96 | 270.03 | |
| 20,444.11 | 90.41 | 270.03 | 7,113.00 | 7.23 | -13,637.28 | 0.00 | 0.00 | 0.00 | 0.00 | PROWANT 18-5HZ_E |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well PROWANT 18-5HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Site: | 5N-67W-18 PROWANT 4-18HZ PAD | North Reference: | True |
| Well: | PROWANT 18-5HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-3 | | |

| 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 | 270.00 | 300.00 | 0.00 | -0.05 | 0.05 | 1.50 | 1.50 | 0.00 |
| 400.00 | 1.80 | 270.00 | 399.98 | 0.00 | -1.88 | 1.88 | 1.50 | 1.50 | 0.00 |
| 500.00 | 3.30 | 270.00 | 499.88 | 0.00 | -6.33 | 6.33 | 1.50 | 1.50 | 0.00 |
| 600.00 | 4.80 | 270.00 | 599.63 | 0.00 | -13.40 | 13.40 | 1.50 | 1.50 | 0.00 |
| 700.00 | 6.30 | 270.00 | 699.15 | 0.00 | -23.07 | 23.07 | 1.50 | 1.50 | 0.00 |
| 800.00 | 7.80 | 270.00 | 798.40 | 0.00 | -35.34 | 35.34 | 1.50 | 1.50 | 0.00 |
| 813.33 | 8.00 | 270.00 | 811.60 | 0.00 | -37.17 | 37.17 | 1.50 | 1.50 | 0.00 |
| Hold Tangent @ 813.33ft | | | | | | | | | |
| 900.00 | 8.00 | 270.00 | 897.43 | 0.00 | -49.23 | 49.23 | 0.00 | 0.00 | 0.00 |
| 952.08 | 8.00 | 270.00 | 949.00 | 0.00 | -56.48 | 56.48 | 0.00 | 0.00 | 0.00 |
| Fox Hills | | | | | | | | | |
| 1,000.00 | 8.00 | 270.00 | 996.45 | 0.00 | -63.15 | 63.15 | 0.00 | 0.00 | 0.00 |
| 1,030.34 | 8.00 | 270.00 | 1,026.50 | 0.00 | -67.37 | 67.37 | 0.00 | 0.00 | 0.00 |
| Begin Drop @ 1030.34ft | | | | | | | | | |
| 1,100.00 | 6.61 | 270.00 | 1,095.59 | 0.00 | -76.23 | 76.23 | 2.00 | -2.00 | 0.00 |
| 1,200.00 | 4.61 | 270.00 | 1,195.11 | 0.00 | -86.00 | 86.00 | 2.00 | -2.00 | 0.00 |
| 1,300.00 | 2.61 | 270.00 | 1,294.90 | 0.00 | -92.29 | 92.29 | 2.00 | -2.00 | 0.00 |
| 1,400.00 | 0.61 | 270.00 | 1,394.86 | 0.00 | -95.09 | 95.09 | 2.00 | -2.00 | 0.00 |
| 1,430.34 | 0.00 | 0.00 | 1,425.20 | 0.00 | -95.25 | 95.25 | 2.00 | -2.00 | 0.00 |
| End Drop @ 1430.34ft | | | | | | | | | |
| 1,500.00 | 0.00 | 0.00 | 1,494.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 1,505.14 | 0.00 | 0.00 | 1,500.00 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 9 5/8" Csg | | | | | | | | | |
| 1,600.00 | 0.00 | 0.00 | 1,594.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 0.00 | 0.00 | 1,694.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 0.00 | 0.00 | 1,794.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 0.00 | 0.00 | 1,894.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 0.00 | 0.00 | 1,994.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 0.00 | 0.00 | 2,094.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 0.00 | 0.00 | 2,194.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 0.00 | 0.00 | 2,294.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 0.00 | 0.00 | 2,394.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 0.00 | 0.00 | 2,494.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 0.00 | 0.00 | 2,594.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 0.00 | 0.00 | 2,694.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 0.00 | 0.00 | 2,794.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 0.00 | 0.00 | 2,894.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 0.00 | 0.00 | 2,994.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 0.00 | 0.00 | 3,094.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 0.00 | 0.00 | 3,194.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 0.00 | 0.00 | 3,294.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 0.00 | 0.00 | 3,394.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 3,450.14 | 0.00 | 0.00 | 3,445.00 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| Parkman | | | | | | | | | |
