

US ROCKIES REGION

COLORADO-WELD-NAD83-UTM13

T04N-R68W-S33

LAVENDER 33-16HZ

LAVENDER 33-16HZ

ORIG HOLE

Plan: Permit Rev-1

Standard Planning Report

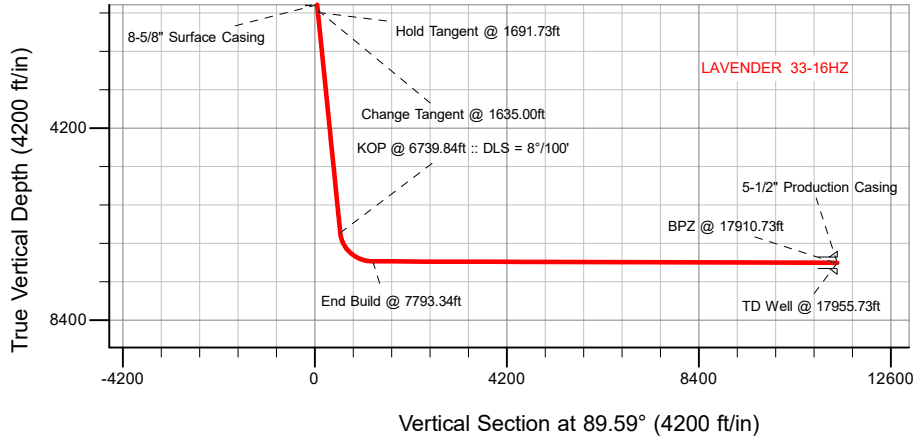
08 February, 2025

Project: COLORADO-WELD-NAD83-UTM13
 Site: T04N-R68W-S33
 Well: LAVENDER 33-16HZ
 Wellbore: ORIG HOLE
 Design: Permit Rev-1

US ROCKIES REGION

CASING DETAILS

| TVD | MD | Name | Size |
|---------|----------|--------------------------|-------|
| 1500.00 | 1514.30 | 8-5/8" Surface Casing | 8.625 |
| 7145.00 | 17955.73 | 5-1/2" Production Casing | 5.500 |



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 | 435.00 | 0.00 | 0.00 | 435.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1635.00 | 18.00 | 160.00 | 1615.36 | -175.68 | 63.94 | 1.50 | 160.00 | 62.68 | |
| 4 | 1691.73 | 17.16 | 160.45 | 1669.44 | -191.80 | 69.74 | 1.50 | 171.02 | 68.36 | |
| 5 | 6739.84 | 17.16 | 160.45 | 6492.83 | -1595.33 | 568.14 | 0.00 | 0.00 | 556.71 | |
| 6 | 7793.34 | 89.83 | 89.59 | 7114.00 | -1770.92 | 1280.14 | 8.00 | -71.70 | 1267.43 | |
| 7 | 17955.73 | 89.83 | 89.59 | 7145.00 | -1698.87 | 11442.23 | 0.00 | 0.00 | 11429.78 | LAVENDER 33-16HZ_BHL |

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | Northing | Easting | Latitude | Longitude |
|----------------------|---------|-------------|------------|-----------|-------------|
| LAVENDER 33-16HZ_SHL | 0.00 | 14627220.43 | 1639905.41 | 40.275950 | -105.001833 |
| LAVENDER 33-16HZ_LP | 7114.00 | 14625450.19 | 1641184.99 | 40.271089 | -104.997246 |
| LAVENDER 33-16HZ_BPZ | 7144.86 | 14625521.68 | 1651298.02 | 40.271279 | -104.960990 |
| LAVENDER 33-16HZ_BHL | 7145.00 | 14625522.00 | 1651343.00 | 40.271279 | -104.960829 |

WELL DETAILS: LAVENDER 33-16HZ

Ground Level: 5076.00

RKB @ 5102.00ft (PLAN KB)

Plan: Permit Rev-1 (LAVENDER 33-16HZ/ORIG HOLE)

