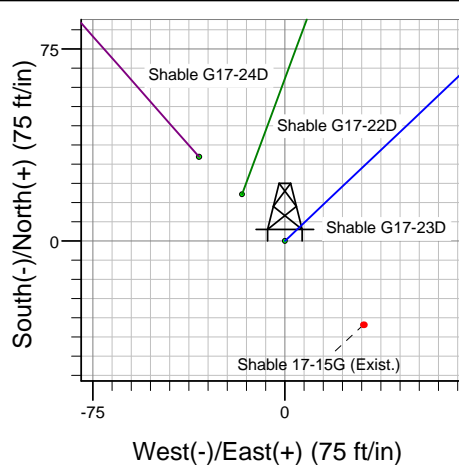
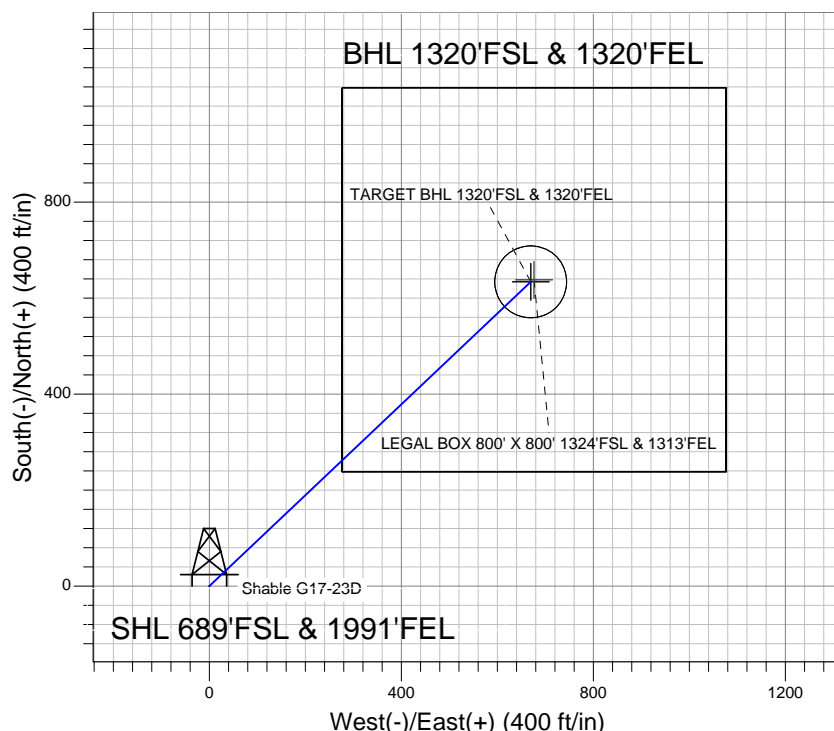
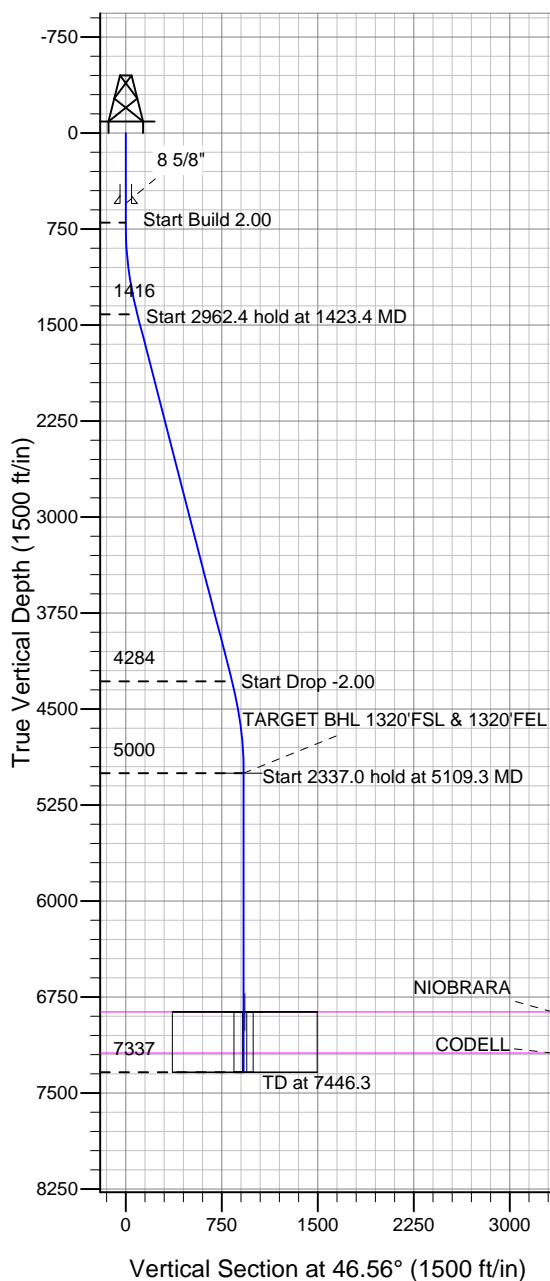


Well Name: Shable G17-23D

Surface Location: Shable G17-24D Pad Sec.17-T4N-R65W
 North American Datum 1983, US State Plane 1983 Colorado Northern Zone
 Ground Elevation: 4759.0
 +N/-S 0.0 +E/-W 0.0 Northing 1355744.76 Easting 3227394.35 Latitude 40.307050 Longitude -104.684640 Slot
 Original Well EleWELL @ 4772.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Shable G17-24D Pad Sec.17-T4N-R65W
 Shable G17-23D
 Noble Shable G17-23D Plan #1 (9-16-11)
 17:34, September 19 2011



Azimuths to True North
 Magnetic North: 8.78°
 Magnetic Field
 Strength: 53064.1snT
 Dip Angle: 66.98°
 Date: 9/19/2011
 Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 1320'FSL & 1320'FEL	5000.0	633.9	669.4	40.308790	-104.682240	Point
LEGAL BOX 800' X 800' 1324'FSL & 1313'FEL	6867.0	637.9	676.4	40.308801	-104.682215	Rectangle (Sides: L800.0 W800.0)
TARGET CIRCLE 1320'FSL & 1320'FEL	6867.0	633.9	669.4	40.308790	-104.682240	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	700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.0	
3	1423.4	14.47	46.56	1415.8	62.5	66.0	2.00	46.56	90.9	
4	4385.8	14.47	46.56	4284.2	571.4	603.4	0.00	0.00	831.0	
5	5109.3	0.00	0.00	5000.0	633.9	669.4	2.00	180.00	921.9	TARGET BHL 1320'FSL & 1320'FEL
6	7446.3	0.00	0.00	7337.0	633.9	669.4	0.00	0.00	921.9	