| 3,500.00 | 0.00 | 0.00 | 3,494.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 0.00 | 0.00 | 3,594.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 0.00 | 0.00 | 3,694.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 0.00 | 0.00 | 3,794.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well PROWANT 18-5HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Site: | 5N-67W-18 PROWANT 4-18HZ PAD | North Reference: | True |
| Well: | PROWANT 18-5HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-3 | | |

| 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) | |
| 3,900.00 | 0.00 | 0.00 | 3,894.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 3,961.14 | 0.00 | 0.00 | 3,956.00 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| Sussex | | | | | | | | | | |
| 4,000.00 | 0.00 | 0.00 | 3,994.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 4,100.00 | 0.00 | 0.00 | 4,094.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 4,200.00 | 0.00 | 0.00 | 4,194.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 4,300.00 | 0.00 | 0.00 | 4,294.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 4,400.00 | 0.00 | 0.00 | 4,394.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 4,500.00 | 0.00 | 0.00 | 4,494.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 4,600.00 | 0.00 | 0.00 | 4,594.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 4,700.00 | 0.00 | 0.00 | 4,694.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 4,800.00 | 0.00 | 0.00 | 4,794.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 4,900.00 | 0.00 | 0.00 | 4,894.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,000.00 | 0.00 | 0.00 | 4,994.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,100.00 | 0.00 | 0.00 | 5,094.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,200.00 | 0.00 | 0.00 | 5,194.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,300.00 | 0.00 | 0.00 | 5,294.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,400.00 | 0.00 | 0.00 | 5,394.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,500.00 | 0.00 | 0.00 | 5,494.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,600.00 | 0.00 | 0.00 | 5,594.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,700.00 | 0.00 | 0.00 | 5,694.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,800.00 | 0.00 | 0.00 | 5,794.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 5,900.00 | 0.00 | 0.00 | 5,894.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 6,000.00 | 0.00 | 0.00 | 5,994.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 6,100.00 | 0.00 | 0.00 | 6,094.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 6,200.00 | 0.00 | 0.00 | 6,194.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 6,300.00 | 0.00 | 0.00 | 6,294.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 6,400.00 | 0.00 | 0.00 | 6,394.86 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| 6,492.96 | 0.00 | 0.00 | 6,487.82 | 0.00 | -95.25 | 95.25 | 0.00 | 0.00 | 0.00 | |
| KOP @ 6492.96ft :: DLS = 8°/100' | | | | | | | | | | |
| 6,500.00 | 0.56 | 270.03 | 6,494.86 | 0.00 | -95.29 | 95.29 | 8.00 | 8.00 | 0.00 | |
| 6,600.00 | 8.56 | 270.03 | 6,594.46 | 0.00 | -103.24 | 103.24 | 8.00 | 8.00 | 0.00 | |
| 6,700.00 | 16.56 | 270.03 | 6,691.99 | 0.02 | -124.97 | 124.97 | 8.00 | 8.00 | 0.00 | |
| 6,800.00 | 24.56 | 270.03 | 6,785.54 | 0.03 | -160.07 | 160.07 | 8.00 | 8.00 | 0.00 | |
| 6,871.53 | 30.29 | 270.03 | 6,849.00 | 0.05 | -193.00 | 193.00 | 8.00 | 8.00 | 0.00 | |
