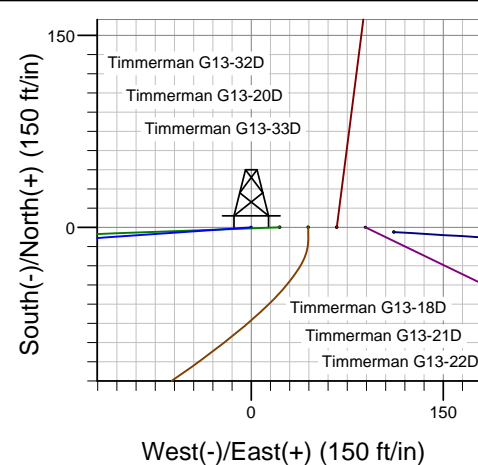
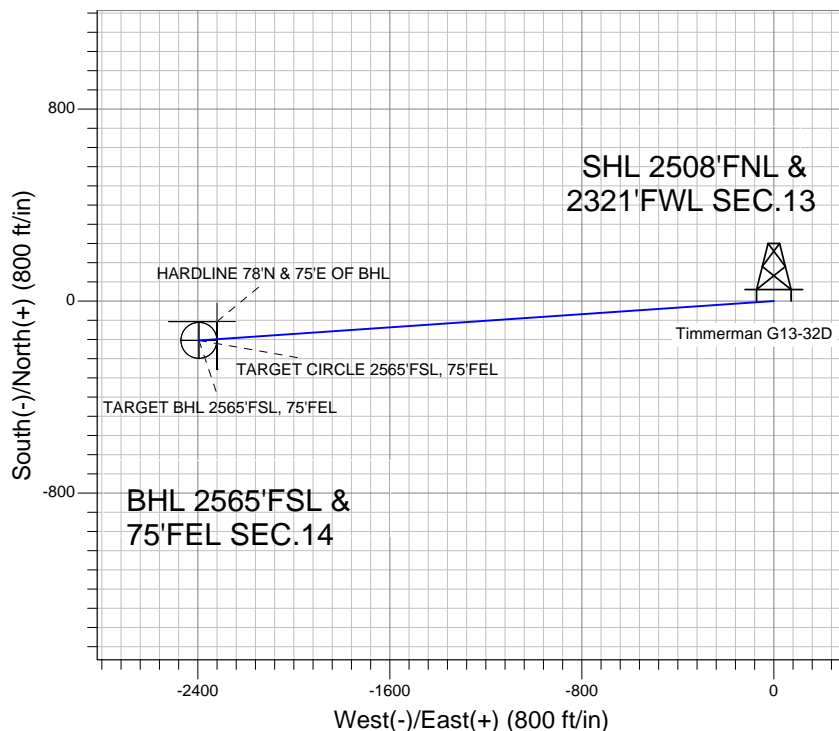
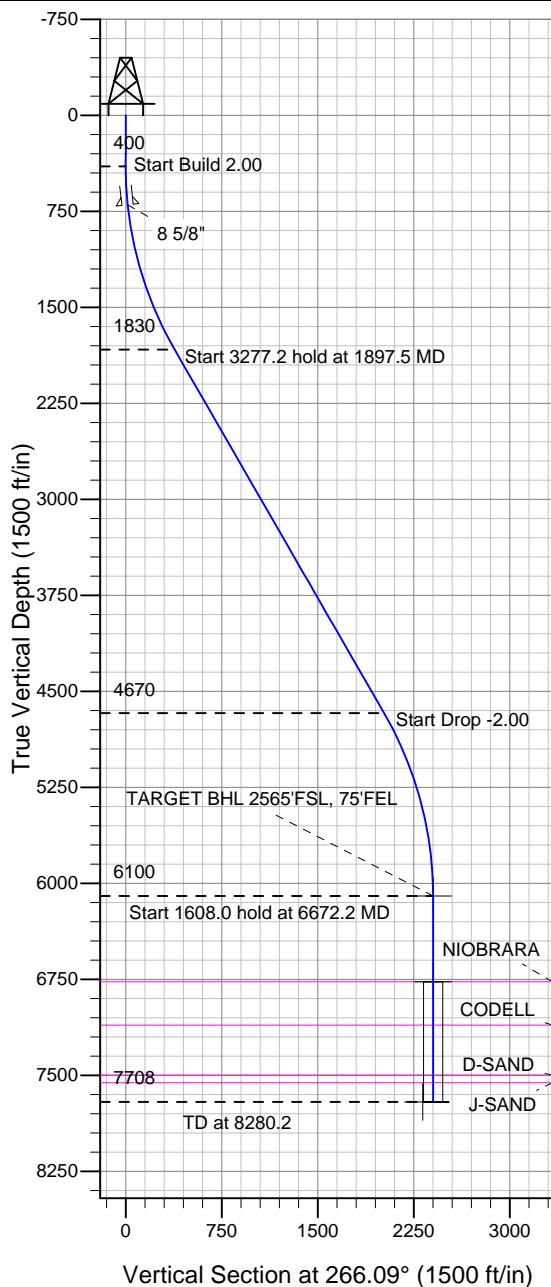


Well Name: Timmerman G13-32D

Surface Location: Timmerman G13-20D Pad Sec.13-T4N-R65W
North American Datum 1983, US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4775.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1357999.68	3247489.28	40.312710	-104.612510	
Original Well EleWELL @ 4788.0ft (Original Well Elev)						

NOBLE ENERGY INC WELD COUNTY CO



Timmerman G13-20D Pad Sec.13-T4N-R65W
Timmerman G13-32D
Noble Timmerman G13-32D Plan #1 (10-25-11)
10:31, October 26 2011



Azimuths to True North
Magnetic North: 8.69°
Magnetic Field
Strength: 53090.4snT
Dip Angle: 67.00°
Date: 10/13/2011
Model: IGRF200510

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 2565'FSL, 75'FEL	6100.0	-163.8	-2395.6	40.312260	-104.621100	Point
TARGET CIRCLE 2565'FSL, 75'FEL	6768.0	-163.8	-2395.6	40.312260	-104.621100	Circle (Radius: 75.0)
HARDLINE 78°N & 75°E OF BHL	7708.0	-85.8	-2320.6	40.312474	-104.620831	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	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	1897.5	29.95	266.09	1830.2	-26.1	-381.7	2.00	266.09	382.6	
4	5174.7	29.95	266.09	4669.8	-137.7	-2013.9	0.00	0.00	2018.6	
5	6672.2	0.00	0.00	6100.0	-163.8	-2395.6	2.00	180.00	2401.2	TARGET BHL 2565'FSL, 75'FEL
6	8280.2	0.00	0.00	7708.0	-163.8	-2395.6	0.00	0.00	2401.2	