

ENSIGN

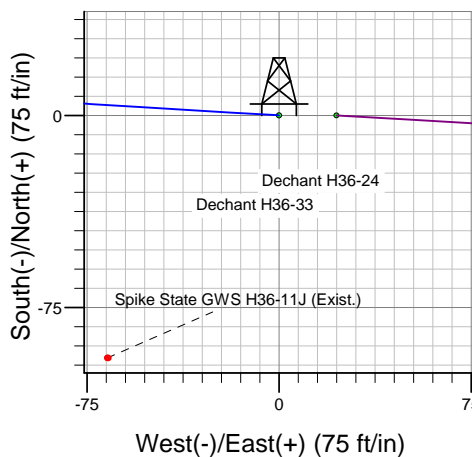
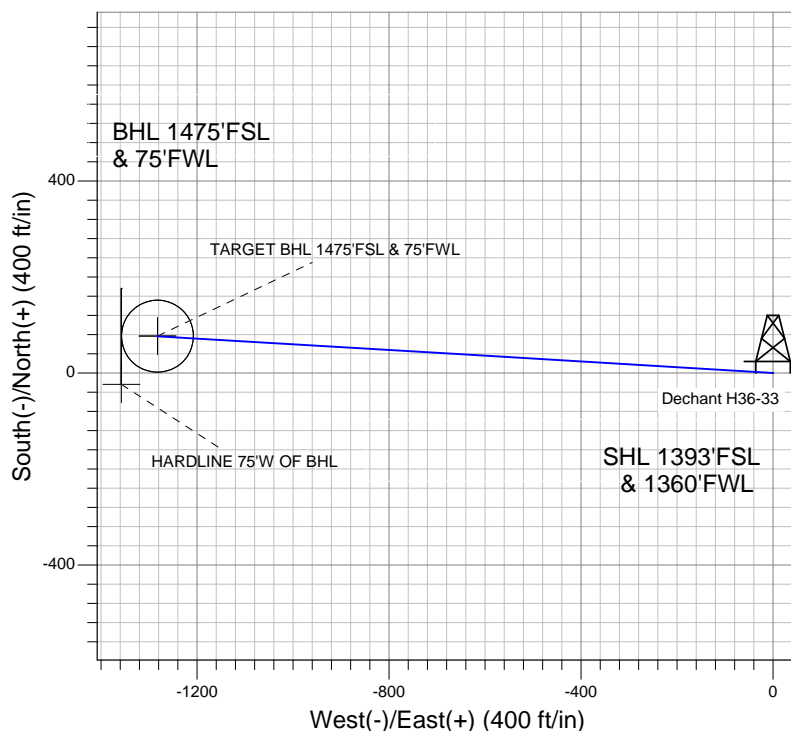
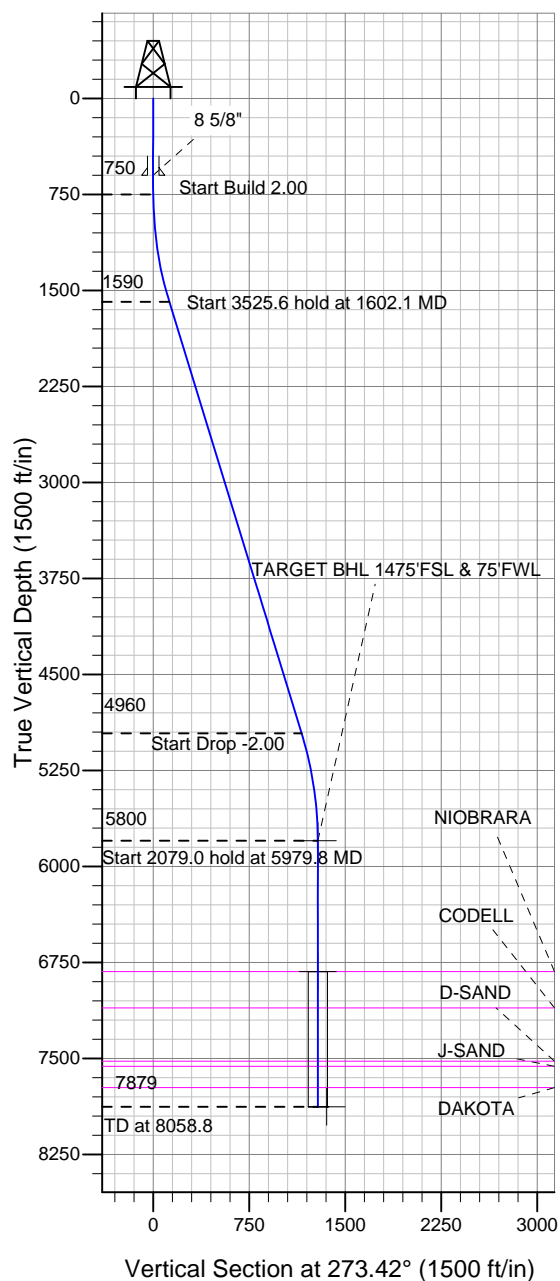
Directional

Well Name: Dechant H36-33

Surface Location: Dechant H36-33 Pad Sec.36-T3N-R65W
North American Datum 1983, US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4825.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1308964.66	3246789.66	40.178130	-104.616770	
		Original Well Elev	WELL @ 4838.0ft (Original Well Elev)			

NOBLE ENERGY INC WELD COUNTY CO



Dechant H36-33 Pad Sec.36-T3N-R65W
Dechant H36-33
Noble Dechant H36-33 Plan #1 (12-1-11)
13:50, December 02 2011



Azimuths to True North
Magnetic North: 8.70°
Magnetic Field
Strength: 52981.9snT
Dip Angle: 66.88°
Date: 12/1/2011
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 1475'FSL & 75'FWL	5800.0	76.5	-1282.6	40.178340	-104.621360	Point
TARGET CIRCLE 1475'FSL & 75'FWL	6822.0	76.5	-1282.6	40.178340	-104.621360	Circle (Radius: 75.0)
HARDLINE 75'W OF BHL	7879.0	-23.5	-1357.6	40.178065	-104.621628	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	750.0	0.00	0.00	750.0	0.0	0.0	0.00	0.00	0.0	
3	1602.1	17.04	273.42	1589.6	7.5	-125.6	2.00	273.42	125.8	
4	5127.7	17.04	273.42	4960.4	69.0	-1157.0	0.00	0.00	1159.1	
5	5979.8	0.00	0.00	5800.0	76.5	-1282.6	2.00	180.00	1284.9	TARGET BHL 1475'FSL & 75'FWL
6	8058.8	0.00	0.00	7879.0	76.5	-1282.6	0.00	0.00	1284.9	