| Sharon Springs | | | | | | | | | | |
| 6,900.00 | 32.56 | 270.03 | 6,873.30 | 0.06 | -207.84 | 207.84 | 8.00 | 8.00 | 0.00 | |
| 6,913.97 | 33.68 | 270.03 | 6,885.00 | 0.06 | -215.48 | 215.48 | 8.00 | 8.00 | 0.00 | |
| Niobrara | | | | | | | | | | |
| 6,991.42 | 39.88 | 270.03 | 6,947.00 | 0.09 | -261.82 | 261.82 | 8.00 | 8.00 | 0.00 | |
| Nio B | | | | | | | | | | |
| 7,000.00 | 40.56 | 270.03 | 6,953.55 | 0.09 | -267.36 | 267.36 | 8.00 | 8.00 | 0.00 | |
| 7,100.00 | 48.56 | 270.03 | 7,024.74 | 0.13 | -337.48 | 337.48 | 8.00 | 8.00 | 0.00 | |
| 7,172.69 | 54.38 | 270.03 | 7,070.00 | 0.16 | -394.32 | 394.32 | 8.00 | 8.00 | 0.00 | |
| Nio C | | | | | | | | | | |
| 7,200.00 | 56.56 | 270.03 | 7,085.48 | 0.17 | -416.82 | 416.82 | 8.00 | 8.00 | 0.00 | |
| 7,300.00 | 64.56 | 270.03 | 7,134.59 | 0.22 | -503.83 | 503.83 | 8.00 | 8.00 | 0.00 | |
| 7,399.65 | 72.54 | 270.03 | 7,171.00 | 0.27 | -596.51 | 596.51 | 8.00 | 8.00 | 0.00 | |
| Fort Hayes | | | | | | | | | | |
| 7,400.00 | 72.56 | 270.03 | 7,171.11 | 0.27 | -596.84 | 596.84 | 8.00 | 8.00 | 0.00 | |
| 7,492.18 | 79.94 | 270.03 | 7,193.00 | 0.32 | -686.32 | 686.32 | 8.00 | 8.00 | 0.00 | |
| Codell | | | | | | | | | | |
| 7,500.00 | 80.56 | 270.03 | 7,194.32 | 0.32 | -694.02 | 694.02 | 8.00 | 8.00 | 0.00 | |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well PROWANT 18-5HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Site: | 5N-67W-18 PROWANT 4-18HZ PAD | North Reference: | True |
| Well: | PROWANT 18-5HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-3 | | |

| 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) |
| 7,600.00 | 88.56 | 270.03 | 7,203.79 | 0.37 | -793.49 | 793.49 | 8.00 | 8.00 | 0.00 |
| 7,623.04 | 90.41 | 270.03 | 7,204.00 | 0.38 | -816.53 | 816.53 | 8.00 | 8.00 | 0.00 |
| End Build @ 7623.04ft - Top of Production | | | | | | | | | |
| 7,700.00 | 90.41 | 270.03 | 7,203.45 | 0.43 | -893.49 | 893.49 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 90.41 | 270.03 | 7,202.74 | 0.48 | -993.49 | 993.49 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 90.41 | 270.03 | 7,202.03 | 0.53 | -1,093.48 | 1,093.48 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 90.41 | 270.03 | 7,201.32 | 0.59 | -1,193.48 | 1,193.48 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.41 | 270.03 | 7,200.61 | 0.64 | -1,293.48 | 1,293.48 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.41 | 270.03 | 7,199.90 | 0.69 | -1,393.48 | 1,393.48 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.41 | 270.03 | 7,199.19 | 0.75 | -1,493.47 | 1,493.47 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.41 | 270.03 | 7,198.48 | 0.80 | -1,593.47 | 1,593.47 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 90.41 | 270.03 | 7,197.77 | 0.85 | -1,693.47 | 1,693.47 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 90.41 | 270.03 | 7,197.06 | 0.91 | -1,793.47 | 1,793.47 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.41 | 270.03 | 7,196.35 | 0.96 | -1,893.46 | 1,893.46 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.41 | 270.03 | 7,195.64 | 1.01 | -1,993.46 | 1,993.46 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.41 | 270.03 | 7,194.93 | 1.07 | -2,093.46 | 2,093.46 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.41 | 270.03 | 7,194.22 | 1.12 | -2,193.46 | 2,193.46 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.41 | 270.03 | 7,193.52 | 1.17 | -2,293.45 | 2,293.45 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.41 | 270.03 | 7,192.81 | 1.23 | -2,393.45 | 2,393.45 