



Crestone Peak Resources

Schlumberger

Plan 0

| | | | |
|---------------|---------------------|---------------------------------|---|
| Borehole: | Well: | Field: | Structure: |
| Original Hole | Rush 4-65 29-30 4AH | CO, Arapahoe County (NAD 83 CZ) | Crestone Peak 28-04S-65W (Rush South Pad) |

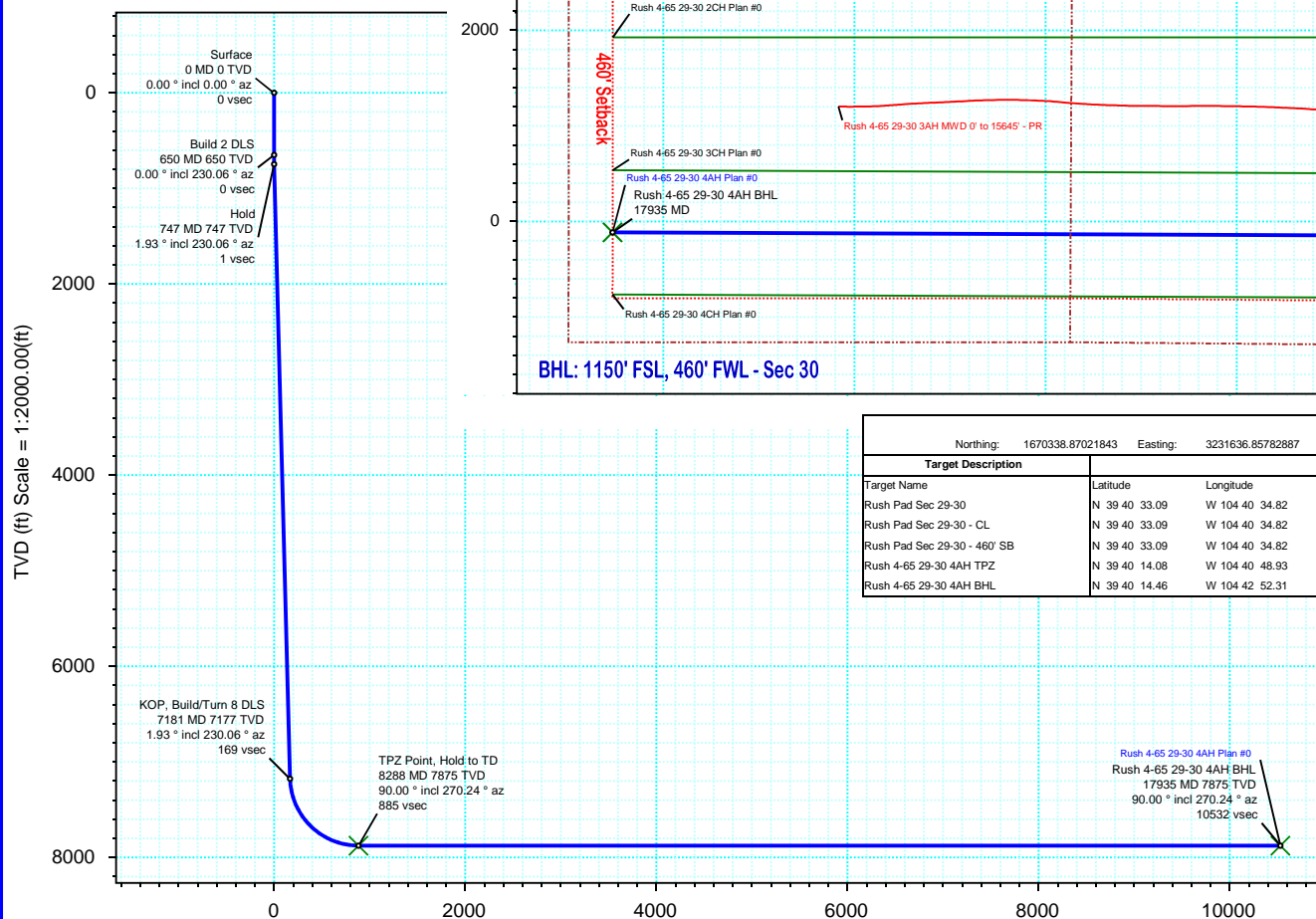
| | | | | | | | | |
|-------------------------------|-----------|-----------------|------------------|---------------------------|--|---------------------|-----------------------------|---------------------------|
| Gravity & Magnetic Parameters | | | Surface Location | | | Miscellaneous | | |
| Model: | HDGM 2020 | Dip: 66.348° | Date: | 22-Jun-2020 | | Lat: N 39 40 15.59 | Northings: | 1670338.87ftUS |
| MagDec: | 8.576° | FS: 51553.047nT | Gravity FS: | 998.91mgn (9.80665 Based) | | Lon: W 104 40 37.63 | Easting: | 3231636.86ftUS |
| | | | | | | Grid Conv: | 0.519° | |
| | | | | | | Scale Fact: | 0.99998533 | |
| | | | | | | Slot: | Rush 4-65 29-30 4AH | TVD Ref: |
| | | | | | | Plan: | Rush 4-65 29-30 4AH Plan #0 | KB 28ft(5731ft above MSL) |

