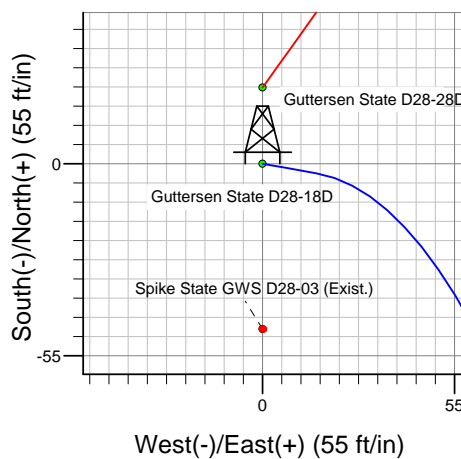
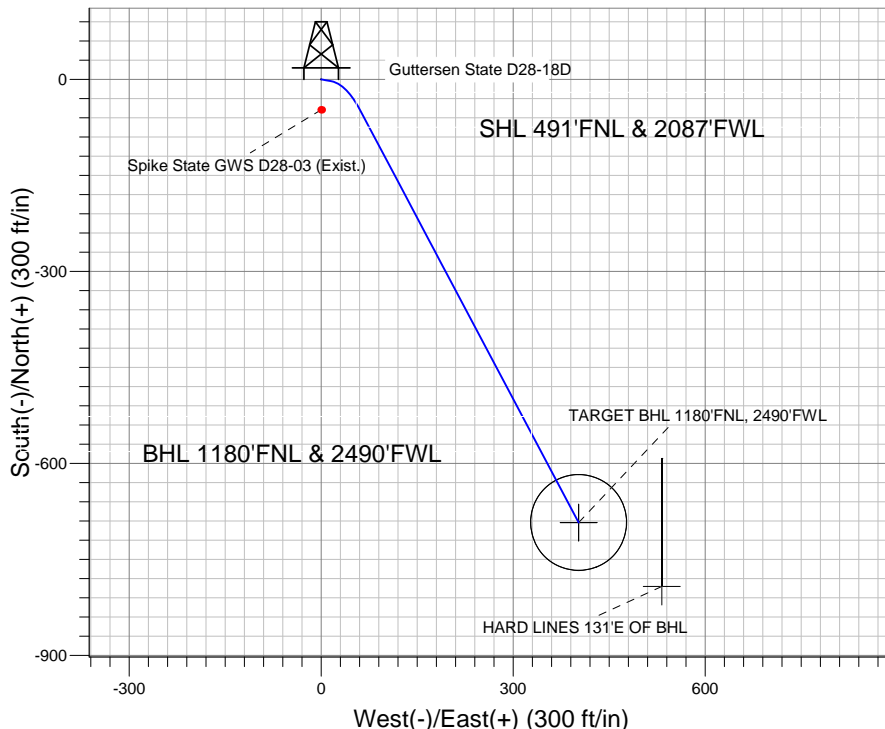
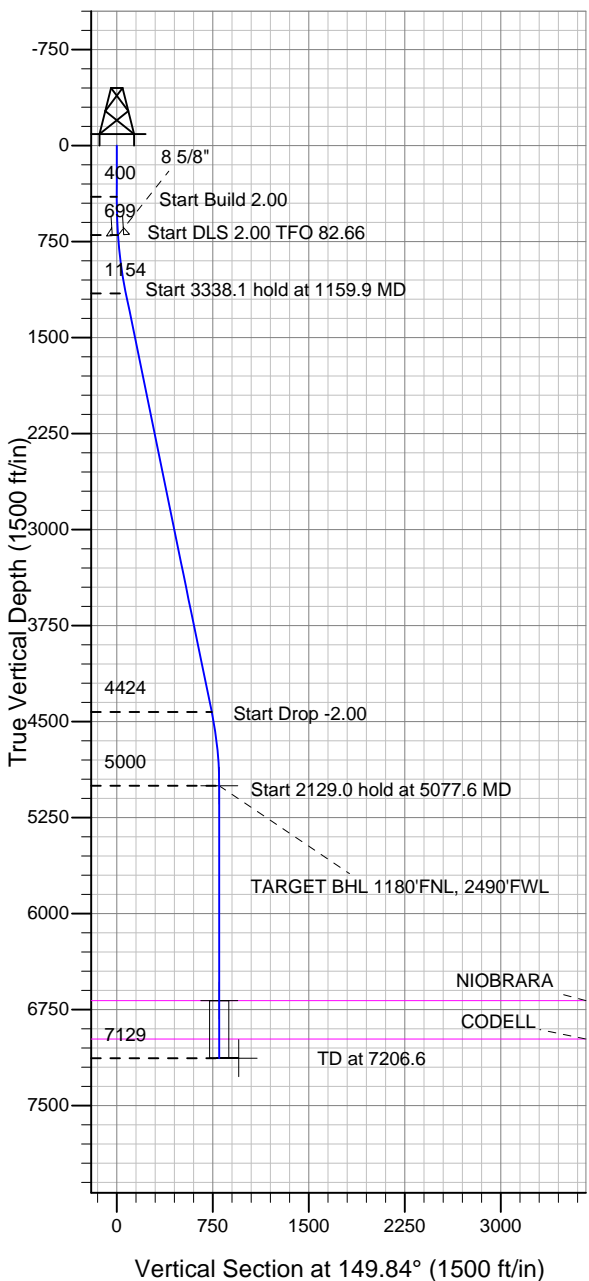


Well Name: Gutteresen State D28-18D

Surface Location: Gutteresen State D28-28D Pad Sec.28-T3N-R64W
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone
 Ground Elevation: 4791.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1317955.34 3263046.86 40.202350 -104.558250
 Original Well Elev WELL @ 4804.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Gutteresen State D28-28D Pad Sec.28-T3N-R64W
 Gutteresen State D28-18D
 Noble Gutteresen State D28-18D Plan #1 (10-11-11)
 13:23, October 11 2011



Azimuths to True North
 Magnetic North: 8.69°

Magnetic Field
 Strength: 53016.0nT
 Dip Angle: 66.91°
 Date: 10/11/2011
 Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 1180'FNL, 2490'FWL	5000.0	-692.2	402.3	40.200450	-104.556810	Point
TARGET CIRCLE 1180'FNL, 2490'FWL	6679.0	-692.2	402.3	40.200450	-104.556810	Circle (Radius: 75.0)
HARD LINES 131'E OF BHL	7129.0	-792.2	532.3	40.200175	-104.556344	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	700.0	6.00	100.00	699.5	-2.7	15.5	2.00	100.00	10.1	
4	1159.9	11.59	152.08	1154.3	-47.8	60.9	2.00	82.66	71.9	
5	4498.0	11.59	152.08	4424.3	-640.5	374.9	0.00	0.00	742.2	
6	5077.6	0.00	0.00	5000.0	-692.2	402.3	2.00	180.00	800.6	TARGET BHL 1180'FNL, 2490'FWL
7	7206.6	0.00	0.00	7129.0	-692.2	402.3	0.00	0.00	800.6	