

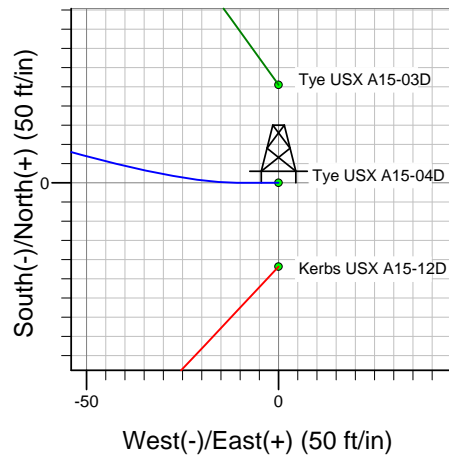
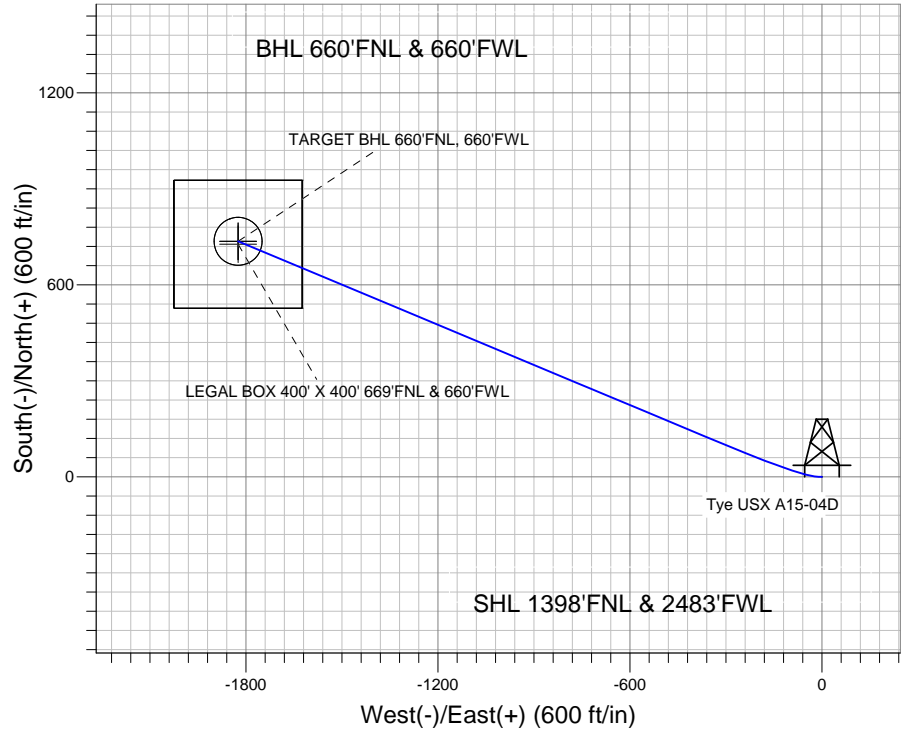
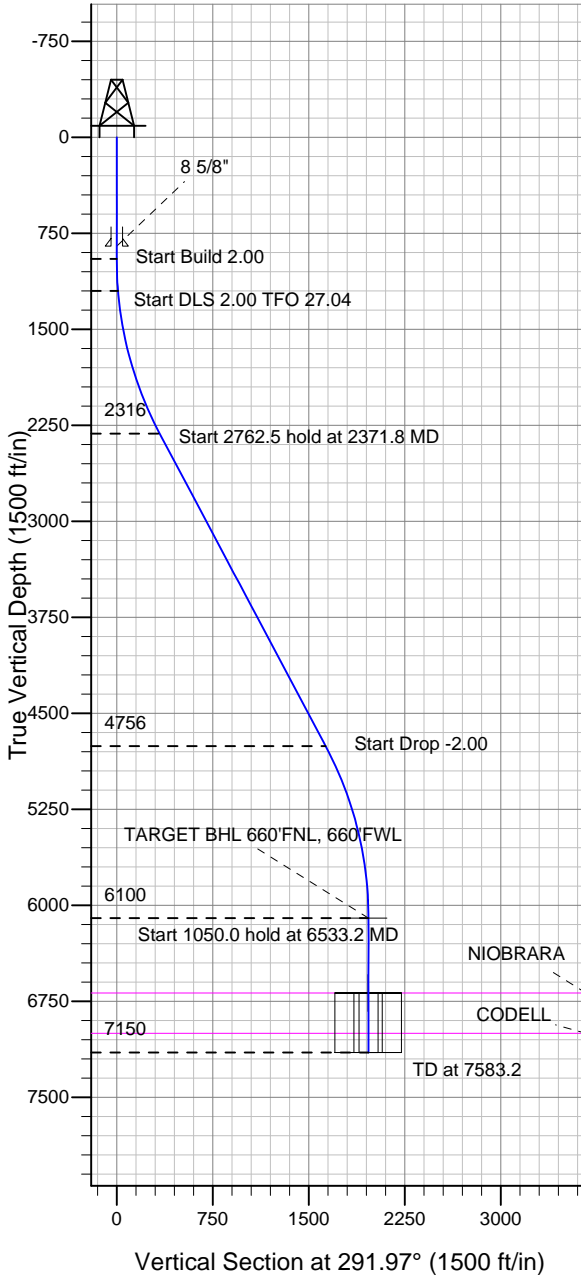
# ENSIGN

## Directional

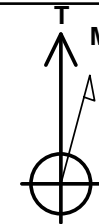
### Well Name: Tye USX A15-04D

Surface Location: Tye and Kerbs Pad Sec.15-T6N-R64W  
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone  
 Ground Elevation: 4797.0  
 +N/-S +E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1422645.70 3267893.13 40.489570 -104.536830  
 Original Well Elev WELL @ 4810.0ft (Original Well Elev)

### NOBLE ENERGY INC WELD COUNTY CO



Tye and Kerbs Pad Sec.15-T6N-R64W  
 Tye USX A15-04D  
 Noble Tye USX A15-04D Plan #1 (6-01-11)  
 11:47, June 07 2011



Azimuths to True North  
 Magnetic North: 8.75°  
 Magnetic Field  
 Strength: 53205.4snT  
 Dip Angle: 67.16°  
 Date: 6/7/2011  
 Model: IGRF2010

### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 660'FNL, 660'FWL	6100.0	736.0	-1824.6	40.491590	-104.543390	Point
LEGAL BOX 400' X 400' 669'FNL & 660'FWL	6685.0	727.0	-1824.6	40.491565	-104.543390	Rectangle (Sides: L400.0 W400.0)
TARGET CIRCLE 660'FNL & 660'FWL	6685.0	736.0	-1824.6	40.491590	-104.543390	Circle (Radius: 75.0)

### 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	950.0	0.00	0.00	950.0	0.0	0.0	0.00	0.00	0.0	
3	1200.0	5.00	270.00	1199.7	0.0	-10.9	2.00	270.00	10.1	
4	2371.8	27.98	292.67	2316.4	107.4	-319.9	2.00	27.04	336.9	
5	5134.3	27.98	292.67	4756.1	607.0	-1515.7	0.00	0.00	1632.7	
6	6533.2	0.00	0.00	6100.0	736.0	-1824.6	2.00	180.00	1967.5	TARGET BHL 660'FNL, 660'FWL
7	7583.2	0.00	0.00	7150.0	736.0	-1824.6	0.00	0.00	1967.5	