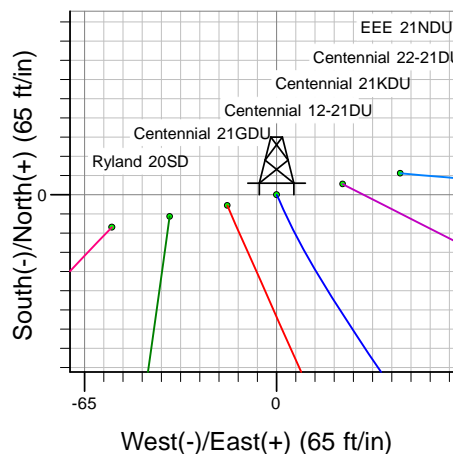
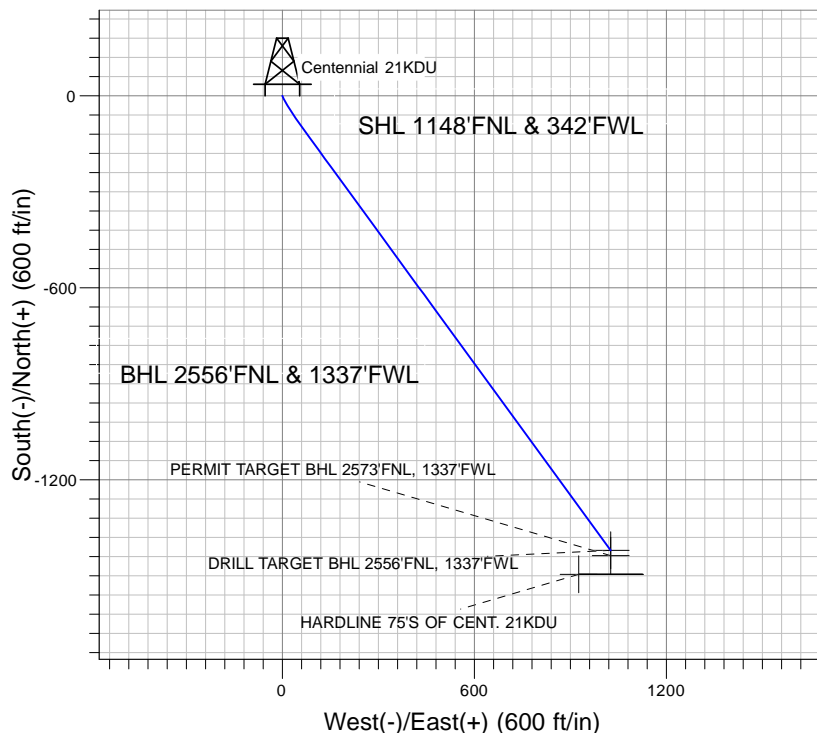
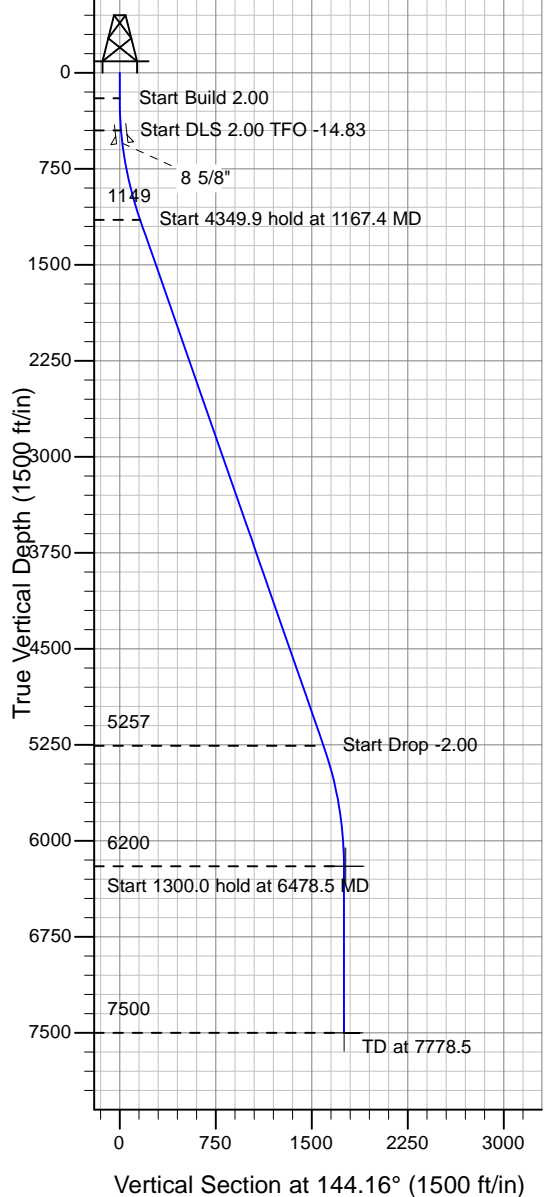


Well Name: Centennial 21KDU

Surface Location: EEE/Ryland 20SD Pad Sec.21-T4N-R67W
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
 Ground Elevation: 4922.0

+N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1353596.00 3166112.53 40° 18' 8.964 N 104° 54' 15.912 W
 Original Well Elev WELL @ 4935.0ft (Original Well Elev)

PETROLEUM DEVELOPMENT CORP Weld County CO



EEE/Ryland 20SD Pad Sec.21-T4N-R67W
 Centennial 21KDU
 Plan #1 (3-8-10)
 12:47, March 12 2010



Azimuths to True North
 Magnetic North: 9.09°
 Magnetic Field
 Strength: 53237.1nT
 Dip Angle: 67.01°
 Date: 12/31/2009
 Model: IGRF200510

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
DRILL TARGET BHL 2556'FNL, 1337'FWL	6200.0	-1420.4	1026.0	40° 17' 54.928 N	104° 54' 2.670 W	Point
PERMIT TARGET BHL 2573'FNL, 1337'FWL	6200.0	-1437.4	1026.0	40° 17' 54.760 N	104° 54' 2.670 W	Point
HARDLINE 75'S OF CENT. 21KDU	7500.0	-1495.4	926.0	40° 17' 54.186 N	104° 54' 3.961 W	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	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	450.0	5.00	155.00	449.7	-9.9	4.6	2.00	155.00	10.7	
4	1167.4	19.22	143.89	1149.4	-134.3	87.9	2.00	-14.83	160.3	
5	5517.3	19.22	143.89	5256.8	-1291.4	931.9	0.00	0.00	1592.5	
6	6478.5	0.00	0.00	6200.0	-1420.4	1026.0	2.00	180.00	1752.2	DRILL TARGET BHL 2556'FNL, 1337'FWL
7	7778.5	0.00	0.00	7500.0	-1420.4	1026.0	0.00	0.00	1752.2	