Date: 2/8/2025

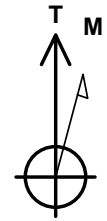
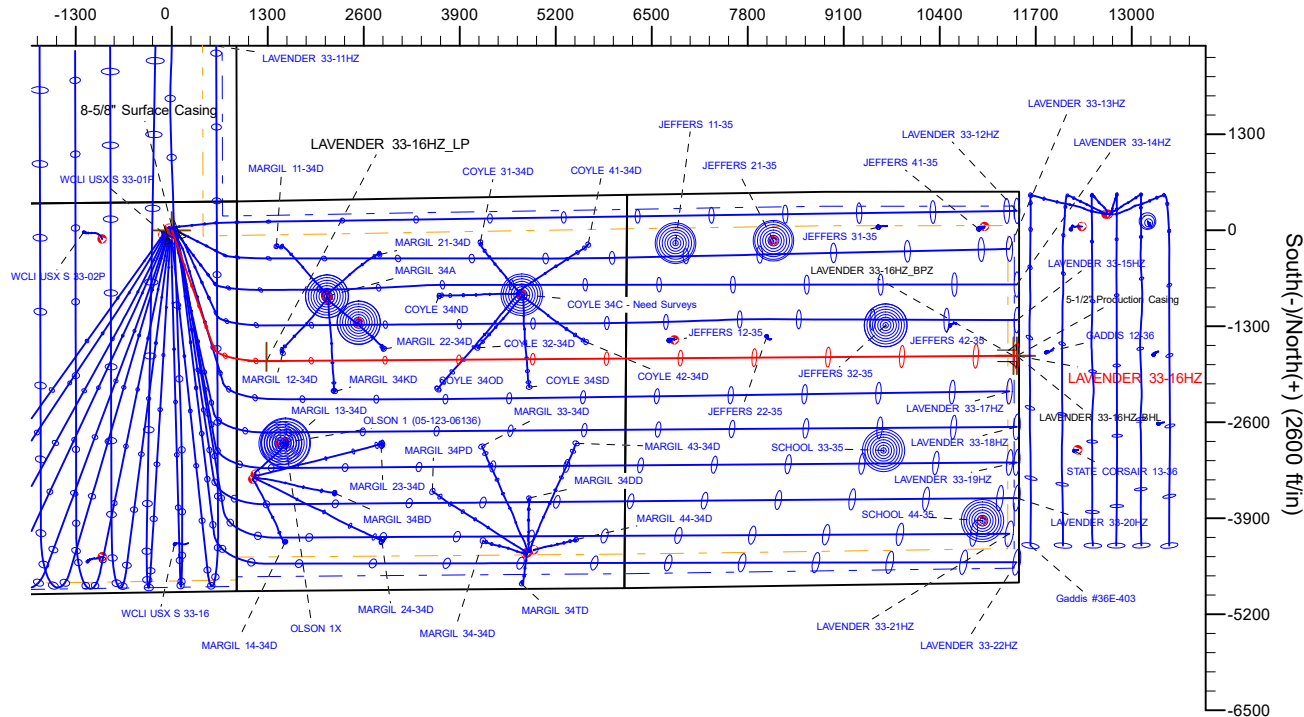
SHL
382' FNL
881' FEL

LP
2168' FNL
400' FWL

BPZ
2223' FNL
75' FEL

BHL
2222' FNL
30' FEL

West(-)/East(+) (2600 ft/in)



Azimuths to True North
 Magnetic North: 7.58°
 Magnetic Field
 Strength: 51478.6nT
 Dip Angle: 66.37°
 Date: 2/6/2025
 Model: IGRF2020

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|---------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well LAVENDER 33-16HZ |
| Company: | US ROCKIES REGION | TVD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Project: | COLORADO-WELD-NAD83-UTM13 | MD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Site: | T04N-R68W-S33 | North Reference: | True |
| Well: | LAVENDER 33-16HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIG HOLE | | |
| Design: | Permit Rev-1 | | |

| | | | |
|---|--|----------------------|-----------------------------|
| Project COLORADO-WELD-NAD83-UTM13, WELD COUNTY, CO | | | |
| 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) | | Using geodetic scale factor |

| | | | |
|------------------------------|----------|---------------------|--------------------|
| Site T04N-R68W-S33 | | | |
| Site Position: | | Northing: | 14,622,986.00 usft |
| From: | Lat/Long | Easting: | 1,640,124.86 usft |
| Position Uncertainty: | 44.72 ft | Slot Radius: | 13.200 in |
| | | Latitude: | 40.264322 |
| | | Longitude: | -105.001046 |

| | | | | | | |
|------------------------------|-------|---------|----------------------------|--------------------|----------------------|-------------|
| Well LAVENDER 33-16HZ | | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 14,627,220.42 usft | Latitude: | 40.275950 |
| | +E/-W | 0.00 ft | Easting: | 1,639,905.40 usft | Longitude: | -105.001833 |
| Position Uncertainty | | 0.98 ft | Wellhead Elevation: | ft | Ground Level: | 5,076.00 ft |
| Grid Convergence: | | 0.00 ° | | | | |

| Wellbore ORIG HOLE | | | | | |
|---------------------------|------------|-------------|-----------------|---------------|---------------------|
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2020 | 2/6/2025 | 7.58 | 66.37 | 51,478.60552525 |

| | | | | |
|----------------------------|------------------------------|-------------------|-------------------|---------------------------|
| Design Permit Rev-1 | | | | |
| Audit Notes: | | | | |
| Version: | | Phase: | PLAN | Tie On Depth: 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 89.59 |

| Plan Survey Tool Program | | Date 2/7/2025 | | |
|---------------------------------|---------------|------------------------------------|---------------------------------------|---------|
| Depth From (ft) | Depth To (ft) | Survey (Wellbore) | Tool Name | Remarks |
| 1 | 0.00 | 1,500.00 Permit Rev-1 (ORIG HOLE) | A005Mc_MWD+IFR1_R5 MWD+IFR1 | |
| 2 | 1,500.00 | 17,955.73 Permit Rev-1 (ORIG HOLE) | A008Mc_MWD+IFR1+MS_R5 MWD+IFR1+MSA | |

