# Crescent Point Energy

Schlumberger

| Borehole: | Well: | Field: | Structure: |
|---|---|---|---|
| Original Hole | Shull Fed-9-59-31-2124BE | CO, Weld County (NAD 83 NZ) | 31-09N-59W (Anderson-Shull Pad 1) |

**Gravity & Magnetic Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Model: | HDGM 2015 | Dip: | 67.142° | Date: | 13-Apr-2016 |
| MagDec: | 8.028° | FS: | 52770.244nT | Gravity FS: | 999.08mgn (9.80665 Based) |

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

| | | | | | |
|---|---|---|---|---|---|
| Lat: | N 40 42 39.54 | Northing: | 1505269.91ftUS | Grid Conv: | 0.955° |
| Lon: | W 104 1 19.06 | Easting: | 3409741.96ftUS | Scale Fact: | 0.99998906 |

**Miscellaneous**

| | | | |
|---|---|---|---|
| Slot: | Shull Fed-9-59-31-2124BE | TVD Ref: | KB 18ft(4923ft above MSL) |
| Plan: | Shull Fed-9-59-31-2124BE R0 mdv 13Apr16 | | |

**Surface Location**

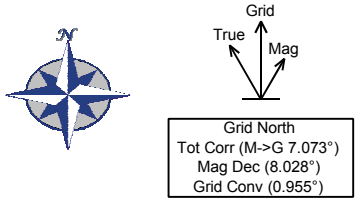
Northing: 1505269.911 Easting: 3409741.957 Latitude: N 40 42 39.54 Longitude: W 104 1 19.06 VSec Azimuth: 93.161

| Target Description | Grid Coord | | | | | | Local Coord | |
|---|---|---|---|---|---|---|---|---|
| Target Name | Latitude | Longitude | Northing | Easting | TVD | VSec | N(+)/S(-) | E(+)/W(-) |
| Pad 1 | N 40 42 41.43 | W 104 1 22.06 | 1505457.62 | 3409507.95 | 4923.00 | -244.01 | 187.71 | -234.01 |
| Anderson-Shull Pad Sec 31-32 - 460' Setback | N 40 42 41.43 | W 104 1 22.06 | 1505457.62 | 3409507.95 | 4923.00 | -244.01 | 187.71 | -234.01 |
| Anderson-Shull Pad Sec 31-9N-59W | N 40 42 41.43 | W 104 1 22.06 | 1505457.62 | 3409507.95 | 4923.00 | -244.01 | 187.71 | -234.01 |
| Anderson-Shull Pad Sec 32-9N-59W | N 40 42 41.43 | W 104 1 22.06 | 1505457.62 | 3409507.95 | 4923.00 | -244.01 | 187.71 | -234.01 |
| Shull Fed-9-59-31-2124BE BHL | N 40 42 34.05 | W 103 59 38.95 | 1504843.64 | 3417459.43 | 6138.00 | 7729.34 | -426.27 | 7717.57 |
| Shull Fed-9-59-31-2124BE LP | N 40 42 33.80 | W 104 1 8.48 | 1504702.77 | 3410566.44 | 6168.00 | 854.51 | -567.15 | 824.50 |