Proposal

EW (ft) Scale = 1:2000.00(ft)



True North
Tot Corr (M->T 8.576°)
Mag Dec (8.576°)
Grid Conv (0.519°)



| Target Description | | Surface Location | | Grid Coord | | Local Coord | |
|------------------------------|---------------|------------------|------------|------------|---------|-------------|-----------|
| Target Name | Latitude | Longitude | Northings | Easting | TVD | VSec | N(+)/S(-) |
| Rush Pad Sec 29-30 | N 39 40 33.09 | W 104 40 34.82 | 1672111.09 | 3231840.37 | 5731.00 | -238.53 | 1770.34 |
| Rush Pad Sec 29-30 - CL | N 39 40 33.09 | W 104 40 34.82 | 1672111.09 | 3231840.37 | 5731.00 | -238.53 | 1770.34 |
| Rush Pad Sec 29-30 - 460' SB | N 39 40 33.09 | W 104 40 34.82 | 1672111.09 | 3231840.37 | 5731.00 | -238.53 | 1770.34 |
| Rush 4-65 29-30 4AH TPZ | N 39 40 14.08 | W 104 40 48.93 | 1670178.26 | 3230754.65 | 7875.00 | 885.23 | -152.61 |
| Rush 4-65 29-30 4AH BHL | N 39 40 14.46 | W 104 42 52.31 | 1670130.55 | 3221107.11 | 7875.00 | 10531.98 | -112.94 |

| Critical Points | | | | | | | | |
|-------------------------|----------|-------|--------|---------|----------|-----------|-----------|------|
| Critical Point | MD | INCL | AZIM | TVD | VSEC | N(+)/S(-) | E(+)/W(-) | DLS |
| Surface | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Build 2 DLS | 650.00 | 0.00 | 230.06 | 650.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hold | 746.64 | 1.93 | 230.06 | 746.62 | 1.26 | -1.05 | -1.25 | 2.00 |
| KOP, Build/Turn 8 DLS | 7181.10 | 1.93 | 230.06 | 7177.42 | 169.12 | -140.37 | -167.63 | 0.00 |
| TPZ Point, Hold to TD | 8287.64 | 90.00 | 270.24 | 7875.00 | 885.23 | -152.61 | -883.64 | 8.00 |
| Rush 4-65 29-30 4AH BHL | 17935.46 | 90.00 | 270.24 | 7875.00 | 10531.98 | -112.94 | -10531.37 | 0.00 |

Vertical Section (ft) Azim = 269.39° Scale = 1:2000.00(ft) Origin = 0N/-S, 0E/-W

Rush 4-65 29-30 4AH Plan #0 Proposal Geodetic Report

(Def Plan)

Report Date: June 24, 2020 - 02:51 PM
Client: Crestone Peak Resources
Field: CO, Arapahoe County (NAD 83 CZ)
Structure / Slot: Crestone Peak 28-04S-65W (Rush South Pad) / Rush 4-65 29-30 4AH
Well: Rush 4-65 29-30 4AH
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Rush 4-65 29-30 4AH Plan #0
Survey Date: June 22, 2020
Tort / AHD / DDI / ERD Ratio: 90.456 ° / 10582.966 ft / 6.339 / 1.344
Coordinate Reference System: NAD83 Colorado State Plane, Central Zone, US Feet
Location Lat / Long: N 39° 40' 15.59280", W 104° 40' 37.62840"
Location Grid N/E Y/X: N 1670338.870 ftUS, E 3231636.858 ftUS
CRS Grid Convergence Angle: 0.5190 °
Grid Scale Factor: 0.99998533
Version / Patch: 2.10.810.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 269.386 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB 28ft
TVD Reference Elevation: 5731.000 ft above MSL
Seabed / Ground Elevation: 5703.000 ft above MSL
Magnetic Declination: 8.576 °
Total Gravity Field Strength: 998.9105mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 51553.047 nT
Magnetic Dip Angle: 66.348 °
Declination Date: June 22, 2020
Magnetic Declination Model: HDGM 2020
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North→True North: 8.5761 °
Local Coord Referenced To: Well Head