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|---------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well LAVENDER 33-16HZ |
| Company: | US ROCKIES REGION | TVD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Project: | COLORADO-WELD-NAD83-UTM13 | MD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Site: | T04N-R68W-S33 | North Reference: | True |
| Well: | LAVENDER 33-16HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIG HOLE | | |
| Design: | Permit Rev-1 | | |

| Plan Sections | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 435.00 | 0.00 | 0.00 | 435.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,635.00 | 18.00 | 160.00 | 1,615.36 | -175.68 | 63.94 | 1.50 | 1.50 | 0.00 | 160.00 | |
| 1,691.73 | 17.16 | 160.45 | 1,669.44 | -191.80 | 69.74 | 1.50 | -1.48 | 0.79 | 171.02 | |
| 6,739.84 | 17.16 | 160.45 | 6,492.83 | -1,595.33 | 568.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,793.34 | 89.83 | 89.59 | 7,114.00 | -1,770.92 | 1,280.14 | 8.00 | 6.90 | -6.73 | -71.70 | |
| 17,955.73 | 89.83 | 89.59 | 7,145.00 | -1,698.87 | 11,442.23 | 0.00 | 0.00 | 0.00 | 0.00 | LAVENDER 33-16HZ |

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|---------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well LAVENDER 33-16HZ |
| Company: | US ROCKIES REGION | TVD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Project: | COLORADO-WELD-NAD83-UTM13 | MD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Site: | T04N-R68W-S33 | North Reference: | True |
| Well: | LAVENDER 33-16HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIG HOLE | | |
| Design: | Permit Rev-1 | | |

