# Fulcrum Energy Operating

Rev 1

| 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**

| Model: | HDGM 2022 | Dip: | 66.399° | Date: | 27-Dec-2022 |
|---|---|---|---|---|---|
| MagDec: | 8.415° | FS: | 51662.839nT | Gravity FS: | 998.774mgn (9.80665 Based) |

**Surface Location** NAD83 Colorado State Plane, Northern Zone, US Feet

| Lat: | N 40 30 36.38 | Northing: | 1429899.06ftUS | Grid Conv: | -0.5717° |
|---|---|---|---|---|---|
| Lon: | W 106 23 5.07 | Easting: | 2753994.76ftUS | Scale Fact: | 0.99996707 |

**Miscellaneous**

| Slot: | SU 0680 4-4H | TVD Ref: | KB 26ft(8293ft above MSL) |
|---|---|---|---|
| Plan: | SU 0680 4-4H R1 mdv 15Jun23 | | |

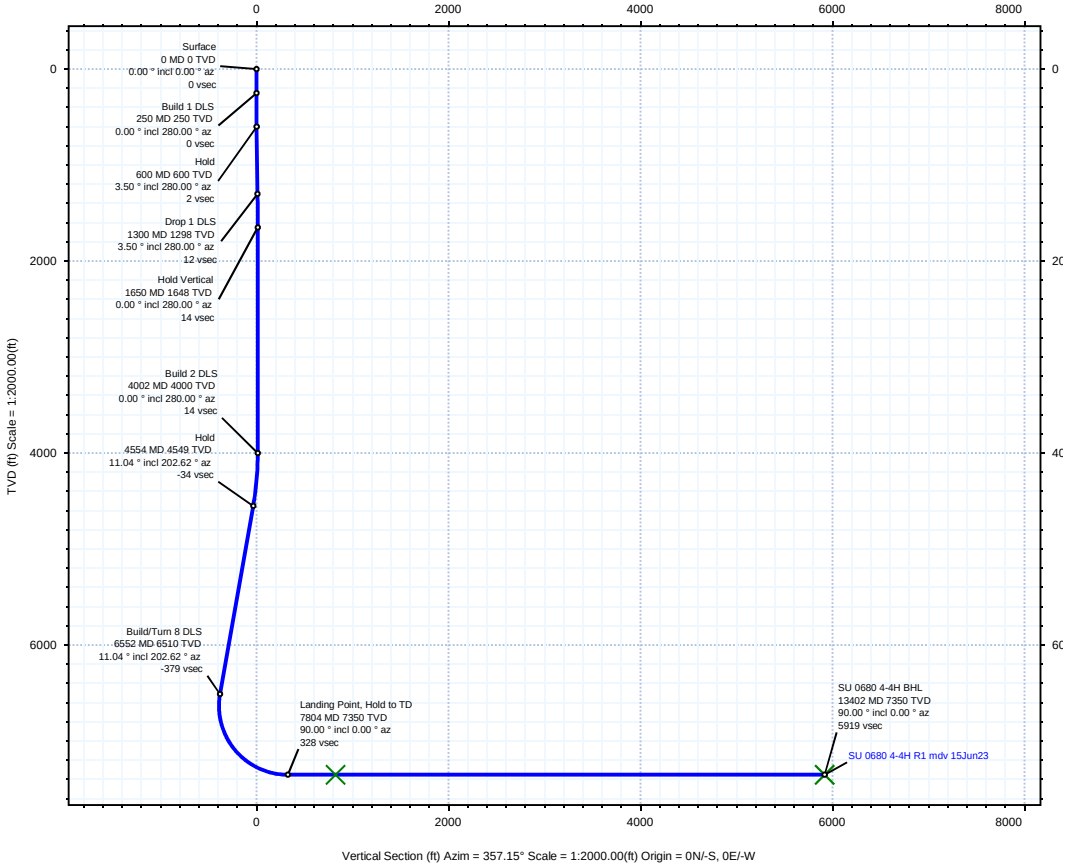
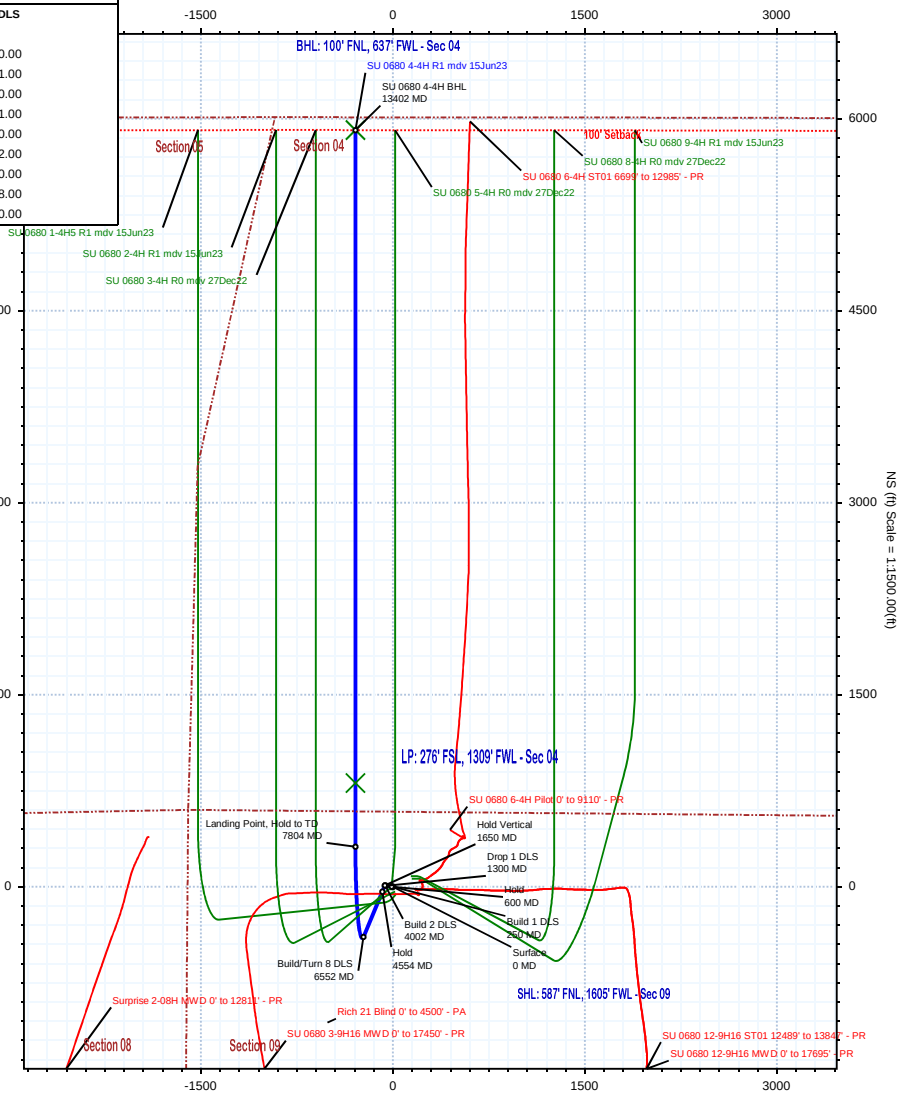
**Surface Location**