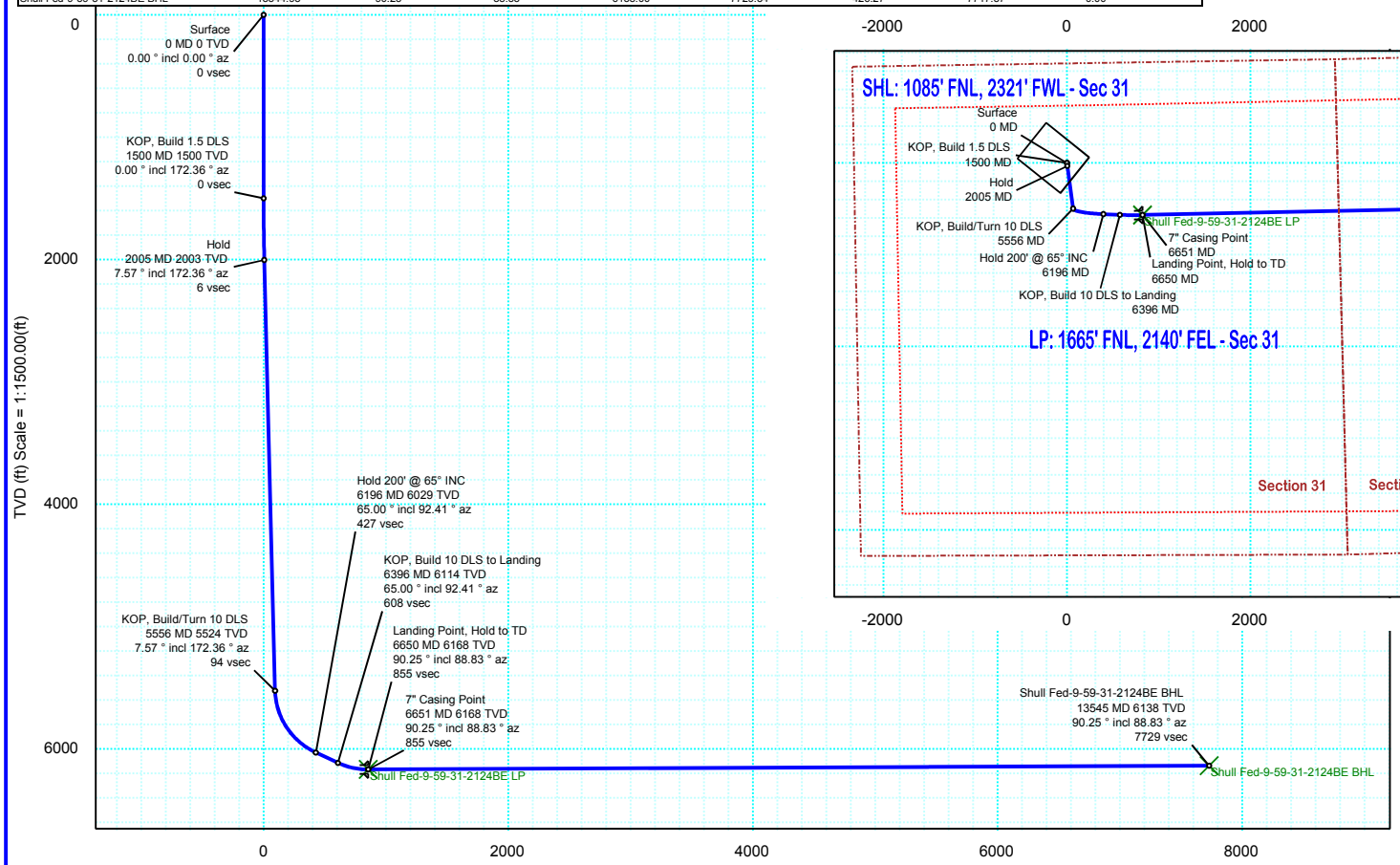
Critical Points

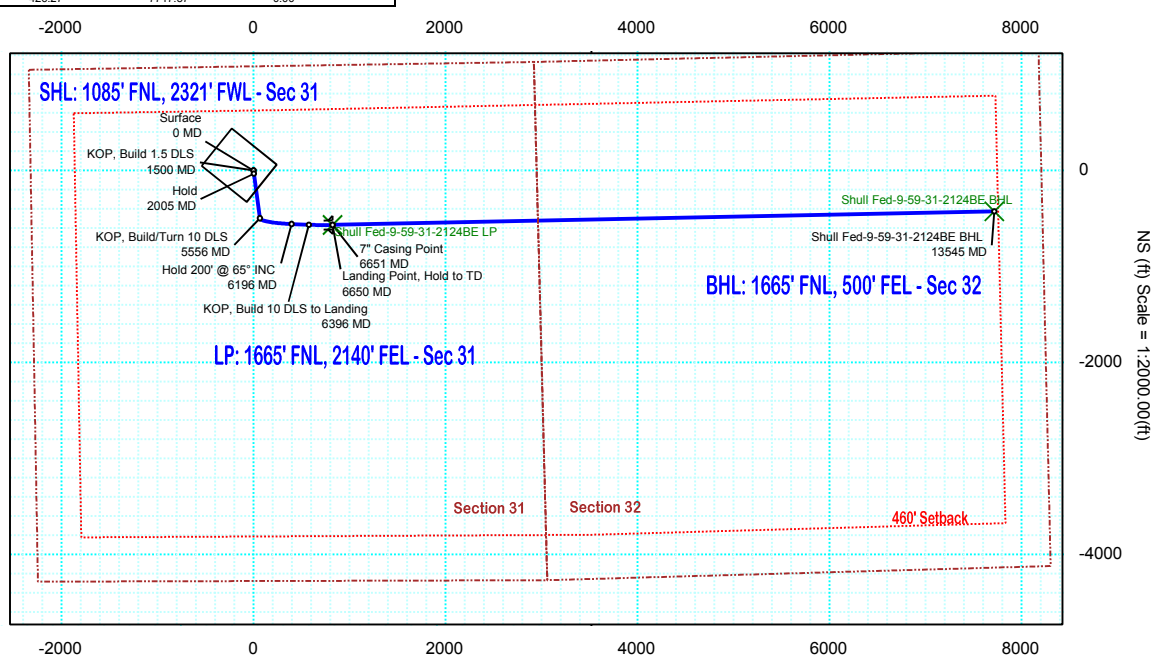
| Critical Point | MD | INCL | AZIM | TVD | VSEC | N(+)/S(-) | E(+)/W(-) | DLS |
|---|---|---|---|---|---|---|---|---|
| Surface | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| KOP, Build 1.5 DLS | 1500.00 | 0.00 | 172.36 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hold | 2004.89 | 7.57 | 172.36 | 2003.42 | 6.24 | -33.02 | 4.43 | 1.50 |
| KOP, Build/Turn 10 DLS | 5556.39 | 7.57 | 172.36 | 5523.94 | 93.94 | -496.94 | 66.64 | 0.00 |
| Hold 200' @ 65° INC | 6195.50 | 65.00 | 92.41 | 6029.28 | 426.66 | -557.24 | 396.53 | 10.00 |
| KOP, Build 10 DLS to Landing | 6395.50 | 65.00 | 92.41 | 6113.80 | 607.90 | -564.86 | 577.63 | 0.00 |
| Landing Point, Hold to TD | 6650.35 | 90.25 | 88.83 | 6168.00 | 854.52 | -567.15 | 824.50 | 10.00 |
| 7" Casing Point | 6651.00 | 90.25 | 88.83 | 6168.00 | 855.17 | -567.14 | 825.14 | 0.00 |
| Shull Fed-9-59-31-2124BE BHL | 13544.93 | 90.25 | 88.83 | 6138.00 | 7729.34 | -426.27 | 7717.57 | 0.00 |

**Proposal**
**Rev 0**




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




Vertical Section (ft) Azim = 93.161° Scale = 1:1500.00(ft) Origin = 0N/-S, 0E/-W