



Fulcrum Energy Operating

Rev 0

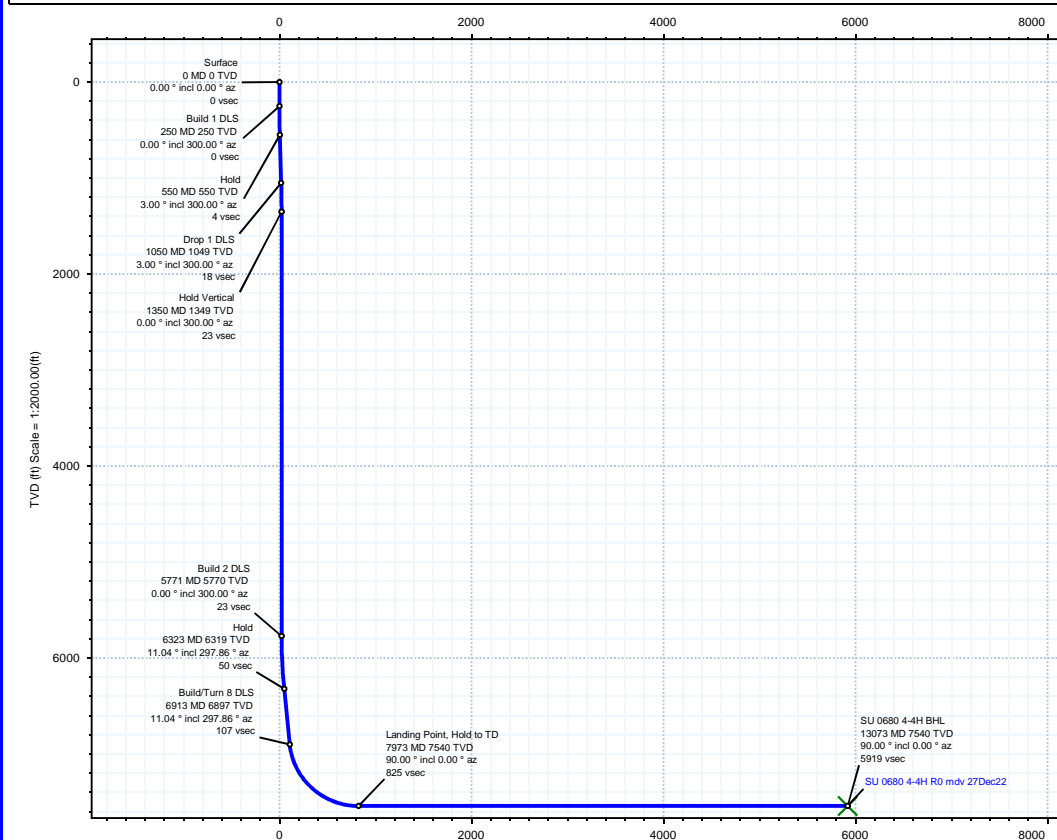


| | | | |
|--------------|--------------|--------------------------------|--|
| Borehole: | Well: | Field: | Structure: |
| SU 0680 4-4H | SU 0680 4-4H | CO, Jackson County (NAD 83 NZ) | Fulcrum Energy 09-6N-80W (Surprise Unit 0680 S9 Pad) |

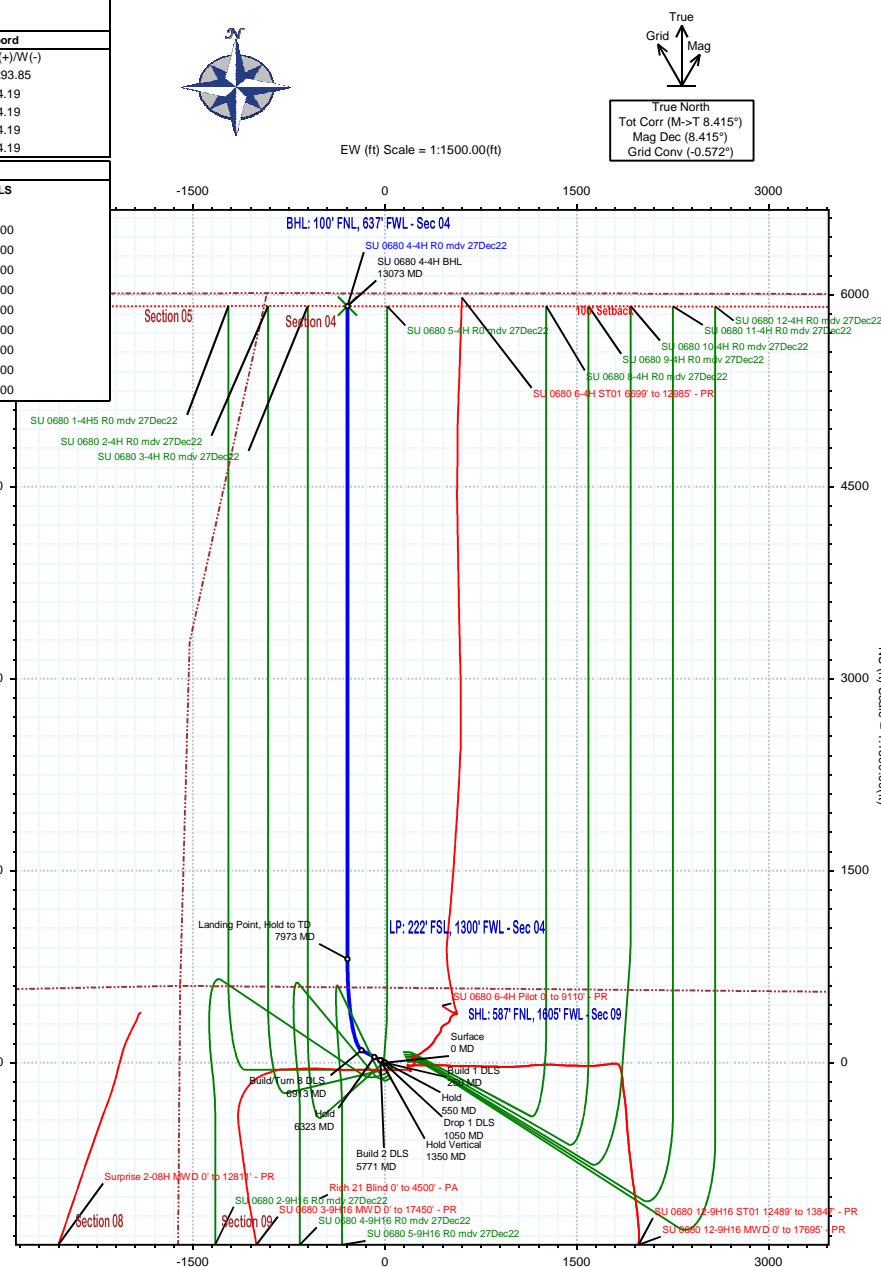
| | | | |
|---|---|---|-----------------------------------|
| Gravity & Magnetic Parameters | Surface Location | NAD83 Colorado State Plane, Northern Zone, US Feet | Miscellaneous |
| Model: HDGM 2022 Dip: 66.399° Date: 27-Dec-2022 | Lat: N 40 30 36.38 Northing: 1429899.06ftUS Grid Conv: -0.5717° | Slot: SU 0680 4-4H TVD Ref: KB 26ft(8293ft above MSL) | Plan: SU 0680 4-4H R0 mdv 27Dec22 |
| MagDec: 8.415° FS: 51662.839nT Gravity FS: 998.774mgn (9.80665 Based) | Lon: W 106 23 5.07 Easting: 2753994.76ftUS Scale Fact: 0.99996707 | | |

| | | Surface Location | | Grid Coord | | Local Coord | |
|--|---------------|---------------------------|------------|-------------------------|---------|--------------------------|-----------|
| Northing: 1429899.05877766 | | Easting: 2753994.75696404 | | Latitude: N 40 30 36.38 | | Longitude: W 106 23 5.07 | |
| VSec Azimuth: 357.15 | | | | | | | |
| Target Description | Latitude | Longitude | Northing | Easting | TVD | VSec | N(+)/S(-) |
| Target Name | | | | | | | E(+)/W(-) |
| SU 0680 4-4H BHL | N 40 31 34.80 | W 106 23 8.87 | 1435813.31 | 2753759.92 | 7540.00 | 5919.12 | 5911.82 |
| Suprise Unit 0680 S9 Pad - Sec 16 - 100' | N 40 30 35.83 | W 106 23 4.75 | 1429843.81 | 2754018.40 | 8293.00 | -56.15 | -55.01 |
| Suprise Unit 0680 S9 Pad - Sec 05-04 - 16 | N 40 30 35.83 | W 106 23 4.75 | 1429843.81 | 2754018.40 | 8293.00 | -56.15 | -55.01 |
| Suprise Unit 0680 S9 Pad - Sec 09-05-04 - 16 | N 40 30 35.83 | W 106 23 4.75 | 1429843.81 | 2754018.40 | 8293.00 | -56.15 | -55.01 |
| Suprise Unit 0680 S9 Pad - Sec 09-16 | N 40 30 35.83 | W 106 23 4.75 | 1429843.81 | 2754018.40 | 8293.00 | -56.15 | -55.01 |

| 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 | 0.00 |
| Build 1 DLS | 250.00 | 0.00 | 300.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hold | 550.00 | 3.00 | 300.00 | 549.86 | 4.26 | 3.93 | -6.80 | 1.00 |
| Drop 1 DLS | 1050.00 | 3.00 | 300.00 | 1049.18 | 18.45 | 17.01 | -29.46 | 0.00 |
| Hold Vertical | 1350.00 | 0.00 | 300.00 | 1349.04 | 22.71 | 20.94 | -36.26 | 1.00 |
| Build 2 DLS | 5770.96 | 0.00 | 300.00 | 5770.00 | 22.71 | 20.94 | -36.26 | 0.00 |
| Hold | 6323.06 | 11.04 | 297.86 | 6318.68 | 49.79 | 45.72 | -83.15 | 2.00 |
| Build/Turn 8 DLS | 6912.69 | 11.04 | 297.86 | 6897.40 | 107.46 | 98.50 | -182.99 | 0.00 |
| Landing Point, Hold to TD | 7973.50 | 90.00 | 0.00 | 7540.00 | 825.41 | 811.82 | -293.85 | 8.00 |
