

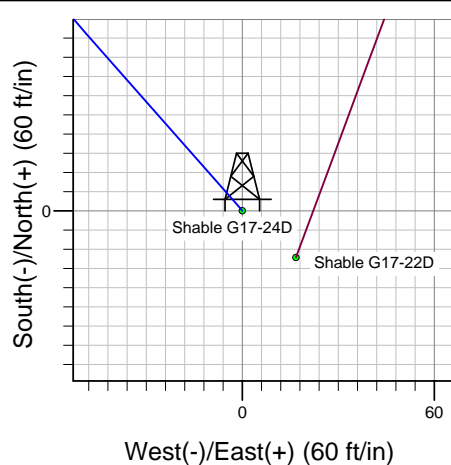
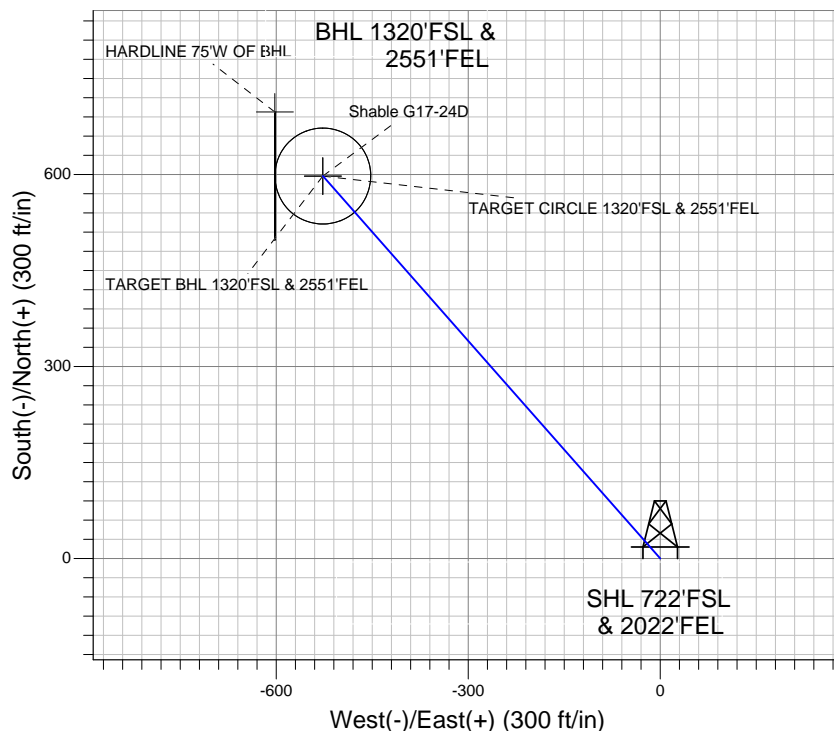
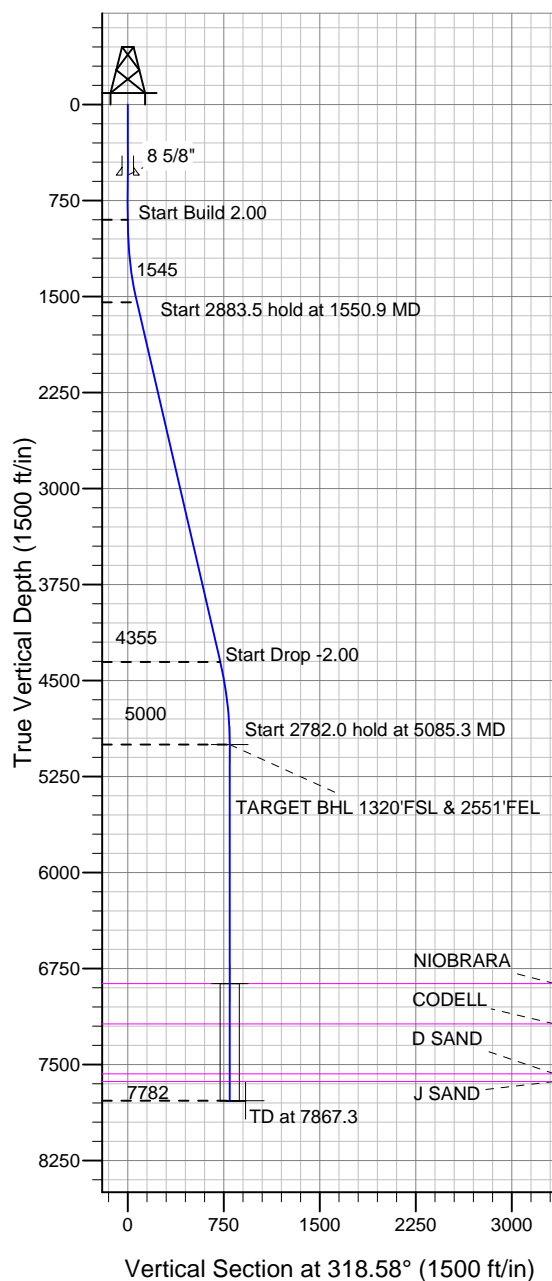
Well Name: Shable G17-24D

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	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1355777.24	3227360.58	40.307140	-104.684760	

Original Well EleWELL @ 4772.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Shable G17-24D
Noble Shable G17-24D Plan #2 (11-14-11)
16:58, November 14 2011



Azimuths to True North
Magnetic North: 8.76°
Magnetic Field
Strength: 53048.0snT
Dip Angle: 66.97°
Date: 11/14/2011
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 1320'FSL & 2551'FEL	5000.0	597.5	-527.1	40.308780	-104.686650	Point
TARGET CIRCLE 1320'FSL & 2551'FEL	6867.0	597.5	-527.1	40.308780	-104.686650	Circle (Radius: 75.0)
HARDLINE 75'W OF BHL	7782.0	697.5	-602.1	40.309055	-104.686919	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	
	31550.9	13.02	318.58	1545.3	55.2	-48.7	2.00	318.58	73.6	
	44434.4	13.02	318.58	4354.7	542.3	-478.4	0.00	0.00	723.1	
	55085.3	0.00	0.00	5000.0	597.5	-527.1	2.00	180.00	796.8	TARGET BHL 1320'FSL & 2551'FEL
	67867.3	0.00	0.00	7782.0	597.5	-527.1	0.00	0.00	796.8	