| Planned Survey | | | | | | | | | | |
|-----------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 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 | |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 435.00 | 0.00 | 0.00 | 435.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Begin Nudge @ 435.00ft | | | | | | | | | | |
| 500.00 | 0.98 | 160.00 | 500.00 | -0.52 | 0.19 | 0.19 | 1.50 | 1.50 | 0.00 | |
| 600.00 | 2.48 | 160.00 | 599.95 | -3.35 | 1.22 | 1.19 | 1.50 | 1.50 | 0.00 | |
| 700.00 | 3.98 | 160.00 | 699.79 | -8.63 | 3.14 | 3.08 | 1.50 | 1.50 | 0.00 | |
| 800.00 | 5.48 | 160.00 | 799.44 | -16.37 | 5.96 | 5.84 | 1.50 | 1.50 | 0.00 | |
| 900.00 | 6.98 | 160.00 | 898.85 | -26.56 | 9.67 | 9.48 | 1.50 | 1.50 | 0.00 | |
| 1,000.00 | 8.48 | 160.00 | 997.94 | -39.19 | 14.27 | 13.98 | 1.50 | 1.50 | 0.00 | |
| 1,100.00 | 9.98 | 160.00 | 1,096.65 | -54.26 | 19.75 | 19.36 | 1.50 | 1.50 | 0.00 | |
| 1,200.00 | 11.48 | 160.00 | 1,194.90 | -71.75 | 26.11 | 25.60 | 1.50 | 1.50 | 0.00 | |
| 1,300.00 | 12.98 | 160.00 | 1,292.63 | -91.64 | 33.36 | 32.70 | 1.50 | 1.50 | 0.00 | |
| 1,400.00 | 14.48 | 160.00 | 1,389.77 | -113.94 | 41.47 | 40.65 | 1.50 | 1.50 | 0.00 | |
| 1,500.00 | 15.98 | 160.00 | 1,486.25 | -138.61 | 50.45 | 49.46 | 1.50 | 1.50 | 0.00 | |
| 1,514.30 | 16.19 | 160.00 | 1,500.00 | -142.34 | 51.81 | 50.79 | 1.50 | 1.50 | 0.00 | |
| 8-5/8" Surface Casing | | | | | | | | | | |
| 1,600.00 | 17.48 | 160.00 | 1,582.02 | -165.66 | 60.29 | 59.11 | 1.50 | 1.50 | 0.00 | |
| 1,635.00 | 18.00 | 160.00 | 1,615.36 | -175.68 | 63.94 | 62.68 | 1.50 | 1.50 | 0.00 | |
| Change Tangent @ 1635.00ft | | | | | | | | | | |
| 1,691.73 | 17.16 | 160.45 | 1,669.44 | -191.80 | 69.74 | 68.36 | 1.50 | -1.48 | 0.79 | |
| Hold Tangent @ 1691.73ft | | | | | | | | | | |
| 1,700.00 | 17.16 | 160.45 | 1,677.34 | -194.10 | 70.56 | 69.16 | 0.00 | 0.00 | 0.00 | |
| 1,800.00 | 17.16 | 160.45 | 1,772.89 | -221.90 | 80.43 | 78.84 | 0.00 | 0.00 | 0.00 | |
| 1,900.00 | 17.16 | 160.45 | 1,868.44 | -249.70 | 90.30 | 88.51 | 0.00 | 0.00 | 0.00 | |
| 2,000.00 | 17.16 | 160.45 | 1,963.99 | -277.51 | 100.17 | 98.19 | 0.00 | 0.00 | 0.00 | |
| 2,100.00 | 17.16 | 160.45 | 2,059.53 | -305.31 | 110.05 | 107.86 | 0.00 | 0.00 | 0.00 | |
| 2,200.00 | 17.16 | 160.45 | 2,155.08 | -333.11 | 119.92 | 117.53 | 0.00 | 0.00 | 0.00 | |
| 2,300.00 | 17.16 | 160.45 | 2,250.63 | -360.92 | 129.79 | 127.21 | 0.00 | 0.00 | 0.00 | |
| 2,400.00 | 17.16 | 160.45 | 2,346.18 | -388.72 | 139.67 | 136.88 | 0.00 | 0.00 | 0.00 | |
| 2,500.00 | 17.16 | 160.45 | 2,441.73 | -416.52 | 149.54 | 146.55 | 0.00 | 0.00 | 0.00 | |
| 2,600.00 | 17.16 | 160.45 | 2,537.28 | -444.33 | 159.41 | 156.23 | 0.00 | 0.00 | 0.00 | |
| 2,700.00 | 17.16 | 160.45 | 2,632.82 | -472.13 | 169.29 | 165.90 | 0.00 | 0.00 | 0.00 | |
| 2,800.00 | 17.16 | 160.45 | 2,728.37 | -499.93 | 179.16 | 175.58 | 0.00 | 0.00 | 0.00 | |
| 2,900.00 | 17.16 | 160.45 | 2,823.92 | -527.74 | 189.03 | 185.25 | 0.00 | 0.00 | 0.00 | |
| 3,000.00 | 17.16 | 160.45 | 2,919.47 | -555.54 | 198.90 | 194.92 | 0.00 | 0.00 | 0.00 | |
| 3,100.00 | 17.16 | 160.45 | 3,015.02 | -583.34 | 208.78 | 204.60 | 0.00 | 0.00 | 0.00 | |
| 3,200.00 | 17.16 | 160.45 | 3,110.57 | -611.15 | 218.65 | 214.27 | 0.00 | 0.00 | 0.00 | |
| 3,300.00 | 17.16 | 160.45 | 3,206.12 | -638.95 | 228.52 | 223.94 | 0.00 | 0.00 | 0.00 | |
| 3,400.00 | 17.16 | 160.45 | 3,301.66 | -666.75 | 238.40 | 233.62 | 0.00 | 0.00 | 0.00 | |
| 3,500.00 | 17.16 | 160.45 | 3,397.21 | -694.56 | 248.27 | 243.29 | 0.00 | 0.00 | 0.00 | |
| 3,600.00 | 17.16 | 160.45 | 3,492.76 | -722.36 | 258.14 | 252.97 | 0.00 | 0.00 | 0.00 | |
| 3,700.00 | 17.16 | 160.45 | 3,588.31 | -750.16 | 268.01 | 262.64 | 0.00 | 0.00 | 0.00 | |
| 3,800.00 | 17.16 | 160.45 | 3,683.86 | -777.97 | 277.89 | 272.31 | 0.00 | 0.00 | 0.00 | |
| 3,900.00 | 17.16 | 160.45 | 3,779.41 | -805.77 | 287.76 | 281.99 | 0.00 | 0.00 | 0.00 | |
| 4,000.00 | 17.16 | 160.45 | 3,874.95 | -833.57 | 297.63 | 291.66 | 0.00 | 0.00 | 0.00 | |
| 4,100.00 | 17.16 | 160.45 | 3,970.50 | -861.38 | 307.51 | 301.33 | 0.00 | 0.00 | 0.00 | |
| 4,200.00 | 17.16 | 160.45 | 4,066.05 | -889.18 | 317.38 | 311.01 | 0.00 | 0.00 | 0.00 | |
| 4,300.00 | 17.16 | 160.45 | 4,161.60 | -916.98 | 327.25 | 320.68 | 0.00 | 0.00 | 0.00 | |
| 4,400.00 | 17.16 | 160.45 | 4,257.15 | -944.78 | 337.13 | 330.36 | 0.00 | 0.00 | 0.00 | |
| 4,500.00 | 17.16 | 160.45 | 4,352.70 | -972.59 | 347.00 | 340.03 | 0.00 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|---------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well LAVENDER 33-16HZ |
| Company: | US ROCKIES REGION | TVD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Project: | COLORADO-WELD-NAD83-UTM13 | MD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Site: | T04N-R68W-S33 | North Reference: | True |
| Well: | LAVENDER 33-16HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIG HOLE | | |