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.41 | 270.03 | 7,192.10 | 1.28 | -2,493.45 | 2,493.45 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.41 | 270.03 | 7,191.39 | 1.33 | -2,593.45 | 2,593.45 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.41 | 270.03 | 7,190.68 | 1.39 | -2,693.44 | 2,693.44 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.41 | 270.03 | 7,189.97 | 1.44 | -2,793.44 | 2,793.44 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.41 | 270.03 | 7,189.26 | 1.49 | -2,893.44 | 2,893.44 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.41 | 270.03 | 7,188.55 | 1.55 | -2,993.44 | 2,993.44 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.41 | 270.03 | 7,187.84 | 1.60 | -3,093.43 | 3,093.43 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.41 | 270.03 | 7,187.13 | 1.65 | -3,193.43 | 3,193.43 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.41 | 270.03 | 7,186.42 | 1.71 | -3,293.43 | 3,293.43 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.41 | 270.03 | 7,185.71 | 1.76 | -3,393.43 | 3,393.43 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.41 | 270.03 | 7,185.00 | 1.81 | -3,493.42 | 3,493.42 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.41 | 270.03 | 7,184.29 | 1.87 | -3,593.42 | 3,593.42 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.41 | 270.03 | 7,183.58 | 1.92 | -3,693.42 | 3,693.42 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.41 | 270.03 | 7,182.87 | 1.97 | -3,793.42 | 3,793.42 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.41 | 270.03 | 7,182.16 | 2.03 | -3,893.41 | 3,893.41 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.41 | 270.03 | 7,181.45 | 2.08 | -3,993.41 | 3,993.41 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.41 | 270.03 | 7,180.74 | 2.13 | -4,093.41 | 4,093.41 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.41 | 270.03 | 7,180.03 | 2.19 | -4,193.41 | 4,193.41 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.41 | 270.03 | 7,179.32 | 2.24 | -4,293.40 | 4,293.40 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.41 | 270.03 | 7,178.61 | 2.29 | -4,393.40 | 4,393.40 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.41 | 270.03 | 7,177.90 | 2.35 | -4,493.40 | 4,493.40 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.41 | 270.03 | 7,177.19 | 2.40 | -4,593.40 | 4,593.40 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.41 | 270.03 | 7,176.48 | 2.45 | -4,693.39 | 4,693.39 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.41 | 270.03 | 7,175.77 | 2.51 | -4,793.39 | 4,793.39 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.41 | 270.03 | 7,175.06 | 2.56 | -4,893.39 | 4,893.39 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.41 | 270.03 | 7,174.35 | 2.61 | -4,993.39 | 4,993.39 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.41 | 270.03 | 7,173.64 | 2.67 | -5,093.38 | 5,093.38 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.41 | 270.03 | 7,172.93 | 2.72 | -5,193.38 | 5,193.38 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.41 | 270.03 | 7,172.22 | 2.77 | -5,293.38 | 5,293.38 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.41 | 270.03 | 7,171.51 | 2.83 | -5,393.38 | 5,393.38 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 90.41 | 270.03 | 7,170.80 | 2.88 | -5,493.37 | 5,493.37 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.41 | 270.03 | 7,170.09 | 2.93 | -5,593.37 | 5,593.37 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.41 | 270.03 | 7,169.38 | 2.99 | -5,693.37 | 5,693.37 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.41 | 270.03 | 7,168.67 | 3.04 | -5,793.37 | 5,793.37 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 90.41 | 270.03 | 7,167.96 | 3.09 | -5,893.36 | 5,893.36 | 0.00 | 0.00 | 0.00 |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well PROWANT 18-5HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Site: | 5N-67W-18 PROWANT 4-18HZ PAD | North Reference: | True |
