

ENSIGN

Directional

Well Name: Egge USX A03-11D

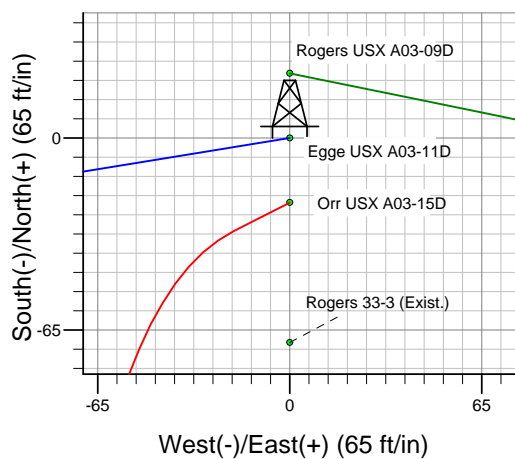
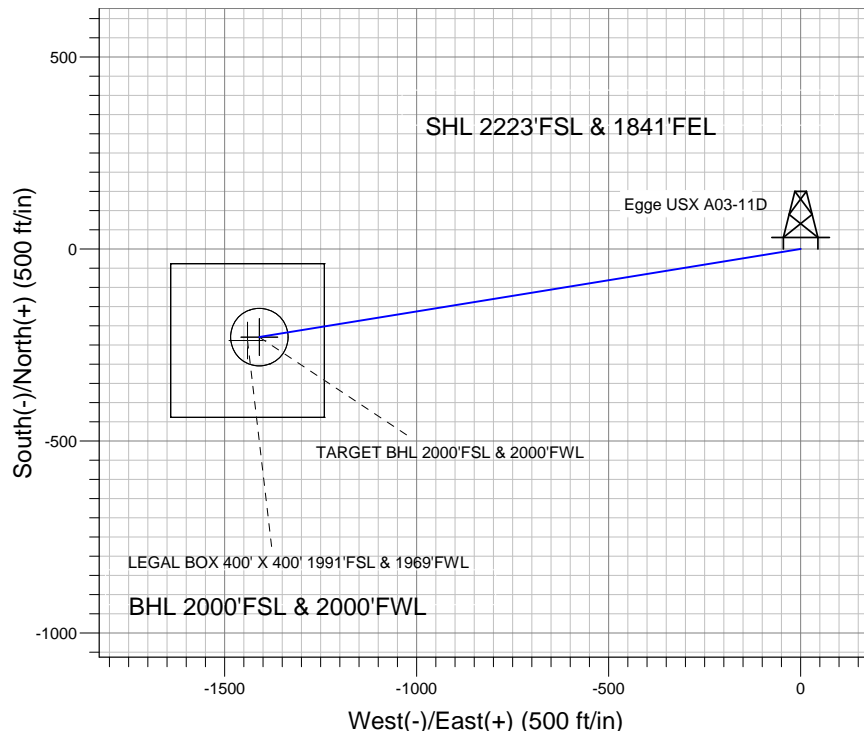
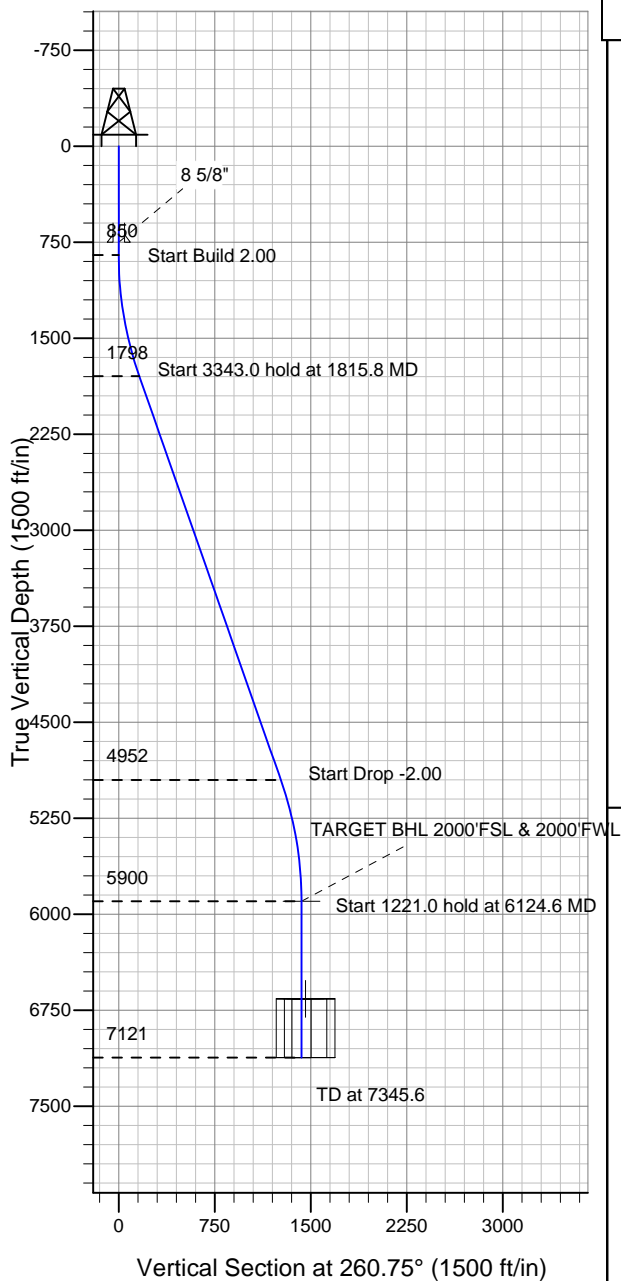
Surface Location: Rogers, Egge, and Orr Pad Sec.3-T6N-R64W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4768.0

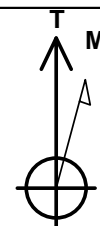
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1431584.86	3268766.45	40.514080	-104.533340	

Original Well Elev WELL @ 4781.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Rogers, Egge, and Orr Pad Sec.3-T6N-R64W
Egge USX A03-11D
Noble Egge USX A03-11D Plan #1 (6-01-1)
17:57, June 10 2011



Azimuths to True North
Magnetic North: 8.75°

Magnetic Field
Strength: 53220.5snT
Dip Angle: 67.18°
Date: 6/1/2011
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 2000'FSL & 2000'FWL	5900.0	-229.5	-1409.7	40.513450	-104.538410	Point
LEGAL BOX 400' X 400' 1991'FSL & 1969'FWL	6661.0	-238.5	-1440.7	40.513425	-104.538521	Rectangle (Sides: L400.0 W400.0)
TARGET CIRCLE 2000'FSL & 2000'FWL	6661.0	-229.5	-1409.7	40.513450	-104.538410	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	850.0	0.00	0.00	850.0	0.0	0.0	0.00	0.00	0.0	
3	1815.8	19.32	260.75	1797.6	-25.9	-159.2	2.00	260.75	161.3	
4	5158.8	19.32	260.75	4952.4	-203.6	-1250.6	0.00	0.00	1267.0	
5	6124.6	0.00	0.00	5900.0	-229.5	-1409.7	2.00	180.00	1428.3	TARGET BHL 2000'FSL & 2000'FWL
6	7345.6	0.00	0.00	7121.0	-229.5	-1409.7	0.00	0.00	1428.3	