| SU 0680 4-4H BHL | 13073.50 | 90.00 | 0.00 | 7540.00 | 5919.12 | 5911.82 | -293.85 | 0.00 |



Vertical Section (ft) Azim = 357.15° Scale = 1:2000.00(ft) Origin = 0N/-S, 0E/-W





SU 0680 4-4H R0 mdv 27Dec22 Proposal Geodetic Report



(Def Plan)

Report Date: December 29, 2022 - 09:14 AM
Client: Fulcrum Energy Operating
Field: CO, Jackson County (NAD 83 NZ)
Structure / Slot: Fulcrum Energy 09-6N-80W (Surprise Unit 0680 S9 Pad) / SU 0680 4-4H
Well: SU 0680 4-4H
Borehole: SU 0680 4-4H
UWI / API#: Unknown / Unknown
Survey Name: SU 0680 4-4H R0 mdv 27Dec22
Survey Date: December 27, 2022
Tort / AHD / DDI / ERD Ratio: 101.907 ° / 6040.399 ft / 6.028 / 0.801
Coordinate Reference System: NAD83 Colorado State Plane, Northern Zone, US Feet
Location Lat / Long: N 40° 30' 36.37800", W 106° 23' 5.06760"
Location Grid N/E Y/X: N 1429899.059 ftUS, E 2753994.757 ftUS
CRS Grid Convergence Angle: -0.5717 °
Grid Scale Factor: 0.99996707
Version / Patch: 2.10.834.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 357.154 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB 26ft
TVD Reference Elevation: 8293.000 ft above MSL
Seabed / Ground Elevation: 8267.000 ft above MSL
Magnetic Declination: 8.415 °
Total Gravity Field Strength: 998.7744mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 51662.839 nT
Magnetic Dip Angle: 66.399 °
Declination Date: December 27, 2022
Magnetic Declination Model: HDGM 2022
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North->True North: 8.4147 °
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 (N/S ° ' ") | Longitude (E/W ° ' ") |
|---------------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-------------------------|--------------------------|
| Surface | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | 1429899.06 | 2753994.76 | N 40 30 36.38 W 106 23 | 5.07 |
| | 100.00 | 0.00 | 300.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1429899.06 | 2753994.76 | N 40 30 36.38 W 106 23 | 5.07 |
| | 200.00 | 0.00 | 300.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1429899.06 | 2753994.76 | N 40 30 36.38 W 106 23 | 5.07 |
| Build 1 DLS | 250.00 | 0.00 | 300.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1429899.06 | 2753994.76 | N 40 30 36.38 W 106 23 | 5.07 |
| | 300.00 | 0.50 | 300.00 | 300.00 | 0.12 | 0.11 | -0.19 | 1.00 | 1429899.17 | 2753994.57 | N 40 30 36.38 W 106 23 | 5.07 |
| | 400.00 | 1.50 | 300.00 | 399.98 | 1.06 | 0.98 | -1.70 | 1.00 | 1429900.06 | 2753993.07 | N 40 30 36.39 W 106 23 | 5.09 |
| | 500.00 | 2.50 | 300.00 | 499.92 | 2.96 | 2.73 | -4.72 | 1.00 | 1429901.83 | 2753990.06 | N 40 30 36.40 W 106 23 | 5.13 |
| Hold | 550.00 | 3.00 | 300.00 | 549.86 | 4.26 | 3.93 | -6.80 | 1.00 | 1429903.05 | 2753988.00 | N 40 30 36.42 W 106 23 | 5.16 |