Northing: 1429899.05877766 Easting: 2753994.75696404 Latitude: N 40 30 36.38 Longitude: W 106 23 5.07 VSec Azimuth: 357.15

| Target Description | Grid Coord | | | | | | Local Coord | |
|---|---|---|---|---|---|---|---|---|
| Target Name | Latitude | Longitude | Northing | Easting | TVD | VSec | N(+)/S(-) | E(+)/W(-) |
| SU 0680 4-4H LP | N 40 30 44.40 | W 106 23 8.87 | 1430713.63 | 2753708.97 | 7350.00 | 825.29 | 811.70 | -293.91 |
| SU 0680 4-4H BHL | N 40 31 34.80 | W 106 23 8.87 | 1435813.31 | 2753759.92 | 7350.00 | 5919.12 | 5911.82 | -293.85 |
| Suprise Unit 0680 S9 Pad - Sec 16 - 100' BHL | N 40 30 35.83 | W 106 23 4.75 | 1429843.81 | 2754018.40 | 8293.00 | -56.15 | -55.01 | 24.19 |
| Suprise Unit 0680 S9 Pad - Sec 05-04 - 100' BHL | N 40 30 35.83 | W 106 23 4.75 | 1429843.81 | 2754018.40 | 8293.00 | -56.15 | -55.01 | 24.19 |
| 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 | 24.19 |
| 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 | 24.19 |

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 1 DLS | 250.00 | 0.00 | 280.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hold | 600.00 | 3.50 | 280.00 | 599.78 | 2.38 | 1.86 | -10.52 | 1.00 |
| Drop 1 DLS | 1300.00 | 3.50 | 280.00 | 1298.48 | 11.88 | 9.28 | -52.61 | 0.00 |
| Hold Vertical | 1650.00 | 0.00 | 280.00 | 1648.26 | 14.25 | 11.13 | -63.13 | 1.00 |
| Build 2 DLS | 4001.74 | 0.00 | 280.00 | 4000.00 | 14.25 | 11.13 | -63.13 | 0.00 |
| Hold | 4553.95 | 11.04 | 202.62 | 4548.79 | -33.65 | -37.84 | -83.54 | 2.00 |
| Build/Turn 8 DLS | 6551.68 | 11.04 | 202.62 | 6509.53 | -379.15 | -391.09 | -230.75 | 0.00 |
| Landing Point, Hold to TD | 7803.99 | 90.00 | 0.00 | 7350.00 | 328.02 | 313.82 | -293.85 | 8.00 |
| SU 0680 4-4H BHL | 13401.99 | 90.00 | 0.00 | 7350.00 | 5919.12 | 5911.82 | -293.85 | 0.00 |



EW (ft) Scale = 1:1500.00(ft)