

Well Name: Gutteresen 12XD

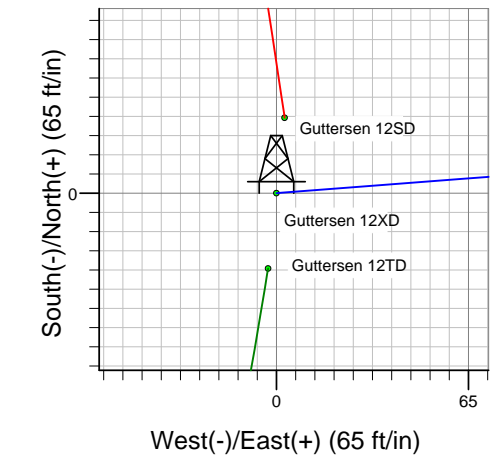
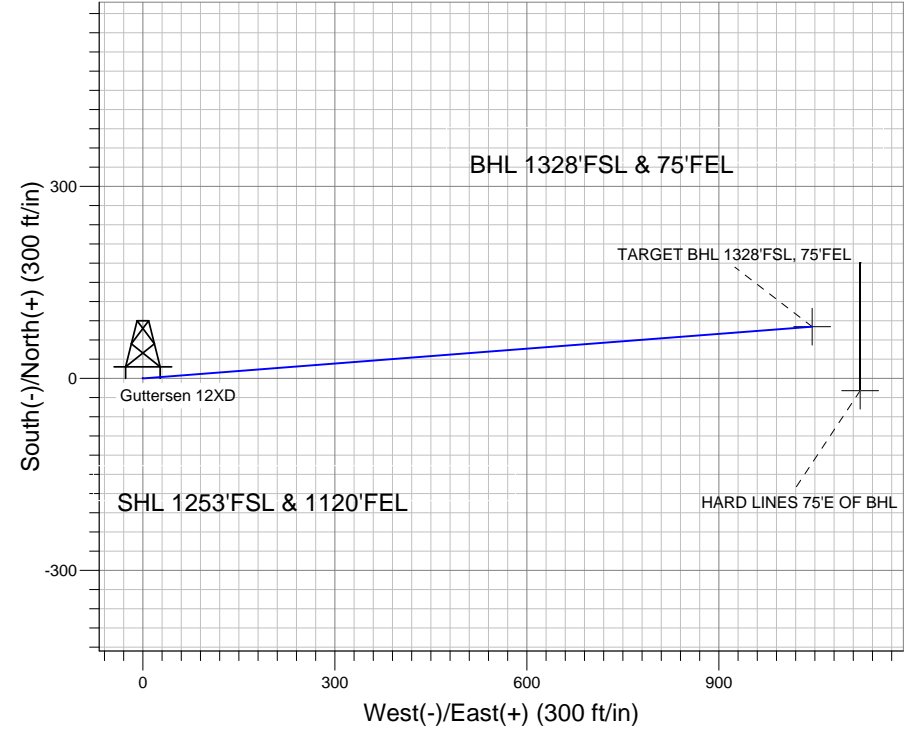
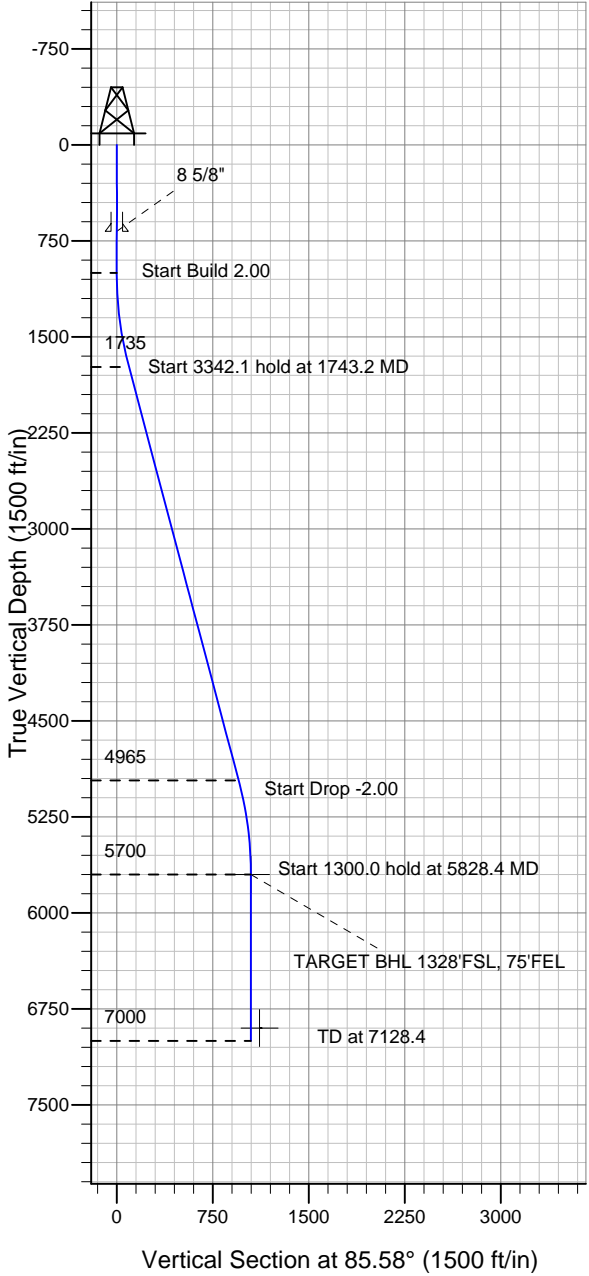
Surface Location: Gutteresen 12XD Pad Sec.12-T3N-R64W
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone

Ground Elevation: 4750.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1330405.60	3280802.97	40.235990	-104.494180	

Original Well Elev WELL @ 4763.0ft (Original Well Elev)

PETROLEUM DEVELOPMENT CORP Weld County CO



Gutteresen 12XD Pad Sec.12-T3N-R64W
 Gutteresen 12XD
 Plan #1 (2-17-11)
 14:34, February 22 2011

Azimuths to True North
 Magnetic North: 8.75°

Magnetic Field
 Strength: 53109.2snT
 Dip Angle: 66.97°
 Date: 2/17/2011
 Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 1328'FSL, 75'FEL	5700.0	80.8	1045.9	40.236212	-104.490434	Point
HARD LINES 75'E OF BHL	6900.0	-19.2	1120.9	40.235937	-104.490165	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	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1743.2	14.86	85.58	1734.9	7.4	95.6	2.00	85.58	95.9	
4	5085.3	14.86	85.58	4965.1	73.5	950.3	0.00	0.00	953.1	
5	5828.4	0.00	0.00	5700.0	80.8	1045.9	2.00	180.00	1049.0	TARGET BHL 1328'FSL, 75'FEL
6	7128.4	0.00	0.00	7000.0	80.8	1045.9	0.00	0.00	1049.0	