| Comments | MD (ft) | Incl (°) | Azim True (°) | TVD (ft) | VSEC (ft) | NS (ft) | EW (ft) | DLS (°/100ft) | Northing (ftUS) | Easting (ftUS) | Latitude (°) | Longitude (°) |
|--------------------------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-----------------|------------------|
| Surface | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | 1670338.87 | 3231636.86 | 39.670998 | -104.677119 |
| | 100.00 | 0.00 | 230.06 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1670338.87 | 3231636.86 | 39.670998 | -104.677119 |
| | 200.00 | 0.00 | 230.06 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1670338.87 | 3231636.86 | 39.670998 | -104.677119 |
| | 300.00 | 0.00 | 230.06 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1670338.87 | 3231636.86 | 39.670998 | -104.677119 |
| | 400.00 | 0.00 | 230.06 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1670338.87 | 3231636.86 | 39.670998 | -104.677119 |
| | 500.00 | 0.00 | 230.06 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1670338.87 | 3231636.86 | 39.670998 | -104.677119 |
| | 600.00 | 0.00 | 230.06 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1670338.87 | 3231636.86 | 39.670998 | -104.677119 |
| Build 2 DLS | 650.00 | 0.00 | 230.06 | 650.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1670338.87 | 3231636.86 | 39.670998 | -104.677119 |
| | 700.00 | 1.00 | 230.06 | 700.00 | 0.34 | -0.28 | -0.33 | 2.00 | 1670338.59 | 3231636.53 | 39.670997 | -104.677120 |
| Hold | 746.64 | 1.93 | 230.06 | 746.62 | 1.26 | -1.05 | -1.25 | 2.00 | 1670337.81 | 3231635.62 | 39.670995 | -104.677123 |
| | 800.00 | 1.93 | 230.06 | 799.95 | 2.65 | -2.20 | -2.63 | 0.00 | 1670336.64 | 3231634.25 | 39.670992 | -104.677128 |
| | 900.00 | 1.93 | 230.06 | 899.89 | 5.26 | -4.37 | -5.22 | 0.00 | 1670334.46 | 3231631.68 | 39.670986 | -104.677138 |
| | 1000.00 | 1.93 | 230.06 | 999.84 | 7.87 | -6.53 | -7.80 | 0.00 | 1670332.27 | 3231629.12 | 39.670980 | -104.677147 |
| | 1100.00 | 1.93 | 230.06 | 1099.78 | 10.48 | -8.70 | -10.39 | 0.00 | 1670330.08 | 3231626.55 | 39.670974 | -104.677156 |
| | 1200.00 | 1.93 | 230.06 | 1199.72 | 13.09 | -10.86 | -12.97 | 0.00 | 1670327.89 | 3231623.98 | 39.670968 | -104.677165 |
| | 1300.00 | 1.93 | 230.06 | 1299.67 | 15.70 | -13.03 | -15.56 | 0.00 | 1670325.70 | 3231621.42 | 39.670962 | -104.677174 |
| | 1400.00 | 1.93 | 230.06 | 1399.61 | 18.31 | -15.19 | -18.14 | 0.00 | 1670323.51 | 3231618.85 | 39.670956 | -104.677183 |
| | 1500.00 | 1.93 | 230.06 | 1499.55 | 20.91 | -17.36 | -20.73 | 0.00 | 1670321.32 | 3231616.29 | 39.670950 | -104.677193 |
| | 1600.00 | 1.93 | 230.06 | 1599.50 | 23.52 | -19.52 | -23.32 | 0.00 | 1670319.14 | 3231613.72 | 39.670944 | -104.677202 |
| | 1700.00 | 1.93 | 230.06 | 1699.44 | 26.13 | -21.69 | -25.90 | 0.00 | 1670316.95 | 3231611.15 | 39.670938 | -104.677211 |
| | 1800.00 | 1.93 | 230.06 | 1799.38 | 28.74 | -23.85 | -28.49 | 0.00 | 1670314.76 | 3231608.59 | 39.670933 | -104.677220 |
| | 1900.00 | 1.93 | 230.06 | 1899.33 | 31.35 | -26.02 | -31.07 | 0.00 | 1670312.57 | 3231606.02 | 39.670927 | -104.677229 |
| | 2000.00 | 1.93 | 230.06 | 1999.27 | 33.96 | -28.18 | -33.66 | 0.00 | 1670310.38 | 3231603.46 | 39.670921 | -104.677239 |
| | 2100.00 | 1.93 | 230.06 | 2099.21 | 36.57 | -30.35 | -36.24 | 0.00 | 1670308.19 | 3231600.89 | 39.670915 | -104.677248 |