| Well: | PROWANT 18-5HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-3 | | |

| 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) |
| 12,800.00 | 90.41 | 270.03 | 7,167.25 | 3.15 | -5,993.36 | 5,993.36 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 90.41 | 270.03 | 7,166.54 | 3.20 | -6,093.36 | 6,093.36 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 90.41 | 270.03 | 7,165.83 | 3.25 | -6,193.36 | 6,193.36 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 90.41 | 270.03 | 7,165.13 | 3.31 | -6,293.35 | 6,293.35 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 90.41 | 270.03 | 7,164.42 | 3.36 | -6,393.35 | 6,393.35 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 90.41 | 270.03 | 7,163.71 | 3.42 | -6,493.35 | 6,493.35 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 90.41 | 270.03 | 7,163.00 | 3.47 | -6,593.35 | 6,593.35 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 90.41 | 270.03 | 7,162.29 | 3.52 | -6,693.34 | 6,693.34 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 90.41 | 270.03 | 7,161.58 | 3.58 | -6,793.34 | 6,793.34 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 90.41 | 270.03 | 7,160.87 | 3.63 | -6,893.34 | 6,893.34 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 90.41 | 270.03 | 7,160.16 | 3.68 | -6,993.34 | 6,993.34 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 90.41 | 270.03 | 7,159.45 | 3.74 | -7,093.33 | 7,093.33 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 90.41 | 270.03 | 7,158.74 | 3.79 | -7,193.33 | 7,193.33 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 90.41 | 270.03 | 7,158.03 | 3.84 | -7,293.33 | 7,293.33 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 90.41 | 270.03 | 7,157.32 | 3.90 | -7,393.33 | 7,393.33 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 90.41 | 270.03 | 7,156.61 | 3.95 | -7,493.32 | 7,493.32 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 90.41 | 270.03 | 7,155.90 | 4.00 | -7,593.32 | 7,593.32 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 90.41 | 270.03 | 7,155.19 | 4.06 | -7,693.32 | 7,693.32 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 90.41 | 270.03 | 7,154.48 | 4.11 | -7,793.32 | 7,793.32 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 90.41 | 270.03 | 7,153.77 | 4.16 | -7,893.31 | 7,893.31 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 90.41 | 270.03 | 7,153.06 | 4.22 | -7,993.31 | 7,993.31 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 90.41 | 270.03 | 7,152.35 | 4.27 | -8,093.31 | 8,093.31 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 90.41 | 270.03 | 7,151.64 | 4.32 | -8,193.31 | 8,193.31 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 90.41 | 270.03 | 7,150.93 | 4.38 | -8,293.30 | 8,293.30 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 90.41 | 270.03 | 7,150.22 | 4.43 | -8,393.30 | 8,393.30 | 0.00 | 0.00 | 0.00 |