| | 600.00 | 3.00 | 300.00 | 599.79 | 5.68 | 5.23 | -9.07 | 0.00 | 1429904.38 | 2753985.74 | N 40 30 36.43 W 106 23 | 5.18 |
| | 700.00 | 3.00 | 300.00 | 699.66 | 8.52 | 7.85 | -13.60 | 0.00 | 1429907.05 | 2753981.24 | N 40 30 36.46 W 106 23 | 5.24 |
| | 800.00 | 3.00 | 300.00 | 799.52 | 11.36 | 10.47 | -18.13 | 0.00 | 1429909.71 | 2753976.73 | N 40 30 36.48 W 106 23 | 5.30 |
| | 900.00 | 3.00 | 300.00 | 899.38 | 14.19 | 13.08 | -22.66 | 0.00 | 1429912.37 | 2753972.23 | N 40 30 36.51 W 106 23 | 5.36 |
| | 1000.00 | 3.00 | 300.00 | 999.25 | 17.03 | 15.70 | -27.20 | 0.00 | 1429915.03 | 2753967.72 | N 40 30 36.53 W 106 23 | 5.42 |
| Drop 1 DLS | 1050.00 | 3.00 | 300.00 | 1049.18 | 18.45 | 17.01 | -29.46 | 0.00 | 1429916.36 | 2753965.47 | N 40 30 36.55 W 106 23 | 5.45 |
| | 1100.00 | 2.50 | 300.00 | 1099.12 | 19.75 | 18.21 | -31.54 | 1.00 | 1429917.58 | 2753963.40 | N 40 30 36.56 W 106 23 | 5.48 |
| | 1200.00 | 1.50 | 300.00 | 1199.06 | 21.65 | 19.95 | -34.56 | 1.00 | 1429919.36 | 2753960.40 | N 40 30 36.58 W 106 23 | 5.52 |
| | 1300.00 | 0.50 | 300.00 | 1299.04 | 22.59 | 20.83 | -36.07 | 1.00 | 1429920.24 | 2753958.89 | N 40 30 36.58 W 106 23 | 5.53 |
| Hold Vertical | 1350.00 | 0.00 | 300.00 | 1349.04 | 22.71 | 20.94 | -36.26 | 1.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 1400.00 | 0.00 | 300.00 | 1399.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 1500.00 | 0.00 | 300.00 | 1499.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 1600.00 | 0.00 | 300.00 | 1599.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 1700.00 | 0.00 | 300.00 | 1699.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 1800.00 | 0.00 | 300.00 | 1799.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 1900.00 | 0.00 | 300.00 | 1899.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2000.00 | 0.00 | 300.00 | 1999.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2100.00 | 0.00 | 300.00 | 2099.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2200.00 | 0.00 | 300.00 | 2199.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2300.00 | 0.00 | 300.00 | 2299.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2400.00 | 0.00 | 300.00 | 2399.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2500.00 | 0.00 | 300.00 | 2499.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2600.00 | 0.00 | 300.00 | 2599.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2700.00 | 0.00 | 300.00 | 2699.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2800.00 | 0.00 | 300.00 | 2799.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 2900.00 | 0.00 | 300.00 | 2899.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3000.00 | 0.00 | 300.00 | 2999.