| | 2200.00 | 1.93 | 230.06 | 2199.15 | 39.18 | -32.52 | -38.83 | 0.00 | 1670306.00 | 3231598.32 | 39.670909 | -104.677257 |
| | 2300.00 | 1.93 | 230.06 | 2299.10 | 41.79 | -34.68 | -41.42 | 0.00 | 1670303.82 | 3231595.76 | 39.670903 | -104.677266 |
| | 2400.00 | 1.93 | 230.06 | 2399.04 | 44.39 | -36.85 | -44.00 | 0.00 | 1670301.63 | 3231593.19 | 39.670897 | -104.677275 |
| | 2500.00 | 1.93 | 230.06 | 2498.98 | 47.00 | -39.01 | -46.59 | 0.00 | 1670299.44 | 3231590.63 | 39.670891 | -104.677284 |
| | 2600.00 | 1.93 | 230.06 | 2598.93 | 49.61 | -41.18 | -49.17 | 0.00 | 1670297.25 | 3231588.06 | 39.670885 | -104.677294 |
| | 2700.00 | 1.93 | 230.06 | 2698.87 | 52.22 | -43.34 | -51.76 | 0.00 | 1670295.06 | 3231585.49 | 39.670879 | -104.677303 |
| | 2800.00 | 1.93 | 230.06 | 2798.81 | 54.83 | -45.51 | -54.34 | 0.00 | 1670292.87 | 3231582.93 | 39.670873 | -104.677312 |
| | 2900.00 | 1.93 | 230.06 | 2898.76 | 57.44 | -47.67 | -56.93 | 0.00 | 1670290.69 | 3231580.36 | 39.670867 | -104.677321 |
| | 3000.00 | 1.93 | 230.06 | 2998.70 | 60.05 | -49.84 | -59.52 | 0.00 | 1670288.50 | 3231577.80 | 39.670861 | -104.677330 |
| | 3100.00 | 1.93 | 230.06 | 3098.64 | 62.66 | -52.00 | -62.10 | 0.00 | 1670286.31 | 3231575.23 | 39.670855 | -104.677340 |
| | 3200.00 | 1.93 | 230.06 | 3198.59 | 65.26 | -54.17 | -64.69 | 0.00 | 1670284.12 | 3231572.66 | 39.670849 | -104.677349 |
| | 3300.00 | 1.93 | 230.06 | 3298.53 | 67.87 | -56.33 | -67.27 | 0.00 | 1670281.93 | 3231570.10 | 39.670843 | -104.677358 |
| | 3400.00 | 1.93 | 230.06 | 3398.47 | 70.48 | -58.50 | -69.86 | 0.00 | 1670279.74 | 3231567.53 | 39.670837 | -104.677367 |
| | 3500.00 | 1.93 | 230.06 | 3498.42 | 73.09 | -60.66 | -72.44 | 0.00 | 1670277.55 | 3231564.97 | 39.670831 | -104.677376 |
| | 3600.00 | 1.93 | 230.06 | 3598.36 | 75.70 | -62.83 | -75.03 | 0.00 | 1670275.37 | 3231562.40 | 39.670826 | -104.677386 |
| | 3700.00 | 1.93 | 230.06 | 3698.30 | 78.31 | -64.99 | -77.62 | 0.00 | 1670273.18 | 3231559.83 | 39.670820 | -104.677395 |
| | 3800.00 | 1.93 | 230.06 | 3798.24 | 80.92 | -67.16 | -80.20 | 0.00 | 1670270.99 | 3231557.27 | 39.670814 | -104.677404 |
| | 3900.00 | 1.93 | 230.06 | 3898.19 | 83.53 | -69.32 | -82.79 | 0.00 | 1670268.80 | 3231554.70 | 39.670808 | -104.677413 |
| | 4000.00 | 1.93 | 230.06 | 3998.13 | 86.14 | -71.49 | -85.37 | 0.00 | 1670266.61 | 3231552.14 | 39.670802 | -104.677422 |
| | 4100.00 | 1.93 | 230.06 | 4098.07 | 88.74 | -73.66 | -87.96 | 0.00 | 1670264.42 | 3231549.57 | 39.670796 | -104.677431 |
| | 4200.00 | 1.93 | 230.06 | 4198.02 | 91.35 | -75.82 | -90.54 | 0.00 | 1670262.23 | 3231547.00 | 39.670790 | -104.677441 |
| | 4300.00 | 1.93 | 230.06 | 4297.96 | 93.96 | -77.99 | -93.13 | 0.00 | 1670260.05 | 3231544.44 | 39.670784 | -104.677450 |
| | 4400.00 | 1.93 | 230.06 | 4397.90 | 96.57 | -80.15 | -95.72 | 0.00 | 1670257.86 | 3231541.87 | 39.670778 | -104.677459 |
| | 4500.00 | 1.93 | 230.06 | 4497.85 | 99.18 | -82.32 | -98.30 | 0.00 | 1670255.67 | 3231539.31 | 39.670772 | -104.677468 |
| | 4600.00 | 1.93 | 230.06 | 4597.79 | 101.79 | -84.48 | -100.89 | 0.00 | 1670253.48 | 3231536.74 | 39.670766 | -104.677477 |
| | 4700.00 | 1.93 | 230.06 | 4697.73 | 104.40 | -86.65 | -103.47 | 0.00 | 1670251.29 | 3231534.17 | 39.670760 | -104.677487 |