| Design: | Permit Rev-1 | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 4,600.00 | 17.16 | 160.45 | 4,448.25 | -1,000.39 | 356.87 | 349.70 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 17.16 | 160.45 | 4,543.79 | -1,028.19 | 366.74 | 359.38 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 17.16 | 160.45 | 4,639.34 | -1,056.00 | 376.62 | 369.05 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 17.16 | 160.45 | 4,734.89 | -1,083.80 | 386.49 | 378.72 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 17.16 | 160.45 | 4,830.44 | -1,111.60 | 396.36 | 388.40 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 17.16 | 160.45 | 4,925.99 | -1,139.41 | 406.24 | 398.07 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 17.16 | 160.45 | 5,021.54 | -1,167.21 | 416.11 | 407.75 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 17.16 | 160.45 | 5,117.08 | -1,195.01 | 425.98 | 417.42 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 17.16 | 160.45 | 5,212.63 | -1,222.82 | 435.85 | 427.09 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 17.16 | 160.45 | 5,308.18 | -1,250.62 | 445.73 | 436.77 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 17.16 | 160.45 | 5,403.73 | -1,278.42 | 455.60 | 446.44 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 17.16 | 160.45 | 5,499.28 | -1,306.23 | 465.47 | 456.11 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 17.16 | 160.45 | 5,594.83 | -1,334.03 | 475.35 | 465.79 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 17.16 | 160.45 | 5,690.38 | -1,361.83 | 485.22 | 475.46 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 17.16 | 160.45 | 5,785.92 | -1,389.64 | 495.09 | 485.14 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 17.16 | 160.45 | 5,881.47 | -1,417.44 | 504.97 | 494.81 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 17.16 | 160.45 | 5,977.02 | -1,445.24 | 514.84 | 504.48 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 17.16 | 160.45 | 6,072.57 | -1,473.05 | 524.71 | 514.16 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 17.16 | 160.45 | 6,168.12 | -1,500.85 | 534.58 | 523.83 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 17.16 | 160.45 | 6,263.67 | -1,528.65 | 544.46 | 533.50 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 17.16 | 160.45 | 6,359.21 | -1,556.45 | 554.33 | 543.18 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 17.16 | 160.45 | 6,454.76 | -1,584.26 | 564.20 | 552.85 | 0.00 | 0.00 | 0.00 |
| 6,739.84 | 17.16 | 160.45 | 6,492.83 | -1,595.33 | 568.14 | 556.71 | 0.00 | 0.00 | 0.00 |
| KOP @ 6739.84ft :: DLS = 8°/100' | | | | | | | | | |
| 6,750.00 | 17.43 | 157.87 | 6,502.53 | -1,598.16 | 569.21 | 557.76 | 8.00 | 2.68 | -25.36 |
| 6,800.00 | 19.21 | 146.44 | 6,550.01 | -1,611.95 | 576.58 | 565.03 | 8.00 | 3.55 | -22.87 |
| 6,850.00 | 21.56 | 137.14 | 6,596.89 | -1,625.55 | 587.38 | 575.74 | 8.00 | 4.72 | -18.60 |
| 6,900.00 | 24.34 | 129.72 | 6,642.94 | -1,638.87 | 601.56 | 589.82 | 8.00 | 5.54 | -14.83 |
| 6,950.00 | 27.40 | 123.81 | 6,687.93 | -1,651.86 | 619.05 | 607.22 | 8.00 | 6.12 | -11.83 |
| 7,000.00 | 30.66 | 119.03 | 6,731.65 | -1,664.45 | 639.77 | 627.84 | 8.00 | 6.53 | -9.55 |
| 7,050.00 | 34.07 | 115.11 | 6,773.88 | -1,676.59 | 663.60 | 651.59 | 8.00 | 6.81 | -7.85 |
| 7,100.00 | 37.58 | 111.83 | 6,814.42 | -1,688.20 | 690.44 | 678.35 | 8.00 | 7.02 | -6.56 |
| 7,150.00 | 41.16 | 109.04 | 6,853.07 | -1,699.24 | 720.16 | 707.99 | 8.00 | 7.18 | -5.58 |
| 7,200.00 | 44.81 | 106.62 | 6,889.64 | -1,709.66 | 752.62 | 740.36 | 8.00 | 7.29 | -4.83 |
| 7,250.00 | 48.50 | 104.50 | 6,923.96 | -1,719.39 | 787.64 | 775.32 | 8.00 | 7.38 | -4.24 |
| 7,300.00 | 52.23 | 102.61 | 6,955.85 | -1,728.40 | 825.07 | 812.68 | 8.00 | 7.45 | -3.78 |
| 7,350.00 | 55.98 | 100.90 | 6,985.16 | -1,736.64 | 864.71 | 852.26 | 8.00 | 7.51 | -3.42 |
| 7,400.00 | 59.75 | 99.34 | 7,011.75 | -1,744.06 | 906.39 | 893.88 | 8.00 | 7.55 | -3.13 |
| 7,450.00 | 63.55 | 97.89 | 7,035.49 | -1,750.64 | 949.89 | 937.34 | 8.00 | 7.58 | -2.90 |
| 7,500.00 | 67.35 | 96.54 | 7,056.26 | -1,756.34 | 995.00 | 982.40 | 8.00 | 7.61 | -2.71 |
| 7,550.00 | 71.17 | 95.25 | 7,073.97 | -1,761.14 | 1,041.50 | 1,028.87 | 8.00 | 7.63 | -2.56 |
| 7,600.00 | 74.99 | 94.03 | 7,088.52 | -1,765.00 | 1,089.17 | 1,076.51 | 8.00 | 7.65 | -2.45 |
| 7,650.00 | 78.82 | 92.85 | 7,099.84 | -1,767.92 | 1,137.77 | 1,125.09 | 8.00 | 7.66 | -2.36 |
| 7,700.00 | 82.66 | 91.70 | 7,107.88 | -1,769.88 | 1,187.07 | 1,174.38 | 8.00 | 7.67 | -2.30 |
| 7,750.00 | 86.50 | 90.57 | 7,112.61 | -1,770.86 | 1,236.83 | 1,224.13 | 8.00 | 7.68 | -2.26 |
| 7,793.34 | 89.83 | 89.59 | 7,114.00 | -1,770.92 | 1,280.14 | 1,267.43 | 8.00 | 7.68 | -2.24 |
| End Build @ 7793.34ft | | | | | | | | | |
| 7,800.00 | 89.83 | 89.59 | 7,114.02 | -1,770.87 | 1,286.80 | 1,274.10 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 89.83 | 89.59 | 7,114.32 | -1,770.16 | 1,386.80 | 1,374.09 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 89.83 | 89.59 | 7,114.63 | -1,769.45 | 1,486.79 | 1,474.09 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 89.83 | 89.59 | 7,114.93 | -1,768.74 | 1,586.79 | 1,574.09 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 89.83 | 89.59 | 7,115.24 | -1,768.03 | 1,686.79 | 1,674.09 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 89.83 | 89.59 | 7,115.54 | -1,767.32 | 1,786.79 | 1,774.09 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|---------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well LAVENDER 33-16HZ |
| Company: | US ROCKIES REGION | TVD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Project: | COLORADO-WELD-NAD83-UTM13 | MD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Site: | T04N-R68W-S33 | North Reference: | True |
| Well: | LAVENDER 33-16HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIG HOLE | | |
