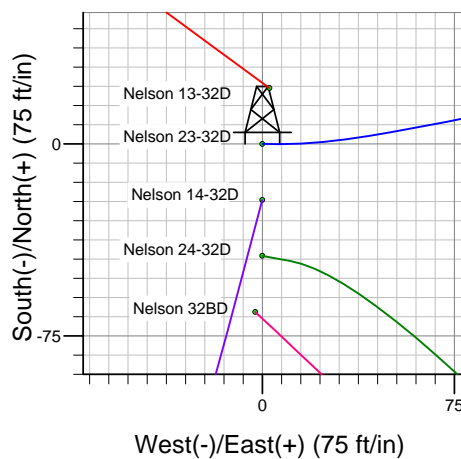
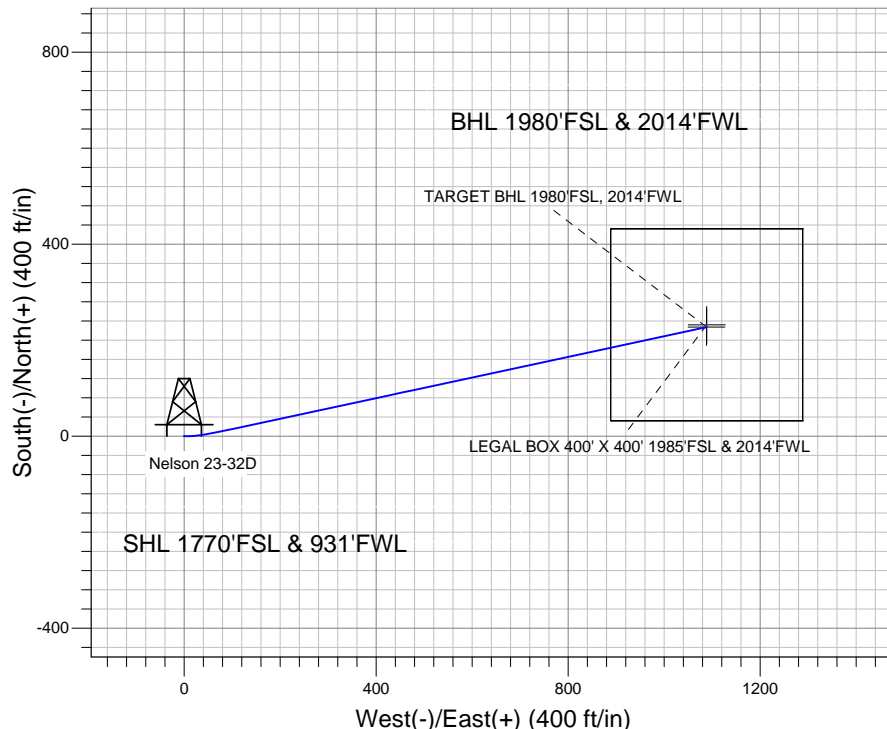
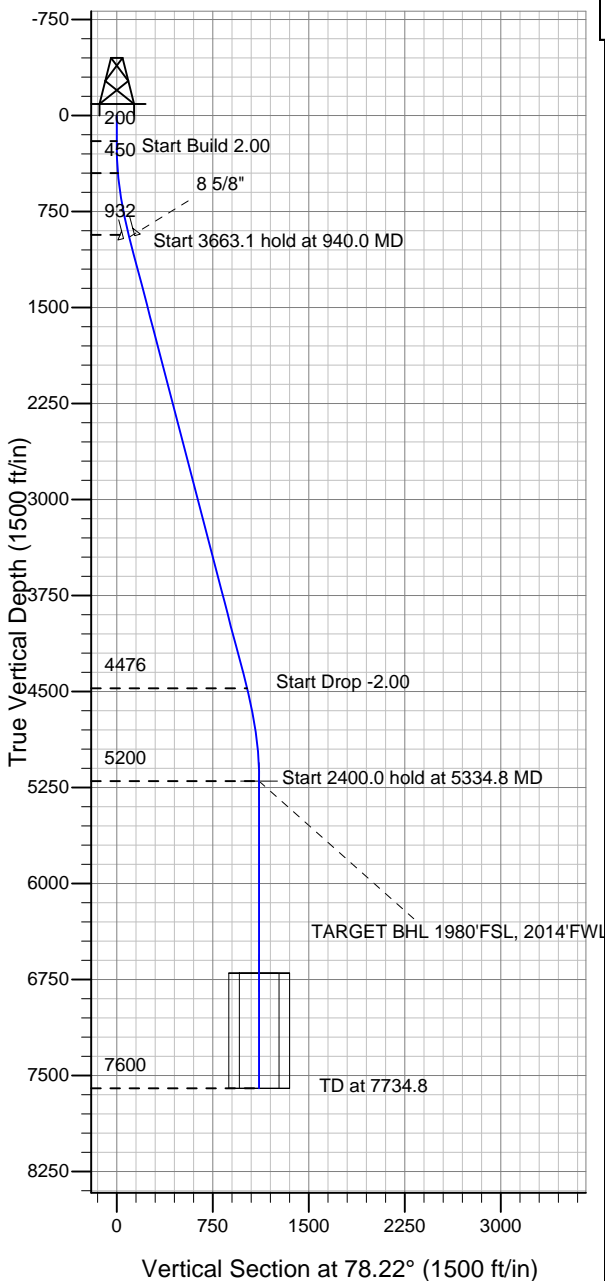


Well Name: Nelson 23-32D

Surface Location: Nelson 32BD Pad Sec.32-T7N-R66W
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone
 Ground Elevation: 4860.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1436131.25 3191914.27 40° 31' 42.708 N 104° 48' 34.596 W
 Original Well Elev WELL @ 4873.0ft (Original Well Elev)

PETROLEUM DEVELOPMENT CORP Weld County CO



Nelson 32BD Pad Sec.32-T7N-R66W
 Nelson 23-32D
 Plan #1 (1-04-11)
 7:52, January 11 2011



Azimuths to True North
 Magnetic North: 8.96°

Magnetic Field
 Strength: 53238.4snT
 Dip Angle: 67.16°
 Date: 1/11/2011
 Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|---|--------|-------|--------|------------------|-------------------|----------------------------------|
| TARGET BHL 1980'FSL, 2014'FWL | 5200.0 | 227.1 | 1088.6 | 40° 31' 44.952 N | 104° 48' 20.499 W | Point |
| LEGAL BOX 400' X 400' 1985'FSL & 2014'FWL | 6700.0 | 232.1 | 1088.6 | 40° 31' 45.001 N | 104° 48' 20.498 W | Rectangle (Sides: L400.0 W400.0) |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|--------|-------|-------|--------|-------|--------|------|--------|--------|-------------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 450.0 | 5.00 | 90.00 | 449.7 | 0.0 | 10.9 | 2.00 | 90.00 | 10.7 | |
| 4 | 940.0 | 14.63 | 77.87 | 932.0 | 13.0 | 93.0 | 2.00 | -18.18 | 93.7 | |
| 5 | 4603.1 | 14.63 | 77.87 | 4476.3 | 207.6 | 997.7 | 0.00 | 0.00 | 1019.1 | |
| 6 | 5334.8 | 0.00 | 0.00 | 5200.0 | 227.1 | 1088.6 | 2.00 | 180.00 | 1112.0 | TARGET BHL 1980'FSL, 2014'FWL |
| 7 | 7734.8 | 0.00 | 0.00 | 7600.0 | 227.1 | 1088.6 | 0.00 | 0.00 | 1112.0 | |