| | 4800.00 | 1.93 | 230.06 | 4797.68 | 107.01 | -88.81 | -106.06 | 0.00 | 1670249.10 | 3231531.61 | 39.670754 | -104.677496 |
| | 4900.00 | 1.93 | 230.06 | 4897.62 | 109.61 | -90.98 | -108.65 | 0.00 | 1670246.91 | 3231529.04 | 39.670748 | -104.677505 |
| | 5000.00 | 1.93 | 230.06 | 4997.56 | 112.22 | -93.14 | -111.23 | 0.00 | 1670244.73 | 3231526.48 | 39.670742 | -104.677514 |
| | 5100.00 | 1.93 | 230.06 | 5097.51 | 114.83 | -95.31 | -113.82 | 0.00 | 1670242.54 | 3231523.91 | 39.670736 | -104.677523 |
| | 5200.00 | 1.93 | 230.06 | 5197.45 | 117.44 | -97.47 | -116.40 | 0.00 | 1670240.35 | 3231521.34 | 39.670730 | -104.677533 |
| | 5300.00 | 1.93 | 230.06 | 5297.39 | 120.05 | -99.64 | -118.99 | 0.00 | 1670238.16 | 3231518.78 | 39.670724 | -104.677542 |
| | 5400.00 | 1.93 | 230.06 | 5397.33 | 122.66 | -101.80 | -121.57 | 0.00 | 1670235.97 | 3231516.21 | 39.670719 | -104.677551 |
| | 5500.00 | 1.93 | 230.06 | 5497.28 | 125.27 | -103.97 | -124.16 | 0.00 | 1670233.78 | 3231513.65 | 39.670713 | -104.677560 |
| | 5600.00 | 1.93 | 230.06 | 5597.22 | 127.88 | -106.13 | -126.75 | 0.00 | 1670231.59 | 3231511.08 | 39.670707 | -104.677569 |
| | 5700.00 | 1.93 | 230.06 | 5697.16 | 130.49 | -108.30 | -129.33 | 0.00 | 1670229.41 | 3231508.51 | 39.670701 | -104.677578 |
| | 5800.00 | 1.93 | 230.06 | 5797.11 | 133.09 | -110.46 | -131.92 | 0.00 | 1670227.22 | 3231505.95 | 39.670695 | -104.677588 |
| | 5900.00 | 1.93 | 230.06 | 5897.05 | 135.70 | -112.63 | -134.50 | 0.00 | 1670225.03 | 3231503.38 | 39.670689 | -104.677597 |
| | 6000.00 | 1.93 | 230.06 | 5996.99 | 138.31 | -114.80 | -137.09 | 0.00 | 1670222.84 | 3231500.82 | 39.670683 | -104.677606 |
| | 6100.00 | 1.93 | 230.06 | 6096.94 | 140.92 | -116.96 | -139.67 | 0.00 | 1670220.65 | 3231498.25 | 39.670677 | -104.677615 |
| | 6200.00 | 1.93 | 230.06 | 6196.88 | 143.53 | -119.13 | -142.26 | 0.00 | 1670218.46 | 3231495.68 | 39.670671 | -104.677624 |
| | 6300.00 | 1.93 | 230.06 | 6296.82 | 146.14 | -121.29 | -144.85 | 0.00 | 1670216.27 | 3231493.12 | 39.670665 | -104.677634 |
| | 6400.00 | 1.93 | 230.06 | 6396.77 | 148.75 | -123.46 | -147.43 | 0.00 | 1670214.09 | 3231490.55 | 39.670659 | -104.677643 |
| | 6500.00 | 1.93 | 230.06 | 6496.71 | 151.36 | -125.62 | -150.02 | 0.00 | 1670211.90 | 3231487.99 | 39.670653 | -104.677652 |
| | 6600.00 | 1.93 | 230.06 | 6596.65 | 153.96 | -127.79 | -152.60 | 0.00 | 1670209.71 | 3231485.42 | 39.670647 | -104.677661 |
| | 6700.00 | 1.93 | 230.06 | 6696.59 | 156.57 | -129.95 | -155.19 | 0.00 | 1670207.52 | 3231482.86 | 39.670641 | -104.677670 |
| | 6800.00 | 1.93 | 230.06 | 6796.54 | 159.18 | -132.12 | -157.77 | 0.00 | 1670205.33 | 3231480.29 | 39.670635 | -104.677679 |
| | 6900.00 | 1.93 | 230.06 | 6896.48 | 161.79 | -134.28 | -160.36 | 0.00 | 1670203.14 | 3231477.72 | 39.670629 | -104.677689 |
| | 7000.00 | 1.93 | 230.06 | 6996.42 | 164.40 | -136.45 | -162.95 | 0.00 | 1670200.95 | 3231475.16 | 39.670623 | -104.677698 |
| | 7100.00 | 1.93 | 230.06 | 7096.37 | 167.01 | -138.61 | -165.53 | 0.00 | 1670198.77 | 3231472.59 | 39.670617 | -104.677707 |
| KOP, Build/Turn 8 DLS | 7181.10 | 1.93 | 230.06 | 7177.42 | 169.12 | -140.37 | -167.63 | 0.00 | 1670196.99 | 3231470.51 | 39.670613 | -104.677714 |
| | 7200.00 | 3.2 | | | | | | | | | | |