| Design: | Permit Rev-1 | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 8,400.00 | 89.83 | 89.59 | 7,115.85 | -1,766.62 | 1,886.78 | 1,874.09 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 89.83 | 89.59 | 7,116.15 | -1,765.91 | 1,986.78 | 1,974.09 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 89.83 | 89.59 | 7,116.46 | -1,765.20 | 2,086.78 | 2,074.09 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 89.83 | 89.59 | 7,116.76 | -1,764.49 | 2,186.77 | 2,174.09 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 89.83 | 89.59 | 7,117.07 | -1,763.78 | 2,286.77 | 2,274.09 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 89.83 | 89.59 | 7,117.38 | -1,763.07 | 2,386.77 | 2,374.09 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 89.83 | 89.59 | 7,117.68 | -1,762.36 | 2,486.76 | 2,474.09 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 89.83 | 89.59 | 7,117.99 | -1,761.65 | 2,586.76 | 2,574.09 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 89.83 | 89.59 | 7,118.29 | -1,760.94 | 2,686.76 | 2,674.09 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 89.83 | 89.59 | 7,118.60 | -1,760.24 | 2,786.76 | 2,774.09 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 89.83 | 89.59 | 7,118.90 | -1,759.53 | 2,886.75 | 2,874.09 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 89.83 | 89.59 | 7,119.21 | -1,758.82 | 2,986.75 | 2,974.09 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 89.83 | 89.59 | 7,119.51 | -1,758.11 | 3,086.75 | 3,074.09 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 89.83 | 89.59 | 7,119.82 | -1,757.40 | 3,186.74 | 3,174.09 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 89.83 | 89.59 | 7,120.12 | -1,756.69 | 3,286.74 | 3,274.09 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 89.83 | 89.59 | 7,120.43 | -1,755.98 | 3,386.74 | 3,374.09 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 89.83 | 89.59 | 7,120.73 | -1,755.27 | 3,486.73 | 3,474.09 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 89.83 | 89.59 | 7,121.04 | -1,754.56 | 3,586.73 | 3,574.08 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 89.83 | 89.59 | 7,121.34 | -1,753.86 | 3,686.73 | 3,674.08 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 89.83 | 89.59 | 7,121.65 | -1,753.15 | 3,786.73 | 3,774.08 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 89.83 | 89.59 | 7,121.95 | -1,752.44 | 3,886.72 | 3,874.08 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 89.83 | 89.59 | 7,122.26 | -1,751.73 | 3,986.72 | 3,974.08 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 89.83 | 89.59 | 7,122.56 | -1,751.02 | 4,086.72 | 4,074.08 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 89.83 | 89.59 | 7,122.87 | -1,750.31 | 4,186.71 | 4,174.08 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 89.83 | 89.59 | 7,123.17 | -1,749.60 | 4,286.71 | 4,274.08 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 89.83 | 89.59 | 7,123.48 | -1,748.89 | 4,386.71 | 4,374.08 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 89.83 | 89.59 | 7,123.78 | -1,748.18 | 4,486.70 | 4,474.08 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 89.83 | 89.59 | 7,124.09 | -1,747.48 | 4,586.70 | 4,574.08 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 89.83 | 89.59 | 7,124.39 | -1,746.77 | 4,686.70 | 4,674.08 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 89.83 | 89.59 | 7,124.70 | -1,746.06 | 4,786.70 | 4,774.08 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 89.83 | 89.59 | 7,125.00 | -1,745.35 | 4,886.69 | 4,874.08 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 89.83 | 89.59 | 7,125.31 | -1,744.64 | 4,986.69 | 4,974.08 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 89.83 | 89.59 | 7,125.61 | -1,743.93 | 5,086.69 | 5,074.08 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 89.83 | 89.59 | 7,125.92 | -1,743.22 | 5,186.68 | 5,174.08 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 89.83 | 89.59 | 7,126.22 | -1,742.51 | 5,286.68 | 5,274.08 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 89.83 | 89.59 | 7,126.53 | -1,741.80 | 5,386.68 | 5,374.08 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 89.83 | 89.59 | 7,126.83 | -1,741.09 | 5,486.68 | 5,474.08 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 89.83 | 89.59 | 7,127.14 | -1,740.39 | 5,586.67 | 5,574.08 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 89.83 | 89.59 | 7,127.44 | -1,739.68 | 5,686.67 | 5,674.07 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 89.83 | 89.59 | 7,127.75 | -1,738.97 | 5,786.67 | 5,774.07 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 89.83 | 89.59 | 7,128.05 | -1,738.26 | 5,886.66 | 5,874.07 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 89.83 | 89.59 | 7,128.36 | -1,737.55 | 5,986.66 | 5,974.07 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 89.83 | 89.59 | 7,128.66 | -1,736.84 | 6,086.66 | 6,074.07 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 89.83 | 89.59 | 7,128.97 | -1,736.13 | 6,186.65 | 6,174.07 | 0.00 | 0.00 | 0.00 |
| 12,800.00 | 89.83 | 89.59 | 7,129.27 | -1,735.42 | 6,286.65 | 6,274.07 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 89.83 | 89.59 | 7,129.58 | -1,734.71 | 6,386.65 | 6,374.07 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 89.83 | 89.59 | 7,129.88 | -1,734.01 | 6,486.65 | 6,474.07 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 89.83 | 89.59 | 7,130.19 | -1,733.30 | 6,586.64 | 6,574.07 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 89.83 | 89.59 | 7,130.49 | -1,732.59 | 6,686.64 | 6,674.07 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 89.83 | 89.59 | 7,130.80 | -1,731.88 | 6,786.64 | 6,774.07 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 89.83 | 89.59 | 7,131.10 | -1,731.17 | 6,886.63 | 6,874.07 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 89.83 | 89.59 | 7,131.41 | -1,730.46 | 6,986.63 | 6,974.07 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 89.83 | 89.59 | 7,131.71 | -1,729.75 | 7,086.63 | 7,074.07 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 89.83 | 89.59 | 7,132.02 | -1,729.04 | 7,186.62 | 7,174.07 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|---------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well LAVENDER 33-16HZ |