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3100.00 | 0.00 | 300.00 | 3099.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3200.00 | 0.00 | 300.00 | 3199.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3300.00 | 0.00 | 300.00 | 3299.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3400.00 | 0.00 | 300.00 | 3399.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3500.00 | 0.00 | 300.00 | 3499.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3600.00 | 0.00 | 300.00 | 3599.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3700.00 | 0.00 | 300.00 | 3699.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3800.00 | 0.00 | 300.00 | 3799.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 3900.00 | 0.00 | 300.00 | 3899.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4000.00 | 0.00 | 300.00 | 3999.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4100.00 | 0.00 | 300.00 | 4099.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4200.00 | 0.00 | 300.00 | 4199.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4300.00 | 0.00 | 300.00 | 4299.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4400.00 | 0.00 | 300.00 | 4399.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4500.00 | 0.00 | 300.00 | 4499.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4600.00 | 0.00 | 300.00 | 4599.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4700.00 | 0.00 | 300.00 | 4699.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4800.00 | 0.00 | 300.00 | 4799.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 4900.00 | 0.00 | 300.00 | 4899.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 5000.00 | 0.00 | 300.00 | 4999.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 5100.00 | 0.00 | 300.00 | 5099.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 5200.00 | 0.00 | 300.00 | 5199.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 5300.00 | 0.00 | 300.00 | 5299.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 5400.00 | 0.00 | 300.00 | 5399.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 5500.00 | 0.00 | 300.00 | 5499.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 5600.00 | 0.00 | 300.00 | 5599.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 5700.00 | 0.00 | 300.00 | 5699.04 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| Build 2 DLS | 5770.96 | 0.00 | 300.00 | 5770.00 | 22.71 | 20.94 | -36.26 | 0.00 | 1429920.35 | 2753958.71 | N 40 30 36.58 W 106 23 | 5.54 |
| | 5800.00 | 0.58 | 297.86 | 5799.04 | 22.79 | 21.00 | -36.39 | 2.00 | 1429920.43 | 2753958.58 | N 40 30 36.59 W 106 23 | 5.54 |
| | 5900.00 | 2.58 | 297.86 | 5899.00 | 24.19 | 22.29 | -38.83 | 2.00 | 1429921.74 | 2753956.15 | N 40 30 36.60 W 106 23 | 5.57 |