| Comments | MD (ft) | Incl (°) | Azim True (°) | TVD (ft) | VSEC (ft) | NS (ft) | EW (ft) | DLS (°/100ft) | Northing (ftUS) | Easting (ftUS) | Latitude (°) | Longitude (°) |
|--------------------------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-----------------|------------------|
| TPZ Point, Hold to TD | 7300.00 | 11.06 | 263.84 | 7295.45 | 182.05 | -142.89 | -180.53 | 8.00 | 1670194.36 | 3231457.63 | 39.670606 | -104.677760 |
| | 7400.00 | 19.03 | 266.62 | 7391.95 | 207.92 | -144.88 | -206.38 | 8.00 | 1670192.13 | 3231431.80 | 39.670600 | -104.677852 |
| | 7500.00 | 27.02 | 267.79 | 7483.91 | 246.97 | -146.72 | -245.41 | 8.00 | 1670189.93 | 3231392.79 | 39.670595 | -104.677991 |
| | 7600.00 | 35.01 | 268.45 | 7569.55 | 298.44 | -148.38 | -296.86 | 8.00 | 1670187.81 | 3231341.35 | 39.670591 | -104.678174 |
| | 7700.00 | 43.00 | 268.90 | 7647.20 | 361.32 | -149.81 | -359.74 | 8.00 | 1670185.81 | 3231278.50 | 39.670587 | -104.678397 |
| | 7800.00 | 51.00 | 269.23 | 7715.34 | 434.40 | -150.99 | -432.80 | 8.00 | 1670183.97 | 3231205.45 | 39.670583 | -104.678656 |
| | 7900.00 | 59.00 | 269.49 | 7772.65 | 516.25 | -151.90 | -514.65 | 8.00 | 1670182.32 | 3231123.62 | 39.670581 | -104.678947 |
| | 8000.00 | 66.99 | 269.71 | 7818.02 | 605.27 | -152.52 | -603.67 | 8.00 | 1670180.89 | 3231034.61 | 39.670579 | -104.679263 |
| | 8100.00 | 74.99 | 269.90 | 7850.56 | 699.74 | -152.84 | -698.14 | 8.00 | 1670179.71 | 3230940.14 | 39.670578 | -104.679599 |
| | 8200.00 | 82.99 | 270.08 | 7869.65 | 797.81 | -152.86 | -796.22 | 8.00 | 1670178.81 | 3230842.07 | 39.670578 | -104.679947 |
| | 8287.64 | 90.00 | 270.24 | 7875.00 | 885.23 | -152.61 | -883.64 | 8.00 | 1670178.26 | 3230754.65 | 39.670579 | -104.680258 |
| | 8300.00 | 90.00 | 270.24 | 7875.00 | 897.58 | -152.56 | -896.00 | 0.00 | 1670178.20 | 3230742.29 | 39.670579 | -104.680302 |
| | 8400.00 | 90.00 | 270.24 | 7875.00 | 997.57 | -152.15 | -996.00 | 0.00 | 1670177.71 | 3230642.29 | 39.670580 | -104.680657 |
| | 8500.00 | 90.00 | 270.24 | 7875.00 | 1097.56 | -151.74 | -1096.00 | 0.00 | 1670177.21 | 3230542.30 | 39.670581 | -104.681012 |
| | 8600.00 | 90.00 | 270.24 | 7875.00 | 1197.55 | -151.33 | -1196.00 | 0.00 | 1670176.72 | 3230442.30 | 39.670582 | -104.681368 |
| | 8700.00 | 90.00 | 270.24 | 7875.00 | 1297.54 | -150.92 | -1296.00 | 0.00 | 1670176.22 | 3230342.30 | 39.670584 | -104.681723 |
| | 8800.00 | 90.00 | 270.24 | 7875.00 | 1397.53 | -150.51 | -1396.00 | 0.00 | 1670175.73 | 3230242.31 | 39.670585 | -104.682078 |
| | 8900.00 | 90.00 | 270.24 | 7875.00 | 1497.52 | -150.09 | -1495.99 | 0.00 | 1670175.23 | 3230142.31 | 39.670586 | -104.682433 |
| | 9000.00 | 90.00 | 270.24 | 7875.00 | 1597.51 | -149.68 | -1595.99 | 0.00 | 1670174.74 | 3230042.31 | 39.670587 | -104.682789 |
| | 9100.00 | 90.00 | 270.24 | 7875.00 | 1697.50 | -149.27 | -1695.99 | 0.00 | 1670174.25 | 3229942.31 | 39.670588 | -104.683144 |
| | 9200.00 | 90.00 | 270.24 | 7875.00 | 1797.49 | -148.86 | -1795.99 | 0.00 | 1670173.75 | 3229842.32 | 39.670589 | -104.683499 |
| | 9300.00 | 90.00 | 270.24 | 7875.00 | 1897.47 | -148.45 | -1895.99 | 0.00 | 1670173.26 | 3229742.32 | 39.670590 | -104.683854 |
| | 9400.00 | 90.00 | 270.24 | 7875.00 | 1997.46 | -148.04 | -1995.99 | 0.00 | 1670172.76 | 3229642.32 | 39.670591 | -104.684209 |
| | 9500.00 | 90.00 | 270.24 | 7875.00 | 2097.45 | -147.63 | -2095.99 | 0.00 | 1670172.27 | 3229542.33 | 39.670592 | -104.684565 |
| | 9600.00 | 90.00 | 270.24 | 7875.00 | 2197.44 | -147.22 | -2195.99 | 0.00 | 1670171.77 | 3229442.33 | 39.670594 | -104.684920 |
| | 9700.00 | 90.00 | 270.24 | 7875.00 | 2297.43 | -146.80 | -2295.99 | 0.00 | 1670171.28 | 3229342.33 | 39.670595 | -104.685275 |
| | 9800.00 | 90.00 | 270.24 | 7875.00 | 2397.42 | -146.39 | -2395.99 | 0.00 | 1670170.78 | 3229242.33 | 39.670596 | -104.685630 |
| | 9900.00 | 90.00 | 270.24 | 7875.00 | 2497.41 | -145.98 | -2495.99 | 0.00 | 1670170.29 | 3229142.34 | 39.670597 | -104.685986 |
| | 10000.00 | 90.00 | 270.24 | 7875.00 | 2597.40 | -145.57 | -2595.99 | 0.00 | 1670169.79 | 3229042.34 | 39.670598 | -104.686341 |
| | 10100.00 | 90.00 | 270.24 | 7875.00 | 2697.39 | -145.16 | -2695.98 | 0.00 | 1670169.30 | 3228942.34 | 39.670599 | -104.686696 |
| | 10200.00 | 90.00 | 270.24 | 7875.00 | 2797.38 | -144.75 | -2795.98 | 0.00 | 1670168.80 | 3228842.35 | 39.670600 | -104.687051 |
| | 10300.00 | 90.00 | 270.24 | 7875.00 | 2897.36 | -144.34 | -2895.98 | 0.00 | 1670168.31 | 3228742.35 | 39.670601 | -104.687406 |
