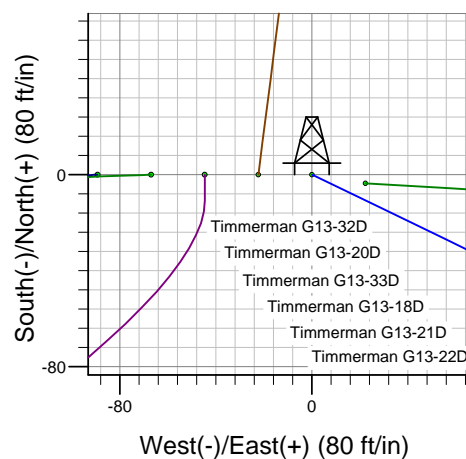
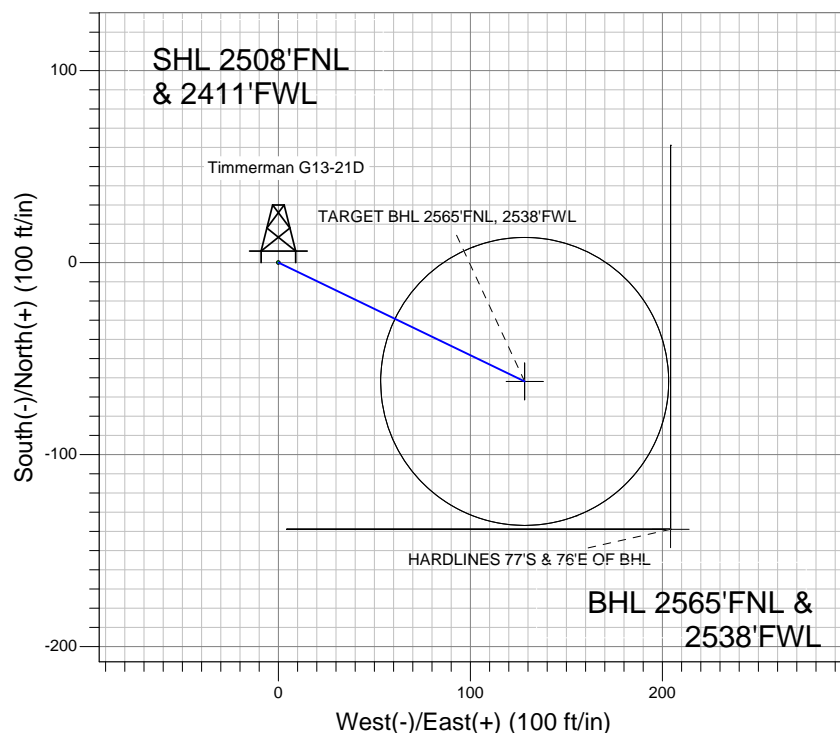
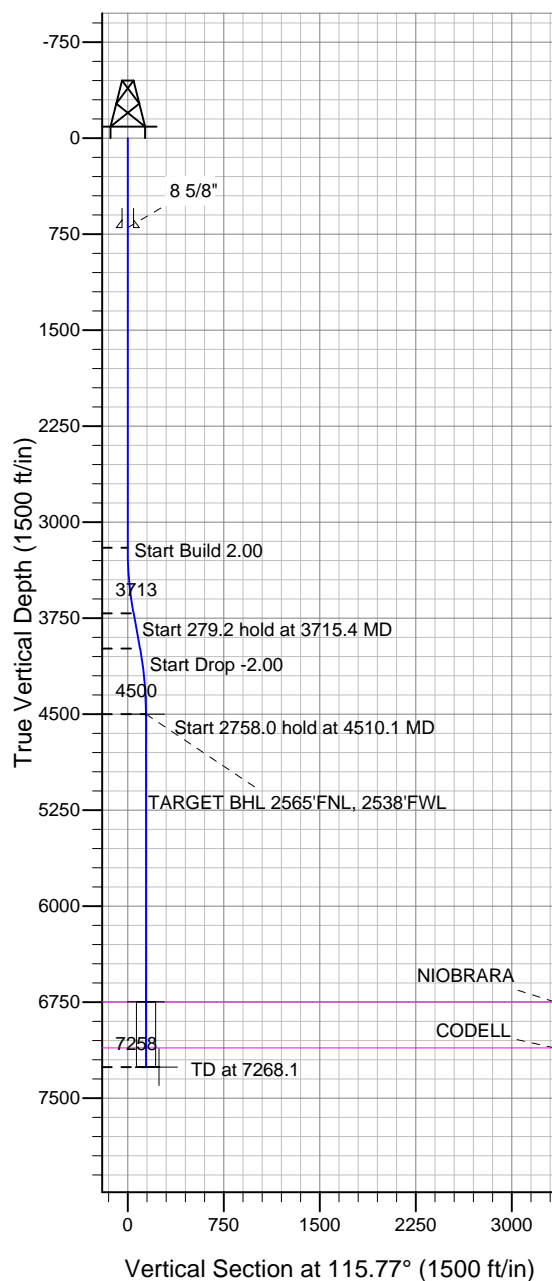


Well Name: Timmerman G13-21D

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 1358000.58 3247578.52 40.312710 -104.612190
 Original Well EleWELL @ 4788.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Timmerman G13-20D Pad Sec.13-T4N-R65W
 Timmerman G13-21D
 Noble Timmerman G13-21D Plan #1 (10-13-11)
 12:14, 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'FNL, 2538'FWL	4500.0	-61.9	128.3	40.312540	-104.611730	Point
TARGET CIRCLE 2565'FNL, 2538'FWL	6748.0	-61.9	128.3	40.312540	-104.611730	Circle (Radius: 75.0)
HARDLINES 77'S & 76'E OF BHL	7258.0	-138.9	204.3	40.312329	-104.611457	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	3200.0	0.00	0.00	3200.0	0.0	0.0	0.00	0.00	0.0	
3	3715.4	10.31	115.77	3712.7	-20.1	41.6	2.00	115.77	46.2	
4	3994.6	10.31	115.77	3987.3	-41.8	86.6	0.00	0.00	96.2	
5	4510.1	0.00	0.00	4500.0	-61.9	128.3	2.00	180.00	142.4	TARGET BHL 2565'FNL, 2538'FWL
6	7268.1	0.00	0.00	7258.0	-61.9	128.3	0.00	0.00	142.4	