| | 6000.00 | 4.58 | 297.86 | 5998.80 | 27.38 | 25.21 | -44.35 | 2.00 | 1429924.71 | 2753950.66 | N 40 30 36.63 W 106 23 | 5.64 |
| | 6100.00 | 6.58 | 297.86 | 6098.32 | 32.35 | 29.76 | -52.95 | 2.00 | 1429929.34 | 2753942.11 | N 40 30 36.67 W 106 23 | 5.75 |
| | 6200.00 | 8.58 | 297.86 | 6197.44 | 39.09 | 35.92 | -64.61 | 2.00 | 1429935.62 | 2753930.51 | N 40 30 36.73 W 106 23 | 5.90 |
| | 6300.00 | 10.58 | 297.86 | 6296.04 | 47.58 | 43.70 | -79.33 | 2.00 | 1429943.55 | 2753915.87 | N 40 30 36.81 W 106 23 | 6.09 |
| Hold | 6323.06 | 11.04 | 297.86 | 6318.68 | 49.79 | 45.72 | -83.15 | 2.00 | 1429945.61 | 2753912.07 | N 40 30 36.83 W 106 23 | 6.14 |
| | 6400.00 | 11.04 | 297.86 | 6394.21 | 57.32 | 52.61 | -96.18 | 0.00 | 1429952.62 | 2753899.11 | N 40 30 36.90 W 106 23 | 6.31 |

...SU 0680 4-4H\SU 0680 4-4H\SU 0680 4-4H R0 mdv 27Dec22

| Comments | MD (ft) | Incl (°) | Azim True (°) | TVD (ft) | VSEC (ft) | NS (ft) | EW (ft) | DLS (°/100ft) | Northing (ftUS) | Easting (ftUS) | Latitude (N/S ° ' ") | Longitude (E/W ° ' ") |
|------------------------------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-------------------------|--------------------------|
| Build/Turn 8 DLS | 6500.00 | 11.04 | 297.86 | 6492.35 | 67.10 | 61.56 | -113.11 | 0.00 | 1429961.74 | 2753882.27 | N 40 30 36.99 | W 106 23 6.53 |
| | 6600.00 | 11.04 | 297.86 | 6590.50 | 76.88 | 70.51 | -130.04 | 0.00 | 1429970.86 | 2753865.43 | N 40 30 37.07 | W 106 23 6.75 |
| | 6700.00 | 11.04 | 297.86 | 6688.65 | 86.66 | 79.46 | -146.98 | 0.00 | 1429979.98 | 2753848.59 | N 40 30 37.16 | W 106 23 6.97 |
| | 6800.00 | 11.04 | 297.86 | 6786.80 | 96.44 | 88.41 | -163.91 | 0.00 | 1429989.10 | 2753831.74 | N 40 30 37.25 | W 106 23 7.19 |
| | 6900.00 | 11.04 | 297.86 | 6884.95 | 106.22 | 97.36 | -180.84 | 0.00 | 1429998.22 | 2753814.90 | N 40 30 37.34 | W 106 23 7.41 |
| | 6912.69 | 11.04 | 297.86 | 6897.40 | 107.46 | 98.50 | -182.99 | 0.00 | 1429999.37 | 2753812.77 | N 40 30 37.35 | W 106 23 7.44 |
| | 7000.00 | 15.53 | 321.63 | 6982.42 | 121.26 | 111.59 | -197.66 | 8.00 | 1430012.61 | 2753798.23 | N 40 30 37.48 | W 106 23 7.63 |
| | 7100.00 | 22.29 | 335.11 | 7077.01 | 149.78 | 139.33 | -213.98 | 8.00 | 1430040.51 | 2753782.19 | N 40 30 37.75 | W 106 23 7.84 |
| | 7200.00 | 29.64 | 342.35 | 7166.88 | 191.33 | 180.16 | -229.48 | 8.00 | 1430081.50 | 2753767.09 | N 40 30 38.16 | W 106 23 8.04 |
| | 7300.00 | 37.25 | 346.89 | 7250.27 | 245.11 | 233.29 | -243.87 | 8.00 | 1430134.76 | 2753753.24 | N 40 30 38.68 | W 106 23 8.22 |
| | 7400.00 | 44.97 | 350.06 | 7325.56 | 310.06 | 297.68 | -256.86 | 8.00 | 1430199.27 | 2753740.89 | N 40 30 39.32 | W 106 23 8.39 |
| | 7500.00 | 52.77 | 352.47 | 7391.30 | 384.93 | 372.07 | -268.20 | 8.00 | 1430273.77 | 2753730.30 | N 40 30 40.05 | W 106 23 8.54 |