| | 10400.00 | 90.00 | 270.24 | 7875.00 | 2997.35 | -143.93 | -2995.98 | 0.00 | 1670167.82 | 3228642.35 | 39.670602 | -104.687762 |
| | 10500.00 | 90.00 | 270.24 | 7875.00 | 3097.34 | -143.51 | -3095.98 | 0.00 | 1670167.32 | 3228542.36 | 39.670604 | -104.688117 |
| | 10600.00 | 90.00 | 270.24 | 7875.00 | 3197.33 | -143.10 | -3195.98 | 0.00 | 1670166.83 | 3228442.36 | 39.670605 | -104.688472 |
| | 10700.00 | 90.00 | 270.24 | 7875.00 | 3297.32 | -142.69 | -3295.98 | 0.00 | 1670166.33 | 3228342.36 | 39.670606 | -104.688827 |
| | 10800.00 | 90.00 | 270.24 | 7875.00 | 3397.31 | -142.28 | -3395.98 | 0.00 | 1670165.84 | 3228242.36 | 39.670607 | -104.689183 |
| | 10900.00 | 90.00 | 270.24 | 7875.00 | 3497.30 | -141.87 | -3495.98 | 0.00 | 1670165.34 | 3228142.37 | 39.670608 | -104.689538 |
| | 11000.00 | 90.00 | 270.24 | 7875.00 | 3597.29 | -141.46 | -3595.98 | 0.00 | 1670164.85 | 3228042.37 | 39.670609 | -104.689893 |
| | 11100.00 | 90.00 | 270.24 | 7875.00 | 3697.28 | -141.05 | -3695.98 | 0.00 | 1670164.35 | 3227942.37 | 39.670610 | -104.690248 |
| | 11200.00 | 90.00 | 270.24 | 7875.00 | 3797.27 | -140.64 | -3795.98 | 0.00 | 1670163.86 | 3227842.38 | 39.670611 | -104.690604 |
| | 11300.00 | 90.00 | 270.24 | 7875.00 | 3897.25 | -140.23 | -3895.97 | 0.00 | 1670163.36 | 3227742.38 | 39.670612 | -104.690959 |
| | 11400.00 | 90.00 | 270.24 | 7875.00 | 3997.24 | -139.81 | -3995.97 | 0.00 | 1670162.87 | 3227642.38 | 39.670613 | -104.691314 |
| | 11500.00 | 90.00 | 270.24 | 7875.00 | 4097.23 | -139.40 | -4095.97 | 0.00 | 1670162.38 | 3227542.38 | 39.670614 | -104.691669 |
| | 11600.00 | 90.00 | 270.24 | 7875.00 | 4197.22 | -138.99 | -4195.97 | 0.00 | 1670161.88 | 3227442.39 | 39.670615 | -104.692024 |
| | 11700.00 | 90.00 | 270.24 | 7875.00 | 4297.21 | -138.58 | -4295.97 | 0.00 | 1670161.39 | 3227342.39 | 39.670617 | -104.692380 |
| | 11800.00 | 90.00 | 270.24 | 7875.00 | 4397.20 | -138.17 | -4395.97 | 0.00 | 1670160.89 | 3227242.39 | 39.670618 | -104.692735 |
| | 11900.00 | 90.00 | 270.24 | 7875.00 | 4497.19 | -137.76 | -4495.97 | 0.00 | 1670160.40 | 3227142.40 | 39.670619 | -104.693090 |
| | 12000.00 | 90.00 | 270.24 | 7875.00 | 4597.18 | -137.35 | -4595.97 | 0.00 | 1670159.90 | 3227042.40 | 39.670620 | -104.693445 |
| | 12100.00 | 90.00 | 270.24 | 7875.00 | 4697.17 | -136.94 | -4695.97 | 0.00 | 1670159.41 | 3226942.40 | 39.670621 | -104.693801 |
| 12200.00 | 90.00 | 270.24 | 7875.00 | 4797.16 | -136.52 | -4795.97 | 0.00 | 1670158.91 | 3226842.40 | 39.670622 | -104.694156 | |
| 12300.00 | 90.00 | 270.24 | 7875.00 | 4897.14 | -136.11 | -4895.97 | 0.00 | 1670158.42 | 3226742.41 | 39.670623 | -104.694511 | |
| 12400.00 | 90.00 | 270.24 | 7875.00 | 4997.13 | -135.70 | -4995.97 | 0.00 | 1670157.92 | 3226642.41 | 39.670624 | -104.694866 | |
| 12500.00 | 90.00 | 270.24 | 7875.00 | 5097.12 | -135.29 | -5095.96 | 0.00 | 1670157.43 | 3226542.41 | 39.670625 | -104.695222 | |
| 12600.00 | 90.00 | 270.24 | 7875.00 | 5197.11 | -134.88 | -5195.96 | 0.00 | 1670156.94 | 3226442.42 | 39.670626 | -104.695577 | |
| 12700.00 | 90.00 | 270.24 | 7875.00 | 5297.10 | -134.47 | -5295.96 | 0.00 | 1670156.44 | 3226342.42 | 39.670627 | -104.695933 | |
| 12800.00 | 90.00 | 270.24 | 7875.00 | 5397.09 | -134.06 | -5395.96 | 0.00 | 1670155.95 | 3226242.42 | 39.670628 | -104.696287 | |
| 12900.00 | 90.00 | 270.24 | 7875.00 | 5497.08 | -133.65 | -5495.96 | 0.00 | 1670155.45 | 3226142.42 | 39.670629 | -104.696642 | |
| 13000.00 | 90.00 | 270.24 | 7875.00 | 5597.07 | -133.23 | -5595.96 | 0.00 | 1670154.96 | 3226042.43 | 39.670631 | -104.696998 | |
| 13100.00 | 90.00 | 270.24 | 7875.00 | 5697.06 | -132.82 | -5695.96 | 0.00 | 1670154.46 | 3225942.43 | 39.670632 | -104.697353 | |
| 13200.00 | 90.00 | 270.24 | 7875.00 | 5797.05 | -132.41 | -5795.96 | 0.00 | 1670153.97 | 3225842.43 | 39.670633 | -104.697708 | |
| 13300.00 | 90.00 | 270.24 | 7875.00 | 5897.03 | -132.00 | -5895.96 | 0.00 | 1670153.47 | 3225742.44 | 39.670634 | -104.698063 | |
| 13400.00 | 90.00 | 270.24 | 7875.00 | 5997.02 | -131.59 | -5995.96 | 0.00 | 1670152.98 | 3225642.44 | 39.670635 | -104.698419 | |
| 13500.00 | 90.00 | 270.24 | 7875.00 | 6097.01 | -131.18 | -6095.96 | 0.00 | 1670152.48 | 3225542.44 | 39.670636 | -104.698774 | |
| 13600.00 | 90.00 | 270.24 | 7875.00 | 6197.00 | -130.77 | -6195.96 | 0.00 | 1670151.99 | 3225442.44 | 39.670637 | -104.699129 | |
| 13700.00 | 90.00 | 270.24 | 7875.00 | 6296.99 | -130.36 | -6295.95 | | | | | | |

