

ENSIGN

Directional

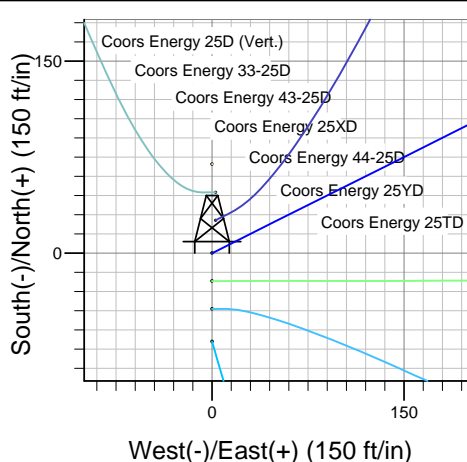
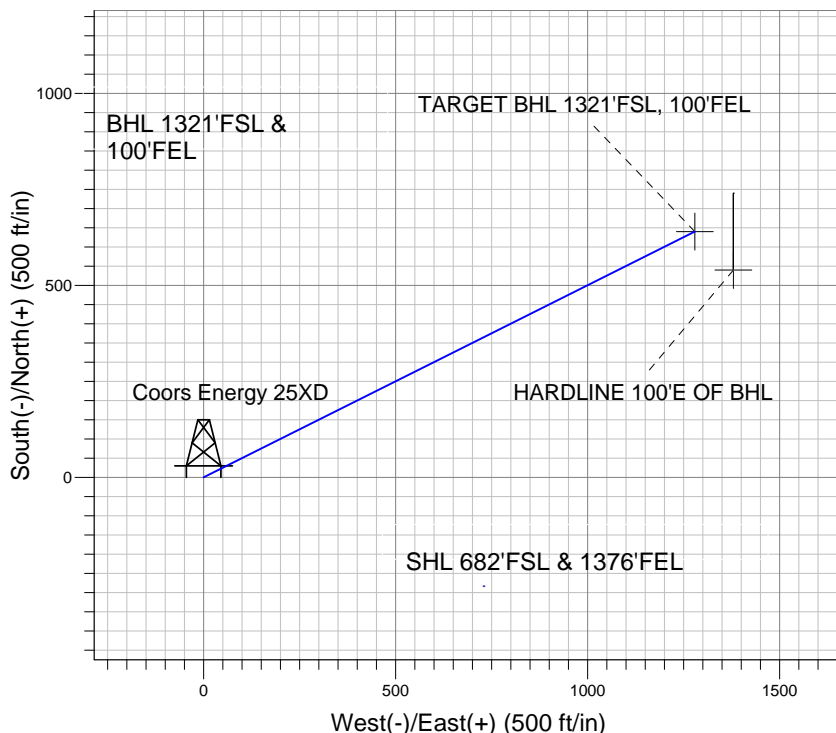
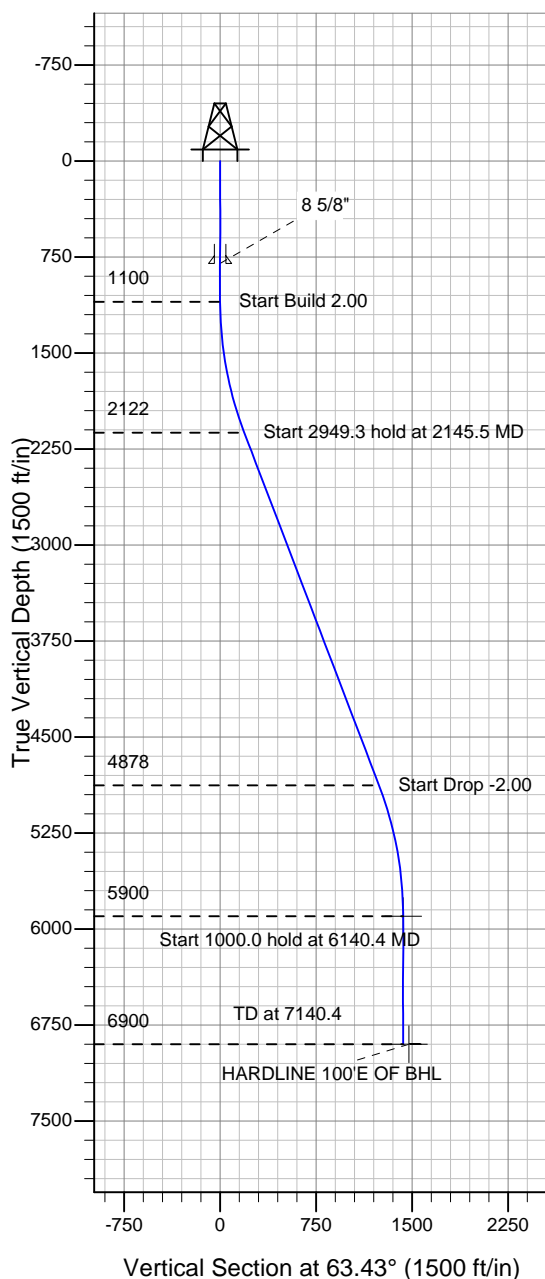
Well Name: Coors Energy 25XD

Surface Location: Coors Energy 33-25D Pad Sec.25-T3N-R64W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4790.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1314021.29	3280678.70	40° 11' 27.672 N	104° 29' 43.044 W	
Original Well Elev WELL @ 4803.0ft (Original Well Elev)						

PETROLEUM DEVELOPMENT CORP Weld County CO



Coors Energy 25XD
Plan #1 (6-2-10)
15:29, June 02 2010



Azimuths to True North
Magnetic North: 8.84°
Magnetic Field
Strength: 53160.5nT
Dip Angle: 66.96°
Date: 6/2/2010
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 1321'FSL, 100'FEL	5900.0	639.6	1279.0	40° 11' 33.992 N	104° 29' 26.563 W	Point
HARDLINE 100'E OF BHL	6900.0	539.6	1379.0	40° 11' 33.004 N	104° 29' 25.274 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	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	2145.5	20.91	63.43	2122.5	84.4	168.8	2.00	63.43	188.7	
4	5094.8	20.91	63.43	4877.5	555.2	1110.2	0.00	0.00	1241.3	
5	6140.4	0.00	0.00	5900.0	639.6	1279.0	2.00	180.00	1430.0	TARGET BHL 1321'FSL, 100'FEL
6	7140.4	0.00	0.00	6900.0	639.6	1279.0	0.00	0.00	1430.0	