

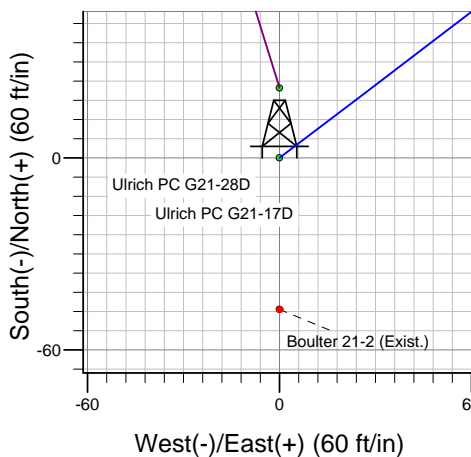
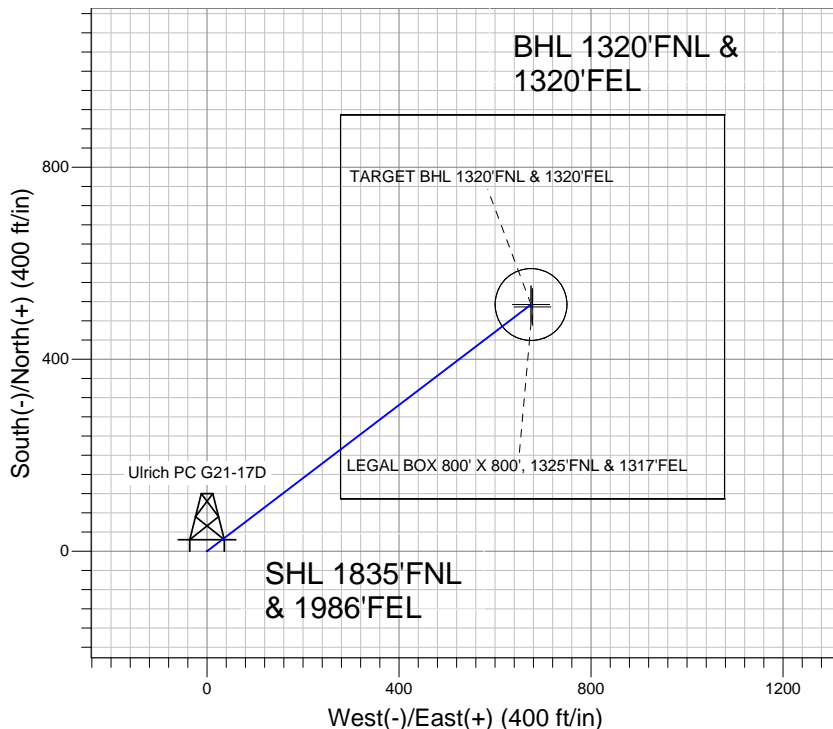
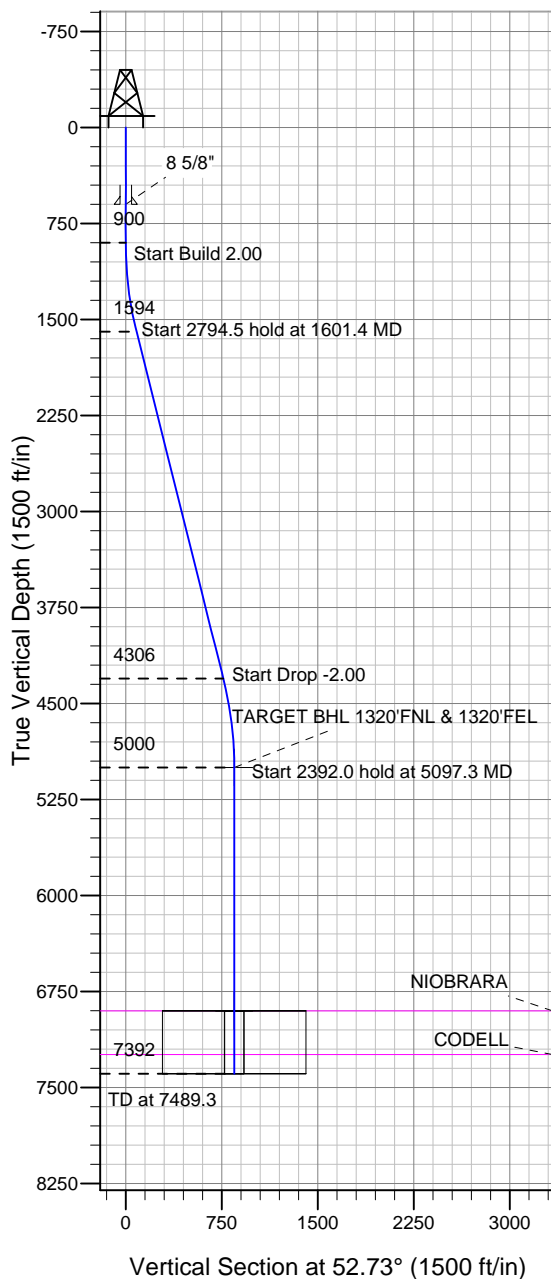
Well Name: Ulrich PC G21-17D

Surface Location: Ulrich PC G21-28D Pad Sec.21-T4N-R65W
 North American Datum 1983, US State Plane 1983 Colorado Northern Zone
 Ground Elevation: 4859.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1353272.67	3232652.64	40.300130	-104.665870	

Original Well EleWELL @ 4872.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Ulrich PC G21-28D Pad Sec.21-T4N-R65W
 Ulrich PC G21-17D
 Noble Ulrich PC G21-17D Plan #1 (11-4-11)
 10:12, November 08 2011



Azimuths to True North
 Magnetic North: 8.71°
 Magnetic Field
 Strength: 53071.3snT
 Dip Angle: 66.98°
 Date: 11/4/2011
 Model: IGRF200510

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 1320'FNL & 1320'FEL	5000.0	513.7	675.0	40.301540	-104.663450	Point
LEGAL BOX 800' X 800', 1325'FNL & 1317'FEL	6902.0	508.7	678.0	40.301526	-104.663439	Rectangle (Sides: L800.0 W800.0)
TARGET CIRCLE 1320'FNL & 1320'FEL	6902.0	513.7	675.0	40.301540	-104.663450	Circle (Radius: 75.0)

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	1601.4	14.03	52.73	1594.4	51.7	68.0	2.00	52.73	85.4	
4	4395.9	14.03	52.73	4305.6	462.0	607.0	0.00	0.00	762.8	
5	5097.3	0.00	0.00	5000.0	513.7	675.0	2.00	180.00	848.2	TARGET BHL 1320'FNL & 1320'FEL
6	7489.3	0.00	0.00	7392.0	513.7	675.0	0.00	0.00	848.2	