| Company: | US ROCKIES REGION | TVD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Project: | COLORADO-WELD-NAD83-UTM13 | MD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Site: | T04N-R68W-S33 | North Reference: | True |
| Well: | LAVENDER 33-16HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIG HOLE | | |
| Design: | Permit Rev-1 | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 13,800.00 | 89.83 | 89.59 | 7,132.32 | -1,728.33 | 7,286.62 | 7,274.07 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 89.83 | 89.59 | 7,132.63 | -1,727.63 | 7,386.62 | 7,374.07 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 89.83 | 89.59 | 7,132.93 | -1,726.92 | 7,486.62 | 7,474.07 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 89.83 | 89.59 | 7,133.24 | -1,726.21 | 7,586.61 | 7,574.07 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 89.83 | 89.59 | 7,133.54 | -1,725.50 | 7,686.61 | 7,674.07 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 89.83 | 89.59 | 7,133.85 | -1,724.79 | 7,786.61 | 7,774.07 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 89.83 | 89.59 | 7,134.15 | -1,724.08 | 7,886.60 | 7,874.06 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 89.83 | 89.59 | 7,134.46 | -1,723.37 | 7,986.60 | 7,974.06 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 89.83 | 89.59 | 7,134.76 | -1,722.66 | 8,086.60 | 8,074.06 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 89.83 | 89.59 | 7,135.07 | -1,721.95 | 8,186.59 | 8,174.06 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 89.83 | 89.59 | 7,135.37 | -1,721.25 | 8,286.59 | 8,274.06 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 89.83 | 89.59 | 7,135.68 | -1,720.54 | 8,386.59 | 8,374.06 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 89.83 | 89.59 | 7,135.98 | -1,719.83 | 8,486.59 | 8,474.06 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 89.83 | 89.59 | 7,136.29 | -1,719.12 | 8,586.58 | 8,574.06 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 89.83 | 89.59 | 7,136.59 | -1,718.41 | 8,686.58 | 8,674.06 | 0.00 | 0.00 | 0.00 |
| 15,300.00 | 89.83 | 89.59 | 7,136.90 | -1,717.70 | 8,786.58 | 8,774.06 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 89.83 | 89.59 | 7,137.20 | -1,716.99 | 8,886.57 | 8,874.06 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 89.83 | 89.59 | 7,137.51 | -1,716.28 | 8,986.57 | 8,974.06 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 89.83 | 89.59 | 7,137.81 | -1,715.57 | 9,086.57 | 9,074.06 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 89.83 | 89.59 | 7,138.12 | -1,714.86 | 9,186.57 | 9,174.06 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 89.83 | 89.59 | 7,138.42 | -1,714.16 | 9,286.56 | 9,274.06 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 89.83 | 89.59 | 7,138.73 | -1,713.45 | 9,386.56 | 9,374.06 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 89.83 | 89.59 | 7,139.03 | -1,712.74 | 9,486.56 | 9,474.06 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 89.83 | 89.59 | 7,139.34 | -1,712.03 | 9,586.55 | 9,574.06 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 89.83 | 89.59 | 7,139.64 | -1,711.32 | 9,686.55 | 9,674.06 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 89.83 | 89.59 | 7,139.95 | -1,710.61 | 9,786.55 | 9,774.06 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 89.83 | 89.59 | 7,140.25 | -1,709.90 | 9,886.54 | 9,874.06 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 89.83 | 89.59 | 7,140.56 | -1,709.19 | 9,986.54 | 9,974.05 | 0.00 | 0.00 | 0.00 |
| 16,600.00 | 89.83 | 89.59 | 7,140.86 | -1,708.48 | 10,086.54 | 10,074.05 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 89.83 | 89.59 | 7,141.17 | -1,707.78 | 10,186.54 | 10,174.05 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 89.83 | 89.59 | 7,141.47 | -1,707.07 | 10,286.53 | 10,274.05 | 0.00 | 0.00 | 0.00 |
| 16,900.00 | 89.83 | 89.59 | 7,141.78 | -1,706.36 | 10,386.53 | 10,374.05 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 89.83 | 89.59 | 7,142.08 | -1,705.65 | 10,486.53 | 10,474.05 | 0.00 | 0.00 | 0.00 |
| 17,100.00 | 89.83 | 89.59 | 7,142.39 | -1,704.94 | 10,586.52 | 10,574.05 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 89.83 | 89.59 | 7,142.69 | -1,704.23 | 10,686.52 | 10,674.05 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 89.83 | 89.59 | 7,143.00 | -1,703.52 | 10,786.52 | 10,774.05 | 0.00 | 0.00 | 0.00 |
| 17,400.00 | 89.83 | 89.59 | 7,143.30 | -1,702.81 | 10,886.51 | 10,874.05 | 0.00 | 0.00 | 0.00 |
| 17,500.00 | 89.83 | 89.59 | 7,143.61 | -1,702.10 | 10,986.51 | 10,974.05 | 0.00 | 0.00 | 0.00 |
| 17,600.00 | 89.83 | 89.59 | 7,143.91 | -1,701.40 | 11,086.51 | 11,074.05 | 0.00 | 0.00 | 0.00 |
| 17,700.00 | 89.83 | 89.59 | 7,144.22 | -1,700.69 | 11,186.51 | 11,174.05 | 0.00 | 0.00 | 0.00 |
| 17,800.00 | 89.83 | 89.59 | 7,144.53 | -1,699.98 | 11,286.50 | 11,274.05 | 0.00 | 0.00 | 0.00 |
| 17,900.00 | 89.83 | 89.59 | 7,144.83 | -1,699.27 | 11,386.50 | 11,374.05 | 0.00 | 0.00 | 0.00 |
| 17,910.73 | 89.83 | 89.59 | 7,144.86 | -1,699.19 | 11,397.23 | 11,384.78 | 0.00 | 0.00 | 0.00 |
| BPZ @ 17910.73ft | | | | | | | | | |
| 17,955.73 | 89.83 | 89.59 | 7,145.00 | -1,698.87 | 11,442.23 | 11,429.78 | 0.00 | 0.00 | 0.00 |
| TD Well @ 17955.73ft - 5-1/2" Production Casing | | | | | | | | | |

