# Crescent Point Energy

Schlumberger

| Borehole: | Well: | Field: | Structure: |
|---|---|---|---|
| Original Hole | Shull Fed-9-59-31-5356BE | CO, Weld County (NAD 83 NZ) | 31-09N-59W (Anderson-Shull Pad 3) |

**Gravity & Magnetic Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Model: | HDGM 2015 | Dip: | 67.138° | Date: | 13-Apr-2016 |
| MagDec: | 8.043° | FS: | 52759.526nT | Gravity FS: | 999.082mgn (9.80665 Based) |

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

| | | | | | |
|---|---|---|---|---|---|
| Lat: | N 40 42 14.67 | Northing: | 1502744.26ftUS | Grid Conv: | 0.9538° |
| Lon: | W 104 1 26.07 | Easting: | 3409244.07ftUS | Scale Fact: | 0.9999881 |

**Miscellaneous**

| | | | |
|---|---|---|---|
| Slot: | Shull Fed-9-59-31-5356BE | TVD Ref: | KB 18ft(4898ft above MSL) |
| Plan: | Shull Fed-9-59-31-5356BE R0 mdv 13Apr16 | | |

**Surface Location**

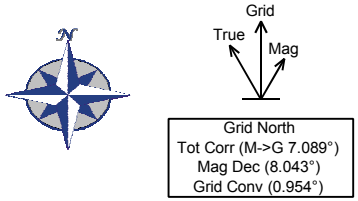
| Northing: | 1502744.263 | Easting: | 3409244.073 | Latitude: | N 40 42 14.67 | Longitude: | W 104 1 26.07 | VSec Azimuth: | 95.815 |
|---|---|---|---|---|---|---|---|---|---|