| Comments | MD (ft) | Incl (°) | Azim True (°) | TVD (ft) | VSEC (ft) | NS (ft) | EW (ft) | DLS (°/100ft) | Northing (ftUS) | Easting (ftUS) | Latitude (°) | Longitude (°) |
|----------------------------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-----------------|------------------|
| Rush 4-65 29-30 4AH BHL | 17935.46 | 90.00 | 270.24 | 7875.00 | 10531.98 | -112.94 | -10531.37 | 0.00 | 1670130.55 | 3221107.11 | 39.670682 | -104.714530 |

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

| Description | Part | MD From (ft) | MD To (ft) | EOU Freq (ft) | Hole Size (in) | Casing Diameter (in) | Expected Max Inclination (deg) | Survey Tool Type | Borehole / Survey |
|-------------|------|-----------------|---------------|------------------|-------------------|-------------------------|--------------------------------------|-------------------------------------|--|
| | 1 | 0.000 | 28.000 | 1/100.000 | 13.500 | 9.625 | | NAL_MWD_PLUS_0.5_DEG- Depth Only | Original Hole / Rush 4-65 29-30 4AH Plan #0 |
| | 1 | 28.000 | 2000.000 | 1/100.000 | 13.500 | 9.625 | | NAL_MWD_PLUS_0.5_DEG | Original Hole / Rush 4-65 29-30 4AH Plan #0 |
| | 1 | 2000.000 | 17935.456 | 1/100.000 | 8.500 | 5.500 | | NAL_MWD_PLUS_0.5_DEG | Original Hole / Rush 4-65 29-30 4AH Plan #0 |