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|---------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well LAVENDER 33-16HZ |
| Company: | US ROCKIES REGION | TVD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Project: | COLORADO-WELD-NAD83-UTM13 | MD Reference: | RKB @ 5102.00ft (PLAN KB) |
| Site: | T04N-R68W-S33 | North Reference: | True |
| Well: | LAVENDER 33-16HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIG HOLE | | |
| Design: | Permit Rev-1 | | |

Casing Points

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (in) | Hole Diameter (in) |
|---------------------|---------------------|--------------------------|----------------------|--------------------|
| 1,514.30 | 1,500.00 | 8-5/8" Surface Casing | 8.625 | 12.250 |
| 17,955.73 | 7,145.00 | 5-1/2" Production Casing | 5.500 | 7.875 |

Plan Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------|---------------------|-------------------|------------|----------------------------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 435.00 | 435.00 | 0.00 | 0.00 | Begin Nudge @ 435.00ft |
| 1,635.00 | 1,615.36 | -175.68 | 63.94 | Change Tangent @ 1635.00ft |
| 1,691.73 | 1,669.44 | -191.80 | 69.74 | Hold Tangent @ 1691.73ft |
| 6,739.84 | 6,492.83 | -1,595.33 | 568.14 | KOP @ 6739.84ft :: DLS = 8"/100' |
| 7,793.34 | 7,114.00 | -1,770.92 | 1,280.14 | End Build @ 7793.34ft |
| 17,910.73 | 7,144.86 | -1,699.19 | 11,397.23 | BPZ @ 17910.73ft |
| 17,955.73 | 7,145.00 | -1,698.87 | 11,442.23 | TD Well @ 17955.73ft |