| | 7600.00 | 60.60 | 354.42 | 7446.18 | 468.25 | 455.02 | -277.67 | 8.00 | 1430356.82 | 2753721.66 | N 40 30 40.87 | W 106 23 8.66 |
| | 7700.00 | 68.45 | 356.09 | 7489.16 | 558.40 | 544.92 | -285.08 | 8.00 | 1430446.78 | 2753715.14 | N 40 30 41.76 | W 106 23 8.76 |
| | 7800.00 | 76.33 | 357.59 | 7519.39 | 653.64 | 640.02 | -290.29 | 8.00 | 1430541.92 | 2753710.87 | N 40 30 42.70 | W 106 23 8.83 |
| | 7900.00 | 84.21 | 359.00 | 7536.29 | 752.10 | 738.45 | -293.21 | 8.00 | 1430640.37 | 2753708.94 | N 40 30 43.67 | W 106 23 8.86 |
| | 7973.50 | 90.00 | 0.00 | 7540.00 | 825.41 | 811.82 | -293.85 | 8.00 | 1430713.74 | 2753709.03 | N 40 30 44.40 | W 106 23 8.87 |
| Landing Point, Hold to TD | 8000.00 | 90.00 | 0.00 | 7540.00 | 851.88 | 838.32 | -293.85 | 0.00 | 1430740.24 | 2753709.30 | N 40 30 44.66 | W 106 23 8.87 |
| | 8100.00 | 90.00 | 0.00 | 7540.00 | 951.76 | 938.32 | -293.85 | 0.00 | 1430840.24 | 2753710.29 | N 40 30 45.65 | W 106 23 8.87 |
| | 8200.00 | 90.00 | 0.00 | 7540.00 | 1051.63 | 1038.32 | -293.85 | 0.00 | 1430940.23 | 2753711.29 | N 40 30 46.64 | W 106 23 8.87 |
| | 8300.00 | 90.00 | 0.00 | 7540.00 | 1151.51 | 1138.32 | -293.85 | 0.00 | 1431040.22 | 2753712.29 | N 40 30 47.63 | W 106 23 8.87 |
| | 8400.00 | 90.00 | 0.00 | 7540.00 | 1251.39 | 1238.32 | -293.85 | 0.00 | 1431140.21 | 2753713.29 | N 40 30 48.61 | W 106 23 8.87 |
| | 8500.00 | 90.00 | 0.00 | 7540.00 | 1351.26 | 1338.32 | -293.85 | 0.00 | 1431240.20 | 2753714.28 | N 40 30 49.60 | W 106 23 8.87 |
| | 8600.00 | 90.00 | 0.00 | 7540.00 | 1451.14 | 1438.32 | -293.85 | 0.00 | 1431340.19 | 2753715.28 | N 40 30 50.59 | W 106 23 8.87 |
| | 8700.00 | 90.00 | 0.00 | 7540.00 | 1551.02 | 1538.32 | -293.85 | 0.00 | 1431440.18 | 2753716.28 | N 40 30 51.58 | W 106 23 8.87 |
| | 8800.00 | 90.00 | 0.00 | 7540.00 | 1650.89 | 1638.32 | -293.85 | 0.00 | 1431540.18 | 2753717.28 | N 40 30 52.57 | W 106 23 8.87 |
| | 8900.00 | 90.00 | 0.00 | 7540.00 | 1750.77 | 1738.32 | -293.85 | 0.00 | 1431640.17 | 2753718.27 | N 40 30 53.56 | W 106 23 8.87 |
| | 9000.00 | 90.00 | 0.00 | 7540.00 | 1850.65 | 1838.32 | -293.85 | 0.00 | 1431740.16 | 2753719.27 | N 40 30 54.54 | W 106 23 8.87 |
| | 9100.00 | 90.00 | 0.00 | 7540.00 | 1950.52 | 1938.32 | -293.85 | 0.00 | 1431840.15 | 2753720.27 | N 40 30 55.53 | W 106 23 8.87 |
| | 9200.00 | 90.00 | 0.00 | 7540.00 | 2050.40 | 2038.32 | -293.85 | 0.00 | 1431940.14 | 2753721.27 | N 40 30 56.52 | W 106 23 8.87 |
| | 9300.00 | 90.00 | 0.00 | 7540.00 | 2150.28 | 2138.32 | -293.85 | 0.00 | 1432040.13 | 2753722.27 | N 40 30 57.51 | W 106 23 8.87 |
| | 9400.00 | 90.00 | 0.00 | 7540.00 | 2250.15 | 2238.32 | -293.85 | 0.00 | 1432140.13 | 2753723.26 | N 40 30 58.50 | W 106 23 8.87 |