| 15,300.00 | 90.41 | 270.03 | 7,149.51 | 4.48 | -8,493.30 | 8,493.30 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 90.41 | 270.03 | 7,148.80 | 4.54 | -8,593.29 | 8,593.30 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 90.41 | 270.03 | 7,148.09 | 4.59 | -8,693.29 | 8,693.29 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 90.41 | 270.03 | 7,147.38 | 4.64 | -8,793.29 | 8,793.29 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 90.41 | 270.03 | 7,146.67 | 4.70 | -8,893.29 | 8,893.29 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 90.41 | 270.03 | 7,145.96 | 4.75 | -8,993.28 | 8,993.29 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 90.41 | 270.03 | 7,145.25 | 4.80 | -9,093.28 | 9,093.28 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 90.41 | 270.03 | 7,144.54 | 4.86 | -9,193.28 | 9,193.28 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 90.41 | 270.03 | 7,143.83 | 4.91 | -9,293.28 | 9,293.28 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 90.41 | 270.03 | 7,143.12 | 4.96 | -9,393.27 | 9,393.28 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 90.41 | 270.03 | 7,142.41 | 5.02 | -9,493.27 | 9,493.27 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 90.41 | 270.03 | 7,141.70 | 5.07 | -9,593.27 | 9,593.27 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 90.41 | 270.03 | 7,140.99 | 5.12 | -9,693.27 | 9,693.27 | 0.00 | 0.00 | 0.00 |
| 16,600.00 | 90.41 | 270.03 | 7,140.28 | 5.18 | -9,793.26 | 9,793.27 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 90.41 | 270.03 | 7,139.57 | 5.23 | -9,893.26 | 9,893.26 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 90.41 | 270.03 | 7,138.86 | 5.28 | -9,993.26 | 9,993.26 | 0.00 | 0.00 | 0.00 |
| 16,900.00 | 90.41 | 270.03 | 7,138.15 | 5.34 | -10,093.26 | 10,093.26 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 90.41 | 270.03 | 7,137.44 | 5.39 | -10,193.25 | 10,193.26 | 0.00 | 0.00 | 0.00 |
| 17,100.00 | 90.41 | 270.03 | 7,136.74 | 5.44 | -10,293.25 | 10,293.25 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 90.41 | 270.03 | 7,136.03 | 5.50 | -10,393.25 | 10,393.25 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 90.41 | 270.03 | 7,135.32 | 5.55 | -10,493.25 | 10,493.25 | 0.00 | 0.00 | 0.00 |
| 17,400.00 | 90.41 | 270.03 | 7,134.61 | 5.60 | -10,593.24 | 10,593.25 | 0.00 | 0.00 | 0.00 |
| 17,500.00 | 90.41 | 270.03 | 7,133.90 | 5.66 | -10,693.24 | 10,693.24 | 0.00 | 0.00 | 0.00 |
| 17,600.00 | 90.41 | 270.03 | 7,133.19 | 5.71 | -10,793.24 | 10,793.24 | 0.00 | 0.00 | 0.00 |
| 17,700.00 | 90.41 | 270.03 | 7,132.48 | 5.76 | -10,893.24 | 10,893.24 | 0.00 | 0.00 | 0.00 |
| 17,800.00 | 90.41 | 270.03 | 7,131.77 | 5.82 | -10,993.23 | 10,993.24 | 0.00 | 0.00 | 0.00 |
| 17,900.00 | 90.41 | 270.03 | 7,131.06 | 5.87 | -11,093.23 | 11,093.23 | 0.00 | 0.00 | 0.00 |
| 18,000.00 | 90.41 | 270.03 | 7,130.35 | 5.92 | -11,193.23 | 11,193.23 | 0.00 | 0.00 | 0.00 |
| 18,100.00 | 90.41 | 270.03 | 7,129.64 | 5.98 | -11,293.23 | 11,293.23 | 0.00 | 0.00 | 0.00 |

Corporate Planning Report

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|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well PROWANT 18-5HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Site: | 5N-67W-18 PROWANT 4-18HZ PAD | North Reference: | True |
| Well: | PROWANT 18-5HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-3 | | |

| 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) |
| 18,200.00 | 90.41 | 270.03 | 7,128.93 | 6.03 | -11,393.22 | 11,393.23 | 0.00 | 0.00 | 0.00 |
| 18,300.00 | 90.41 | 270.03 | 7,128.22 | 6.08 | -11,493.22 | 11,493.22 | 0.00 | 0.00 | 0.00 |
| 18,400.00 | 90.41 | 270.03 | 7,127.51 | 6.14 | -11,593.22 | 11,593.22 | 0.00 | 0.00 | 0.00 |
| 18,500.00 | 90.41 | 270.03 | 7,126.80 | 6.19 | -11,693.22 | 11,693.22 | 0.00 | 0.00 | 0.00 |
| 18,600.00 | 90.41 | 270.03 | 7,126.09 | 6.24 | -11,793.21 | 11,793.22 | 0.00 | 0.00 | 0.00 |
