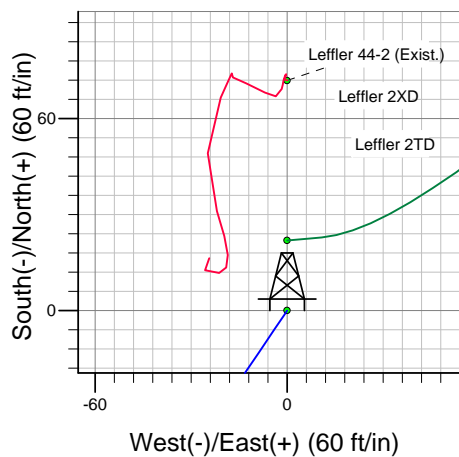
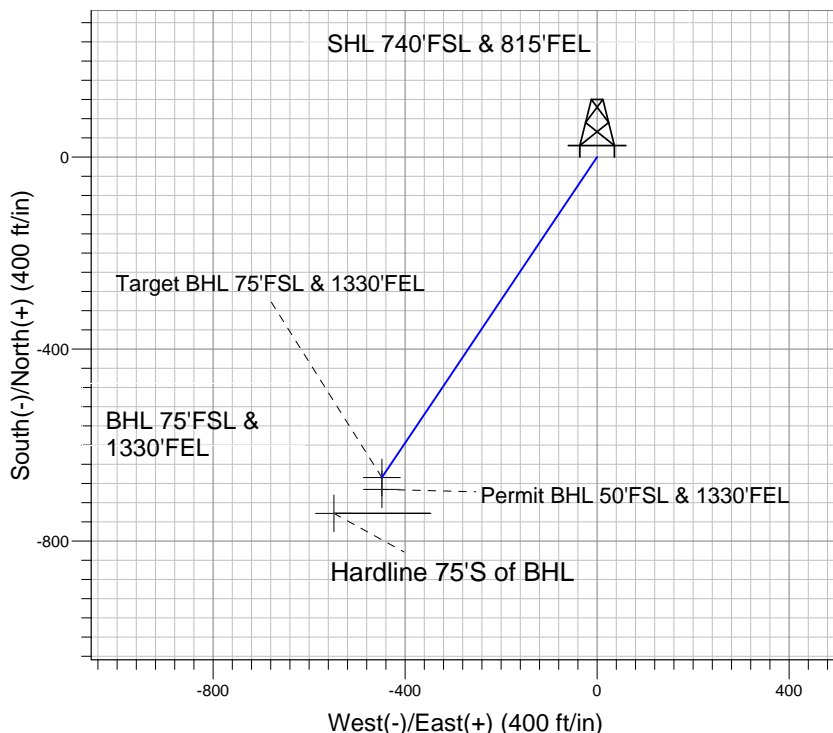
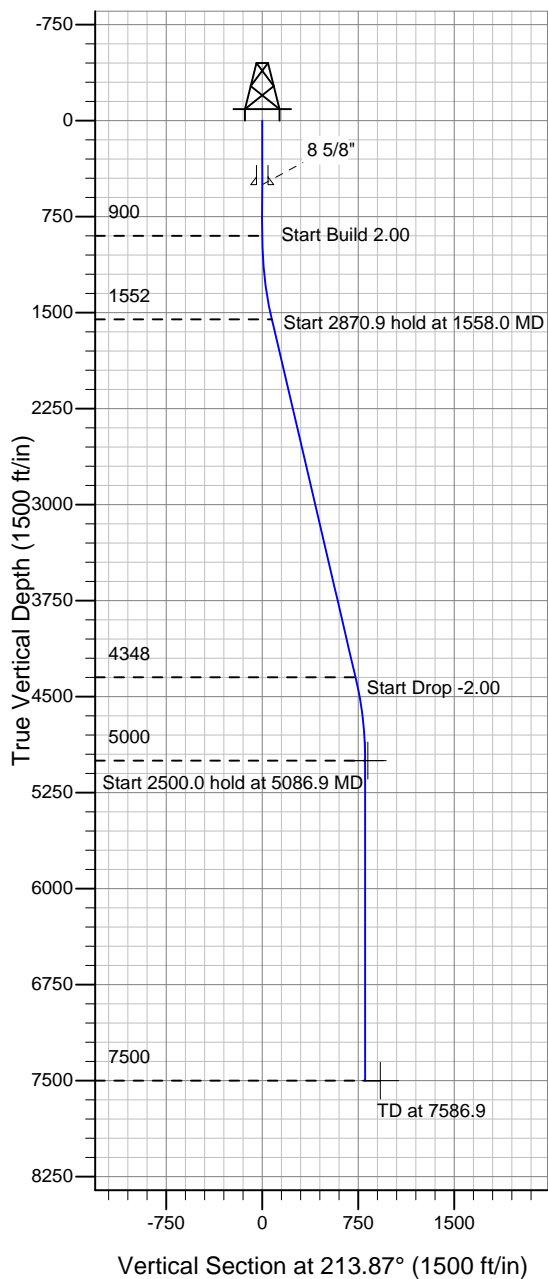


PETROLEUM DEVELOPMENT CORP Weld County CO



Azimuths to True North
Magnetic North: 8.99°
Magnetic Field
Strength: 53294.0snT
Dip Angle: 67.18°
Date: 7/1/2010
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Permit BHL 50'FSL & 1330'FEL	5000.0	-692.7	-448.1	40° 30' 37.039 N	104° 44' 22.818 W	Point
Target BHL 75'FSL & 1330'FEL	5000.0	-667.7	-448.1	40° 30' 37.286 N	104° 44' 22.817 W	Point
Hardline 75'S of BHL	7500.0	-742.7	-548.1	40° 30' 36.545 N	104° 44' 24.112 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	900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.0	
3	1558.0	13.16	213.87	1552.2	-62.5	-41.9	2.00	213.87	75.2	
4	4428.9	13.16	213.87	4347.8	-605.2	-406.2	0.00	0.00	728.9	
5	5086.9	0.00	0.00	5000.0	-667.7	-448.1	2.00	180.00	804.1	Target BHL 75'FSL & 1330'FEL
6	7586.9	0.00	0.00	7500.0	-667.7	-448.1	0.00	0.00	804.1	