| | 9500.00 | 90.00 | 0.00 | 7540.00 | 2350.03 | 2338.32 | -293.85 | 0.00 | 1432240.12 | 2753724.26 | N 40 30 59.48 | W 106 23 8.87 |
| | 9600.00 | 90.00 | 0.00 | 7540.00 | 2449.91 | 2438.32 | -293.85 | 0.00 | 1432340.11 | 2753725.26 | N 40 31 0.47 | W 106 23 8.87 |
| | 9700.00 | 90.00 | 0.00 | 7540.00 | 2549.78 | 2538.32 | -293.85 | 0.00 | 1432440.10 | 2753726.26 | N 40 31 1.46 | W 106 23 8.87 |
| | 9800.00 | 90.00 | 0.00 | 7540.00 | 2649.66 | 2638.32 | -293.85 | 0.00 | 1432540.09 | 2753727.25 | N 40 31 2.45 | W 106 23 8.87 |
| | 9900.00 | 90.00 | 0.00 | 7540.00 | 2749.54 | 2738.32 | -293.85 | 0.00 | 1432640.08 | 2753728.25 | N 40 31 3.44 | W 106 23 8.87 |
| | 10000.00 | 90.00 | 0.00 | 7540.00 | 2849.41 | 2838.32 | -293.85 | 0.00 | 1432740.07 | 2753729.25 | N 40 31 4.42 | W 106 23 8.87 |
| | 10100.00 | 90.00 | 0.00 | 7540.00 | 2949.29 | 2938.32 | -293.85 | 0.00 | 1432840.07 | 2753730.25 | N 40 31 5.41 | W 106 23 8.87 |
| | 10200.00 | 90.00 | 0.00 | 7540.00 | 3049.17 | 3038.32 | -293.85 | 0.00 | 1432940.06 | 2753731.24 | N 40 31 6.40 | W 106 23 8.87 |
| | 10300.00 | 90.00 | 0.00 | 7540.00 | 3149.04 | 3138.32 | -293.85 | 0.00 | 1433040.05 | 2753732.24 | N 40 31 7.39 | W 106 23 8.87 |
| | 10400.00 | 90.00 | 0.00 | 7540.00 | 3248.92 | 3238.32 | -293.85 | 0.00 | 1433140.04 | 2753733.24 | N 40 31 8.38 | W 106 23 8.87 |
| | 10500.00 | 90.00 | 0.00 | 7540.00 | 3348.80 | 3338.32 | -293.85 | 0.00 | 1433240.03 | 2753734.24 | N 40 31 9.37 | W 106 23 8.87 |
| | 10600.00 | 90.00 | 0.00 | 7540.00 | 3448.67 | 3438.32 | -293.85 | 0.00 | 1433340.02 | 2753735.24 | N 40 31 10.35 | W 106 23 8.87 |
| | 10700.00 | 90.00 | 0.00 | 7540.00 | 3548.55 | 3538.32 | -293.85 | 0.00 | 1433440.02 | 2753736.23 | N 40 31 11.34 | W 106 23 8.87 |
| | 10800.00 | 90.00 | 0.00 | 7540.00 | 3648.43 | 3638.32 | -293.85 | 0.00 | 1433540.01 | 2753737.23 | N 40 31 12.33 | W 106 23 8.87 |
| | 10900.00 | 90.00 | 0.00 | 7540.00 | 3748.30 | 3738.32 | -293.85 | 0.00 | 1433640.00 | 2753738.23 | N 40 31 13.32 | W 106 23 8.87 |
| | 11000.00 | 90.00 | 0.00 | 7540.00 | 3848.18 | 3838.32 | -293.85 | 0.00 | 1433739.99 | 2753739.23 | N 40 31 14.31 | W 106 23 8.87 |
| | 11100.00 | 90.00 | 0.00 | 7540.00 | 3948.06 | 3938.32 | -293.85 | 0.00 | 1433839.98 | 2753740.22 | N 40 31 15.29 | W 106 23 8.87 |
| | 11200.00 | 90.00 | 0.00 | 7540.00 | 4047.93 | 4038.32 | -293.85 | 0.00 | 1433939.97 | 2753741.22 | N 40 31 16.28 | W 106 23 8.87 |
| | 11300.00 | 90.00 | 0.00 | 7540.00 | 4147.81 | 4138.32 | -293.85 | 0.00 | 1434039.96 | 2753742.22 | N 40 31 17.27 | W 106 23 8.87 |
| | 11400.00 | 90.00 | 0.00 | 7540.00 | 4247.69 | 4238.32 | -293.85 | 0.00 | 1434139.96 | 2753743.22 | N 40 31 18.26 | W 106 23 8.87 |
