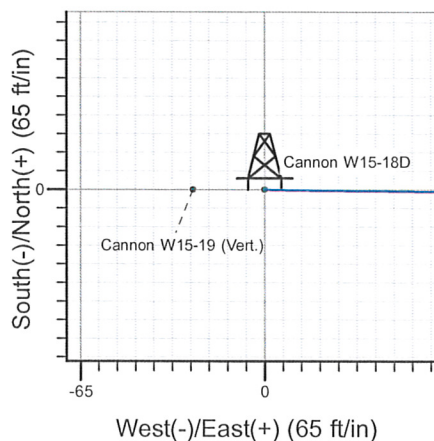
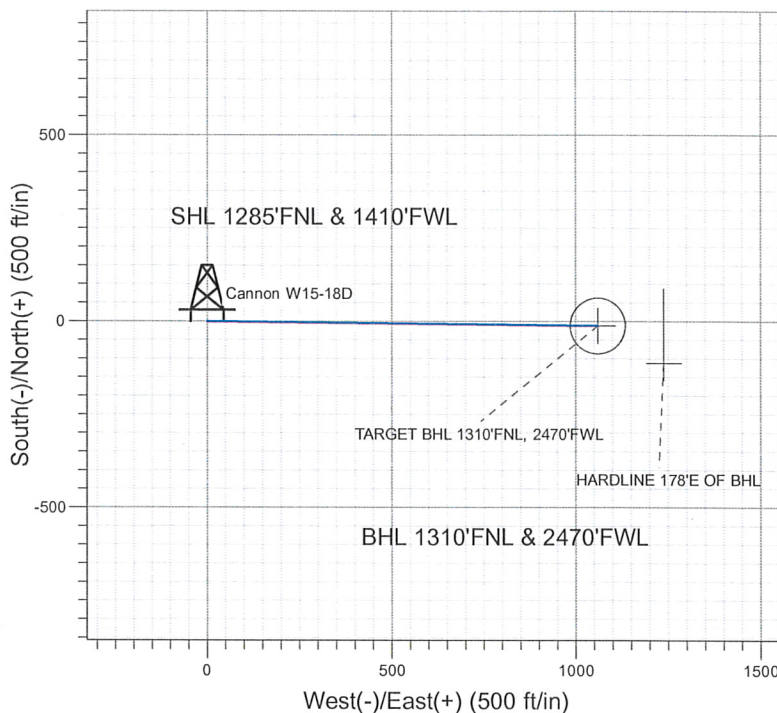
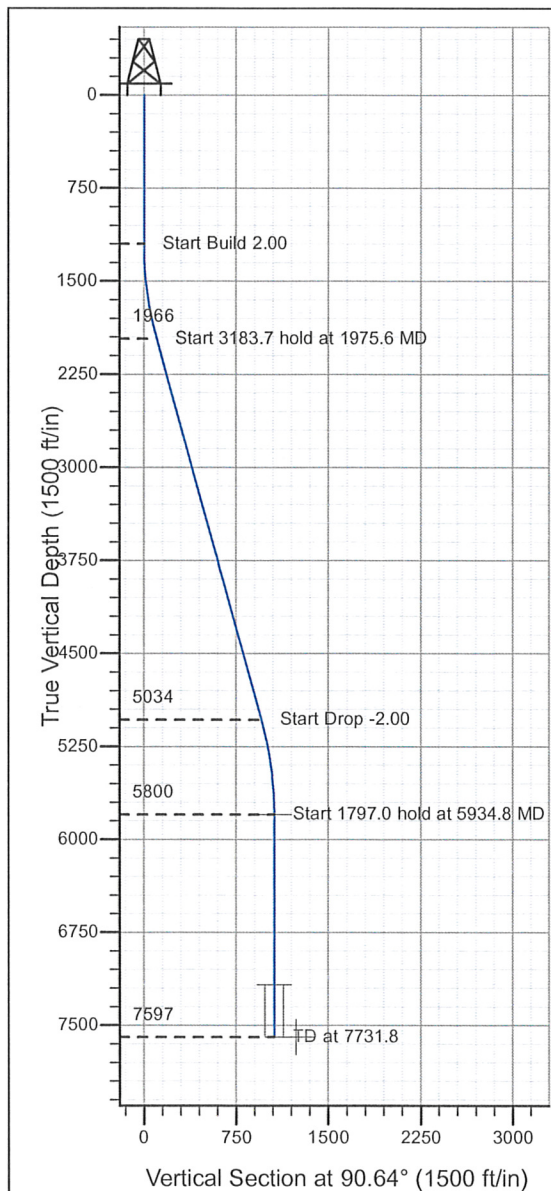


Well Name: Cannon W15-18D

Surface Location: Cannon W15-18D Pad Sec.15-T2N-R66W
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
 Ground Elevation: 4989.0
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1295368.38 3204716.21 40° 8' 30.696 N 104° 46' 3.864 W
 Original Well Elev WELL @ 5002.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Cannon W15-18D Pad Sec.15-T2N-R66W
 Cannon W15-18D
 Noble Cannon W15-18D Plan #2 (01-14-10)
 11:00, January 14 2010



Azimuths to True North
 Magnetic North: 9.05°
 Magnetic Field
 Strength: 53202.0snT
 Dip Angle: 66.91°
 Date: 8/28/2009
 Model: IGRF200510

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 1310'FNL, 2470'FWL	5800.0	-11.9	1060.0	40° 8' 30.578 N	104° 45' 50.215 W	Point
TARGET CIRCLE 1310'FNL, 2470'FWL	7172.0	-11.9	1060.0	40° 8' 30.578 N	104° 45' 50.215 W	Circle (Radius: 75.0)
HARDLINE 178°E OF BHL	7597.0	-111.9	1238.0	40° 8' 29.590 N	104° 45' 47.923 W	Polygon

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1975.6	15.51	90.64	1966.1	-1.2	104.3	2.00	90.64	104.3	
4	5159.3	15.51	90.64	5033.9	-10.7	955.7	0.00	0.00	955.7	
5	5934.8	0.00	0.00	5800.0	-11.9	1060.0	2.00	180.00	1060.1	TARGET BHL 1310'FNL, 2470'FWL
6	7731.8	0.00	0.00	7597.0	-11.9	1060.0	0.00	0.00	1060.1	