

ENSIGN

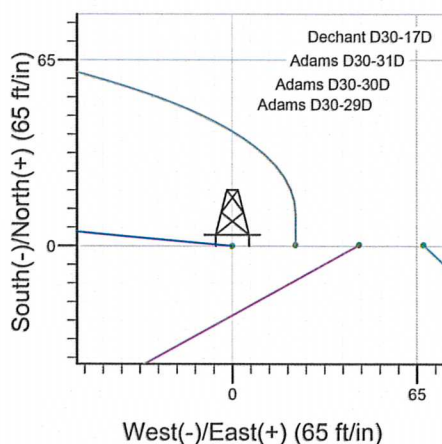
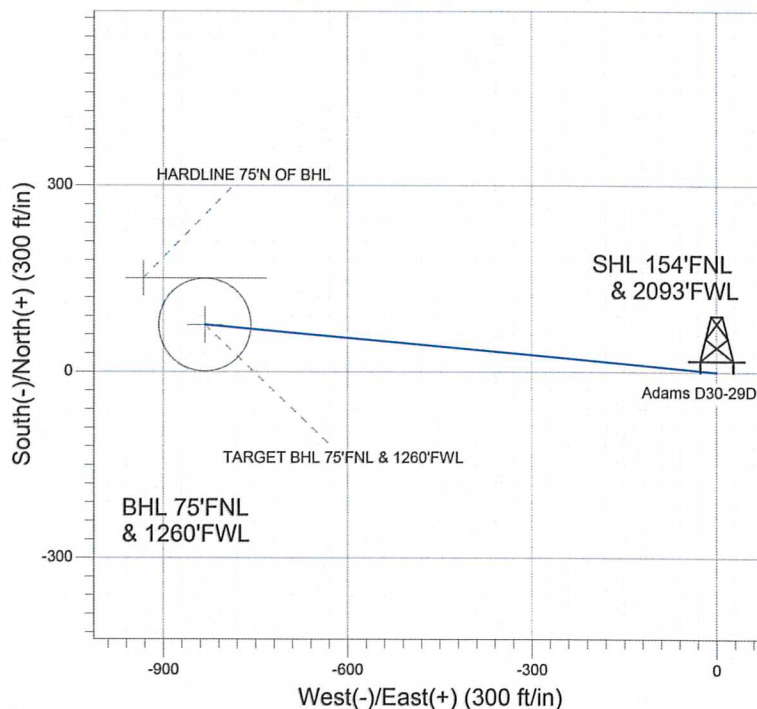
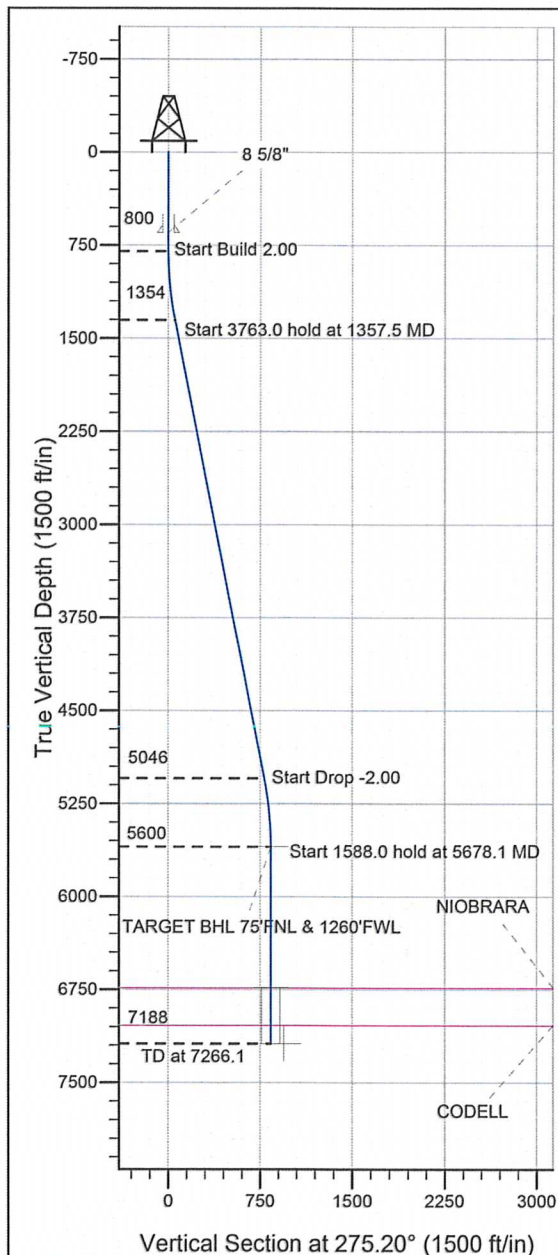
Directional

Well Name: Adams D30-29D

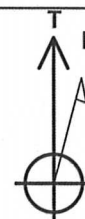
Surface Location: Dechant D30-17D Pad Sec.30-T3N-R64W
North American Datum 1983, US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4782.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1318081.61	3252710.67	40.202992	-104.595248	
		Original Well Elev	WELL @ 4795.0ft (Original Well Elev)			

NOBLE ENERGY INC WELD COUNTY CO



Dechant D30-17D Pad Sec.30-T3N-R64W
Adams D30-29D
Noble Adams D30-29D Plan #1 (3-7-12)
7:38, March 15 2012



Azimuths to True North
Magnetic North: 8.66°
Magnetic Field
Strength: 52968.0snT
Dip Angle: 66.89°
Date: 3/13/2012
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 75'FNL & 1260'FWL	5600.0	75.8	-832.4	40.203200	-104.598228	Point
TARGET CIRCLE 75'FNL & 1260'FWL	6735.0	75.8	-832.4	40.203200	-104.598228	Circle (Radius: 75.0)
HARDLINE 75'N OF BHL	7188.0	150.8	-932.4	40.203406	-104.598586	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	800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0	
3	1357.5	11.15	275.20	1354.0	4.9	-53.9	2.00	275.20	54.1	
4	5120.5	11.15	275.20	5046.0	70.9	-778.6	0.00	0.00	781.8	
5	5678.1	0.00	0.00	5600.0	75.8	-832.4	2.00	180.00	835.9	TARGET BHL 75'FNL & 1260'FWL
6	7266.1	0.00	0.00	7188.0	75.8	-832.4	0.00	0.00	835.9	