| 18,700.00 | 90.41 | 270.03 | 7,125.38 | 6.30 | -11,893.21 | 11,893.21 | 0.00 | 0.00 | 0.00 |
| 18,800.00 | 90.41 | 270.03 | 7,124.67 | 6.35 | -11,993.21 | 11,993.21 | 0.00 | 0.00 | 0.00 |
| 18,900.00 | 90.41 | 270.03 | 7,123.96 | 6.40 | -12,093.21 | 12,093.21 | 0.00 | 0.00 | 0.00 |
| 19,000.00 | 90.41 | 270.03 | 7,123.25 | 6.46 | -12,193.20 | 12,193.21 | 0.00 | 0.00 | 0.00 |
| 19,100.00 | 90.41 | 270.03 | 7,122.54 | 6.51 | -12,293.20 | 12,293.20 | 0.00 | 0.00 | 0.00 |
| 19,200.00 | 90.41 | 270.03 | 7,121.83 | 6.56 | -12,393.20 | 12,393.20 | 0.00 | 0.00 | 0.00 |
| 19,300.00 | 90.41 | 270.03 | 7,121.12 | 6.62 | -12,493.20 | 12,493.20 | 0.00 | 0.00 | 0.00 |
| 19,400.00 | 90.41 | 270.03 | 7,120.41 | 6.67 | -12,593.19 | 12,593.20 | 0.00 | 0.00 | 0.00 |
| 19,500.00 | 90.41 | 270.03 | 7,119.70 | 6.72 | -12,693.19 | 12,693.19 | 0.00 | 0.00 | 0.00 |
| 19,600.00 | 90.41 | 270.03 | 7,118.99 | 6.78 | -12,793.19 | 12,793.19 | 0.00 | 0.00 | 0.00 |
| 19,700.00 | 90.41 | 270.03 | 7,118.28 | 6.83 | -12,893.19 | 12,893.19 | 0.00 | 0.00 | 0.00 |
| 19,800.00 | 90.41 | 270.03 | 7,117.57 | 6.88 | -12,993.18 | 12,993.19 | 0.00 | 0.00 | 0.00 |
| 19,900.00 | 90.41 | 270.03 | 7,116.86 | 6.94 | -13,093.18 | 13,093.18 | 0.00 | 0.00 | 0.00 |
| 20,000.00 | 90.41 | 270.03 | 7,116.15 | 6.99 | -13,193.18 | 13,193.18 | 0.00 | 0.00 | 0.00 |
| 20,100.00 | 90.41 | 270.03 | 7,115.44 | 7.04 | -13,293.18 | 13,293.18 | 0.00 | 0.00 | 0.00 |
| 20,200.00 | 90.41 | 270.03 | 7,114.73 | 7.10 | -13,393.17 | 13,393.18 | 0.00 | 0.00 | 0.00 |
| 20,300.00 | 90.41 | 270.03 | 7,114.02 | 7.15 | -13,493.17 | 13,493.17 | 0.00 | 0.00 | 0.00 |
| 20,400.00 | 90.41 | 270.03 | 7,113.31 | 7.20 | -13,593.17 | 13,593.17 | 0.00 | 0.00 | 0.00 |
| 20,444.11 | 90.41 | 270.03 | 7,113.00 | 7.23 | -13,637.28 | 13,637.28 | 0.00 | 0.00 | 0.00 |
| TD Well @ 20444.11ft | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|-------------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,505.14 | 1,500.00 | 9 5/8" Csg | 9-5/8 | 13-1/2 | |
| 7,623.04 | 7,204.00 | Top of Production | 5-1/2 | 7-7/8 | |

| Formations | | | | | | |
|-----------------------|-----------------------|----------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 952.08 | 949.00 | Fox Hills | | | | |
| 3,450.14 | 3,445.00 | Parkman | | | | |
| 3,961.14 | 3,956.00 | Sussex | | | | |
| 6,871.53 | 6,849.00 | Sharon Springs | | | | |
| 6,913.97 | 6,885.00 | Niobrara | | | | |
| 6,991.42 | 6,947.00 | Nio B | | | | |
| 7,172.69 | 7,070.00 | Nio C | | | | |
| 7,399.65 | 7,171.00 | Fort Hayes | | | | |
| 7,492.18 | 7,193.00 | Codell | | | | |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | PLANNING | Local Co-ordinate Reference: | Well PROWANT 18-5HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4956.00usft (Drilling Rig) |
| Site: | 5N-67W-18 PROWANT 4-18HZ PAD | North Reference: | True |
| Well: | PROWANT 18-5HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-3 | | |

| Plan Annotations | | | | |
|-----------------------------|-----------------------------|-------------------|-----------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 280.00 | 280.00 | 0.00 | 0.00 | Begin Nudge @ 280.00ft |
| 813.33 | 811.60 | 0.00 | -37.17 | Hold Tangent @ 813.33ft |
| 1,030.34 | 1,026.50 | 0.00 | -67.37 | Begin Drop @ 1030.34ft |
| 1,430.34 | 1,425.20 | 0.00 | -95.25 | End Drop @ 1430.34ft |
| 6,492.96 | 6,487.82 | 0.00 | -95.25 | KOP @ 6492.96ft :: DLS = 8"/100' |
| 7,623.04 | 7,204.00 | 0.38 | -816.54 | End Build @ 7623.04ft |
| 20,444.11 | 7,113.00 | 7.23 | -13,637.28 | TD Well @ 20444.11ft |