

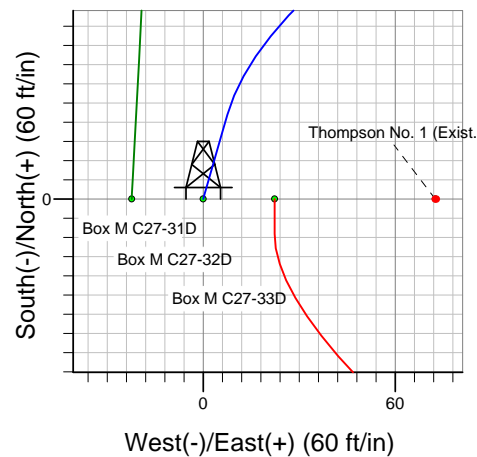
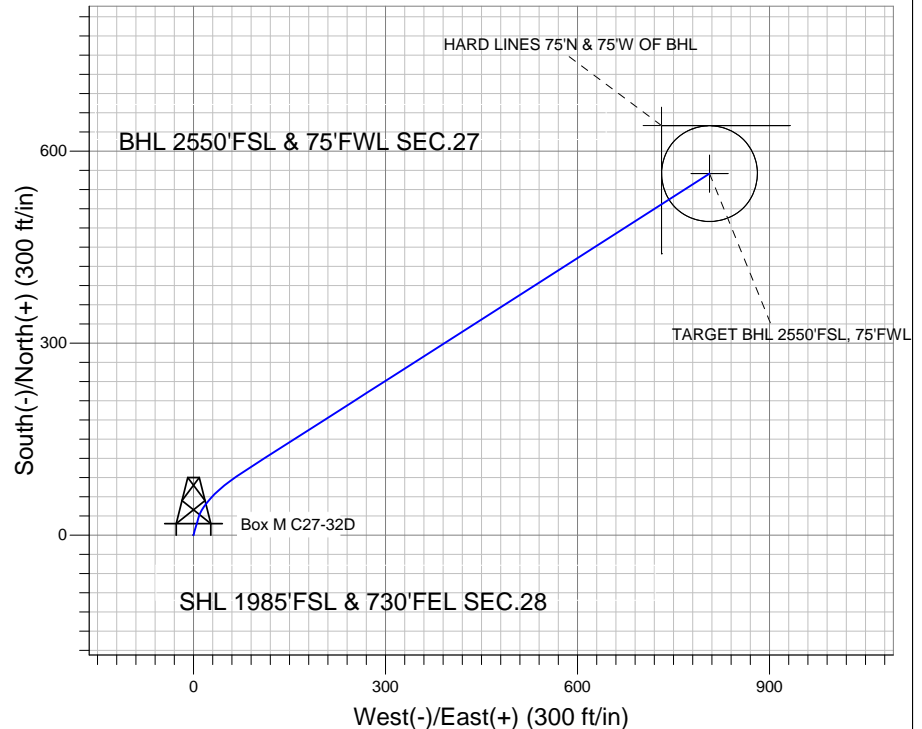
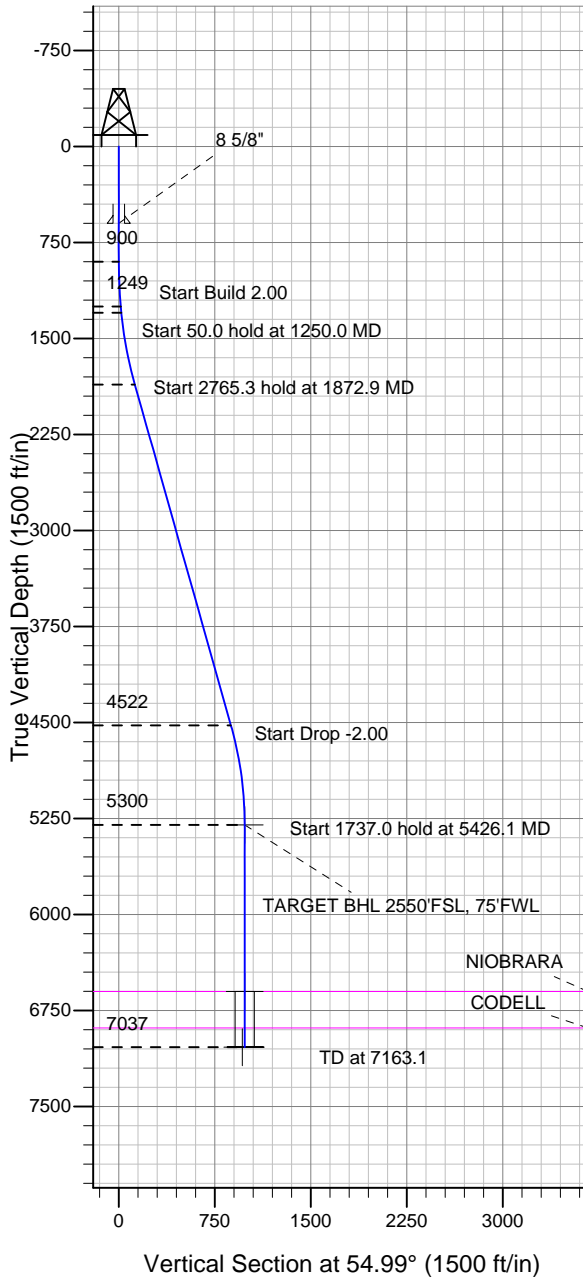
ENSIGN

Directional

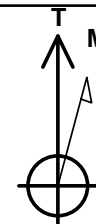
Well Name: Box M C27-32D

Surface Location: Box M C27-31D Pad Sec.28-T4N-R64W
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone
 Ground Elevation: 4724.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1346872.48 3265295.50 40.281660 -104.549090
 Original Well Elev WELL @ 4737.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Box M C27-31D Pad Sec.28-T4N-R64W
 Box M C27-32D
 Noble Box M C27-32D Plan #1 (5-25-11)
 7:40, May 26 2011



Azimuths to True North
 Magnetic North: 8.70°

Magnetic Field
 Strength: 53121.1snT
 Dip Angle: 67.00°
 Date: 5/25/2011
 Model: IGRF200510

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 2550'FSL, 75'FWL	5300.0	564.7	806.3	40.283210	-104.546200	Point
TARGET CIRCLE 2550'FSL & 75'FWL	6602.0	564.7	806.3	40.283210	-104.546200	Circle (Radius: 75.0)
HARD LINES 75'N & 75'W OF BHL	7037.0	639.7	731.3	40.283416	-104.546469	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	900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.0	
3	1250.0	7.00	16.00	1249.1	20.5	5.9	2.00	16.00	16.6	
4	1300.0	7.00	16.00	1298.8	26.4	7.6	0.00	0.00	21.3	
5	1872.9	15.76	57.40	1860.6	102.1	83.0	2.00	64.70	126.5	
6	4638.2	15.76	57.40	4522.0	506.7	715.6	0.00	0.00	876.8	
7	5426.1	0.00	0.00	5300.0	564.7	806.3	2.00	180.00	984.4	TARGET BHL 2550'FSL, 75'FWL
8	7163.1	0.00	0.00	7037.0	564.7	806.3	0.00	0.00	984.4	