| | 11500.00 | 90.00 | 0.00 | 7540.00 | 4347.56 | 4338.32 | -293.85 | 0.00 | 1434239.95 | 2753744.21 | N 40 31 19.25 | W 106 23 8.87 |
| | 11600.00 | 90.00 | 0.00 | 7540.00 | 4447.44 | 4438.32 | -293.85 | 0.00 | 1434339.94 | 2753745.21 | N 40 31 20.23 | W 106 23 8.87 |
| | 11700.00 | 90.00 | 0.00 | 7540.00 | 4547.32 | 4538.32 | -293.85 | 0.00 | 1434439.93 | 2753746.21 | N 40 31 21.22 | W 106 23 8.87 |
| | 11800.00 | 90.00 | 0.00 | 7540.00 | 4647.19 | 4638.32 | -293.85 | 0.00 | 1434539.92 | 2753747.21 | N 40 31 22.21 | W 106 23 8.87 |
| | 11900.00 | 90.00 | 0.00 | 7540.00 | 4747.07 | 4738.32 | -293.85 | 0.00 | 1434639.91 | 2753748.21 | N 40 31 23.20 | W 106 23 8.87 |
| | 12000.00 | 90.00 | 0.00 | 7540.00 | 4846.95 | 4838.32 | -293.85 | 0.00 | 1434739.90 | 2753749.20 | N 40 31 24.19 | W 106 23 8.87 |
| | 12100.00 | 90.00 | 0.00 | 7540.00 | 4946.82 | 4938.32 | -293.85 | 0.00 | 1434839.90 | 2753750.20 | N 40 31 25.18 | W 106 23 8.87 |
| | 12200.00 | 90.00 | 0.00 | 7540.00 | 5046.70 | 5038.32 | -293.85 | 0.00 | 1434939.89 | 2753751.20 | N 40 31 26.16 | W 106 23 8.87 |
| | 12300.00 | 90.00 | 0.00 | 7540.00 | 5146.58 | 5138.32 | -293.85 | 0.00 | 1435039.88 | 2753752.20 | N 40 31 27.15 | W 106 23 8.87 |
| | 12400.00 | 90.00 | 0.00 | 7540.00 | 5246.45 | 5238.32 | -293.85 | 0.00 | 1435139.87 | 2753753.19 | N 40 31 28.14 | W 106 23 8.87 |
| | 12500.00 | 90.00 | 0.00 | 7540.00 | 5346.33 | 5338.32 | -293.85 | 0.00 | 1435239.86 | 2753754.19 | N 40 31 29.13 | W 106 23 8.87 |
| | 12600.00 | 90.00 | 0.00 | 7540.00 | 5446.21 | 5438.32 | -293.85 | 0.00 | 1435339.85 | 2753755.19 | N 40 31 30.12 | W 106 23 8.87 |
| | 12700.00 | 90.00 | 0.00 | 7540.00 | 5546.08 | 5538.32 | -293.85 | 0.00 | 1435439.85 | 2753756.19 | N 40 31 31.10 | W 106 23 8.87 |
| | 12800.00 | 90.00 | 0.00 | 7540.00 | 5645.96 | 5638.32 | -293.85 | 0.00 | 1435539.84 | 2753757.18 | N 40 31 32.09 | W 106 23 8.87 |
| | 12900.00 | 90.00 | 0.00 | 7540.00 | 5745.84 | 5738.32 | -293.85 | 0.00 | 1435639.83 | 2753758.18 | N 40 31 33.08 | W 106 23 8.87 |
| | 13000.00 | 90.00 | 0.00 | 7540.00 | 5845.71 | 5838.32 | -293.85 | 0.00 | 1435739.82 | 2753759.18 | N 40 31 34.07 | W 106 23 8.87 |
| SU 0680 4-4H BHL | 13073.50 | 90.00 | 0.00 | 7540.00 | 5919.12 | 5911.82 | -293.85 | 0.00 | 1435813.31 | 2753759.91 | N 40 31 34.80 | W 106 23 8.87 |

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 3 *** 3-D 97.071% Confidence 3.0000 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 | 26.000 | 1/100.000 | 13.500 | 9.625 | | A001Mb_MWD-Depth Only | SU 0680 4-4H / SU 0680 4-4H R0 mdv 27Dec22 |
| | 1 | 26.000 | 2400.000 | 1/100.000 | 13.500 | 9.625 | | A001Mb_MWD | SU 0680 4-4H / SU 0680 4-4H R0 mdv 27Dec22 |
| | 1 | 2400.000 | 13073.496 | 1/100.000 | 8.500 | 5.500 | | B001Mb_MWD+HRGM | SU 0680 4-4H / SU 0680 4-4H R0 mdv 27Dec22 |