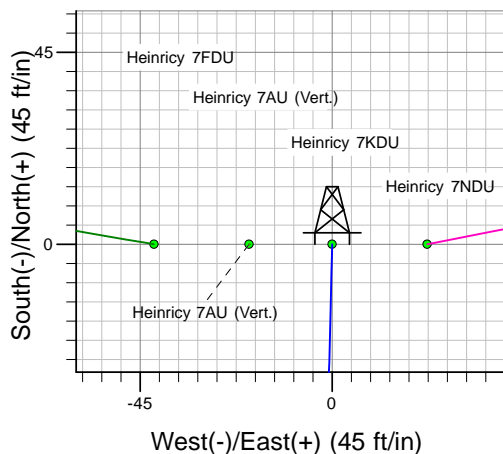
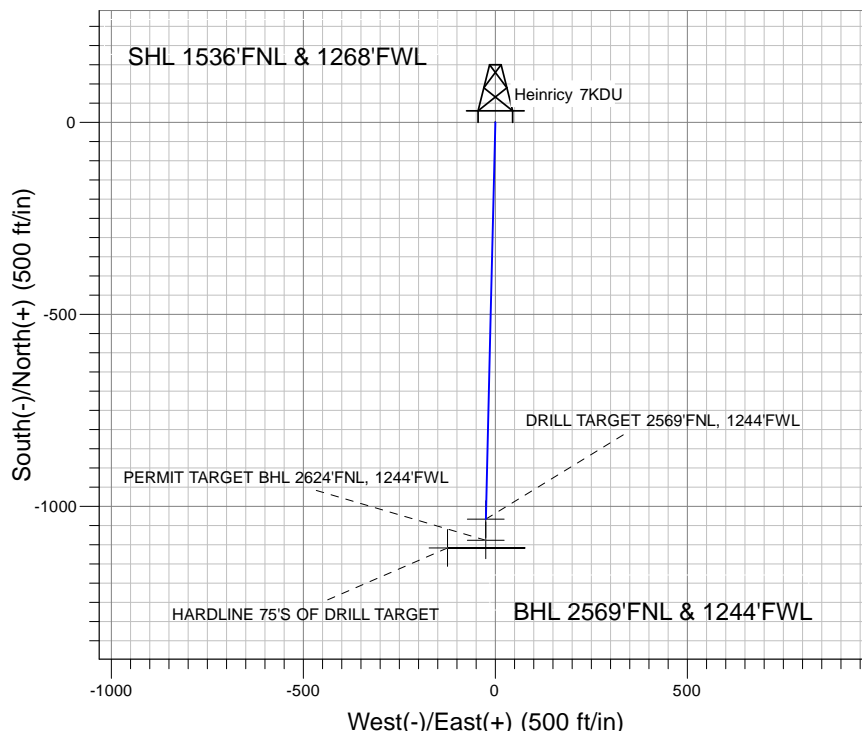
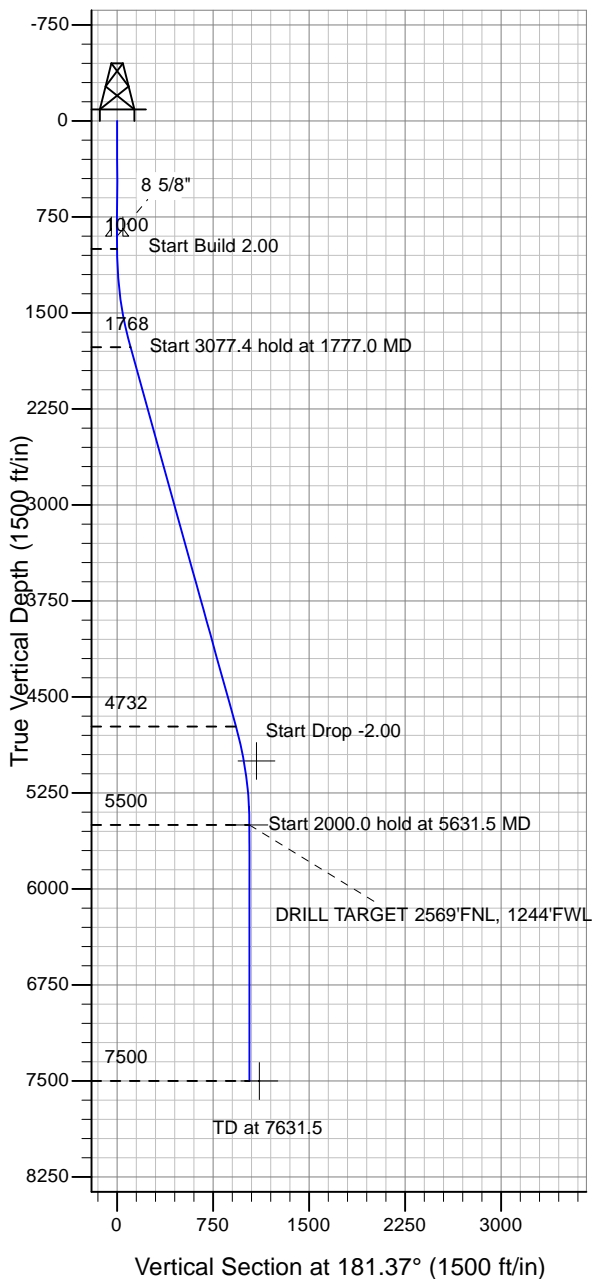


### Well Name: Heinricy 7KDU

Surface Location: Heinricy Pad Sec.7-T5N-R67W  
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone  
 Ground Elevation: 4980.0

+N/-S+E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1395340.77 3155966.82 40° 25' 2.136 N 104° 56' 23.460 W  
 Original Well Elev WELL @ 4993.0ft (Original Well Elev)

### PETROLEUM DEVELOPMENT CORP Weld County CO



Heinricy Pad Sec.7-T5N-R67W  
 Heinricy 7KDU  
 Plan #2 (10-05-10)  
 17:30, October 15 2010



Azimuths to True North  
 Magnetic North: 9.05°

Magnetic Field  
 Strength: 53190.3snT  
 Dip Angle: 67.06°  
 Date: 10/15/2010  
 Model: IGRF2010

### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PERMIT TARGET BHL 2624'FNL, 1244'FWL	5000.0	-1088.7	-24.7	40° 24' 51.378 N	104° 56' 23.779 W	Point
DRILL TARGET 2569'FNL, 1244'FWL	5500.0	-1033.7	-24.7	40° 24' 51.921 N	104° 56' 23.779 W	Point
HARDLINE 75'S OF DRILL TARGET	7500.0	-1108.7	-124.7	40° 24' 51.180 N	104° 56' 25.072 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	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1777.0	15.54	181.37	1767.5	-104.7	-2.5	2.00	181.37	104.7	
4	4854.5	15.54	181.37	4732.5	-929.0	-22.2	0.00	0.00	929.3	
5	5631.5	0.00	0.00	5500.0	-1033.7	-24.7	2.00	180.00	1034.0	DRILL TARGET 2569'FNL, 1244'FWL
6	7631.5	0.00	0.00	7500.0	-1033.7	-24.7	0.00	0.00	1034.0	