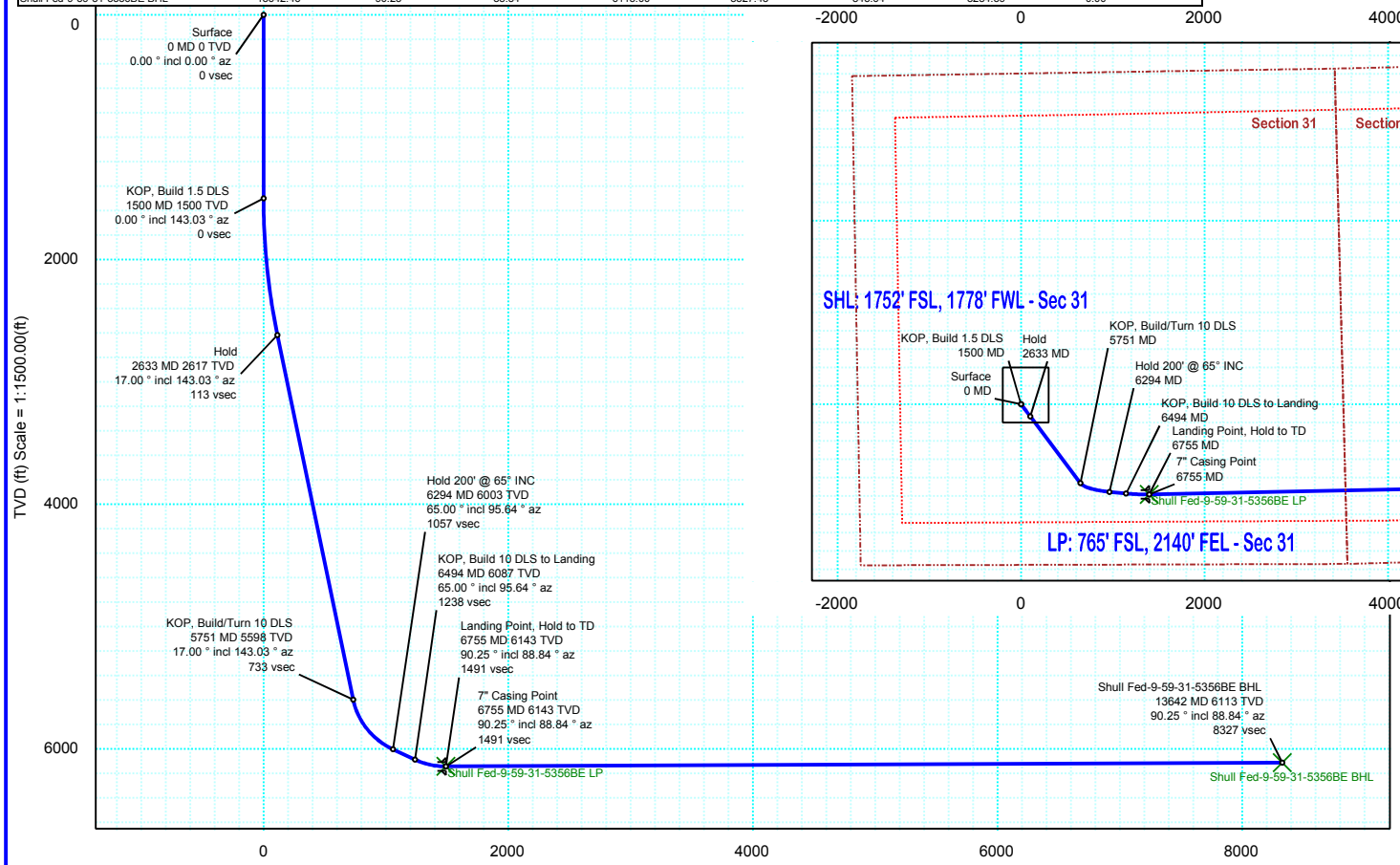
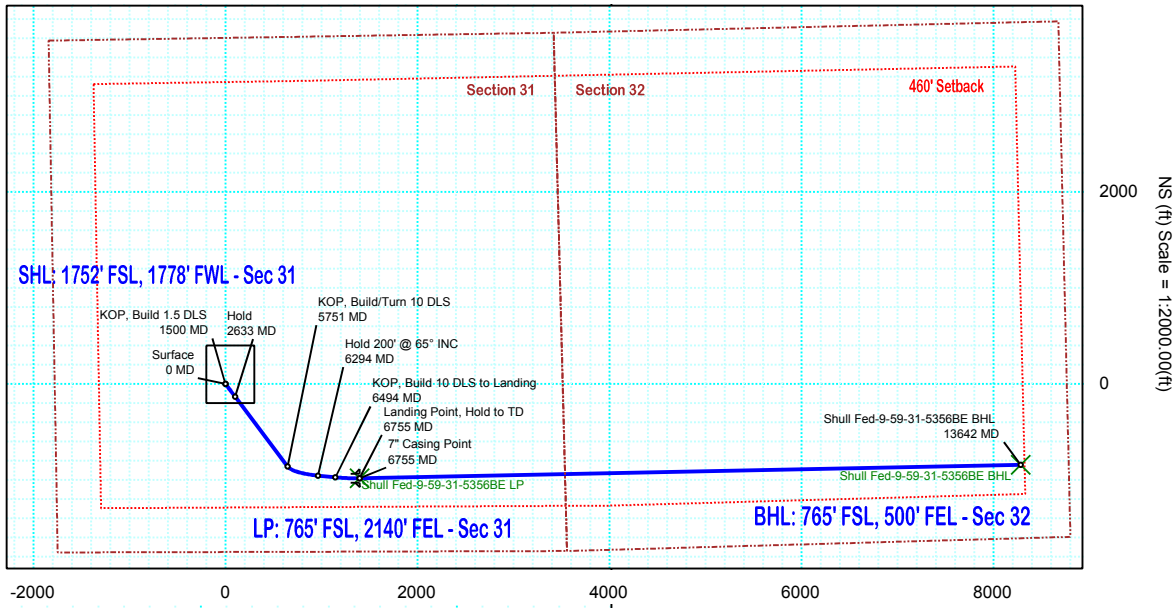
| Target Description | Grid Coord | | | | | | Local Coord | |
|---|---|---|---|---|---|---|---|---|
| Target Name | Latitude | Longitude | Northing | Easting | TVD | VSec | N(+)/S(-) | E(+)/W(-) |
| Anderson-Shull Pad Sec 31-32 - 460' Setback | N 40 42 41.43 | W 104 1 22.06 | 1505457.62 | 3409507.95 | 4898.00 | -12.39 | 2713.39 | 263.88 |
| Anderson-Shull Pad Sec 31-9N-59W | N 40 42 41.43 | W 104 1 22.06 | 1505457.62 | 3409507.95 | 4898.00 | -12.39 | 2713.39 | 263.88 |
| Anderson-Shull Pad Sec 32-9N-59W | N 40 42 41.43 | W 104 1 22.06 | 1505457.62 | 3409507.95 | 4898.00 | -12.39 | 2713.39 | 263.88 |
| Pad 3 | N 40 42 41.43 | W 104 1 22.06 | 1505457.62 | 3409507.95 | 4898.00 | -12.39 | 2713.39 | 263.88 |
| Shull Fed-9-59-31-5356BE BHL | N 40 42 4.96 | W 103 59 38.70 | 1501900.64 | 3417528.55 | 6113.00 | 8327.43 | -843.64 | 8284.59 |
| Shull Fed-9-59-31-5356BE LP | N 40 42 4.72 | W 104 1 8.13 | 1501760.96 | 3410642.20 | 6143.00 | 1490.58 | -983.32 | 1398.15 |

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 | |
| KOP, Build 1.5 DLS | 1500.00 | 0.00 | 143.03 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hold | 2633.45 | 17.00 | 143.03 | 2616.89 | 113.39 | -133.37 | 100.40 | 1.50 |
| KOP, Build/Turn 10 DLS | 5750.58 | 17.00 | 143.03 | 5597.79 | 732.51 | -861.56 | 648.57 | 0.00 |
| Hold 200' @ 65° INC | 6293.57 | 65.00 | 95.64 | 6002.94 | 1057.16 | -956.37 | 965.24 | 10.00 |
| KOP, Build 10 DLS to Landing | 6493.57 | 65.00 | 95.64 | 6087.46 | 1238.42 | -974.18 | 1145.62 | 0.00 |
| Landing Point, Hold to TD | 6754.54 | 90.25 | 88.84 | 6143.00 | 1490.57 | -983.32 | 1398.15 | 10.00 |
| 7" Casing Point | 6755.00 | 90.25 | 88.84 | 6143.00 | 1491.03 | -983.31 | 1398.61 | 0.00 |
| Shull Fed-9-59-31-5356BE BHL | 13642.46 | 90.25 | 88.84 | 6113.00 | 8327.43 | -843.64 | 8284.59 | 0.00 |

**Proposal**
**Rev 0**




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