

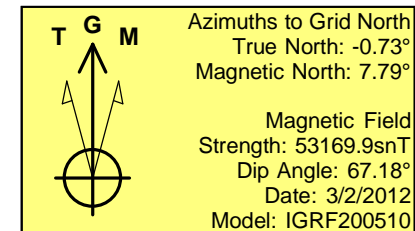
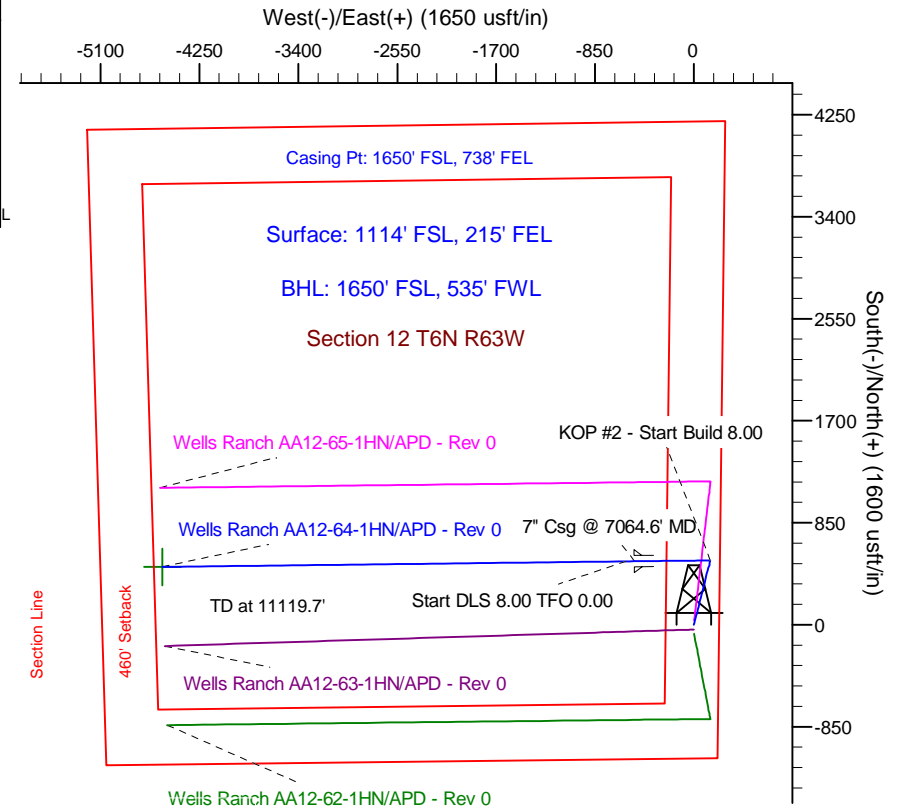
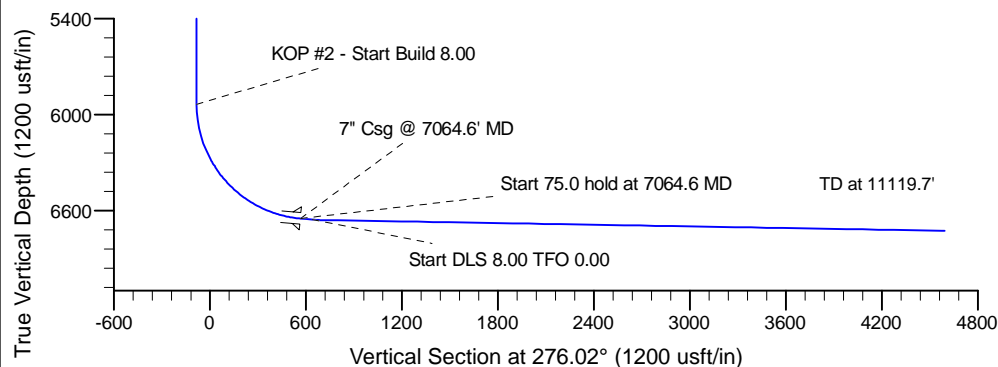
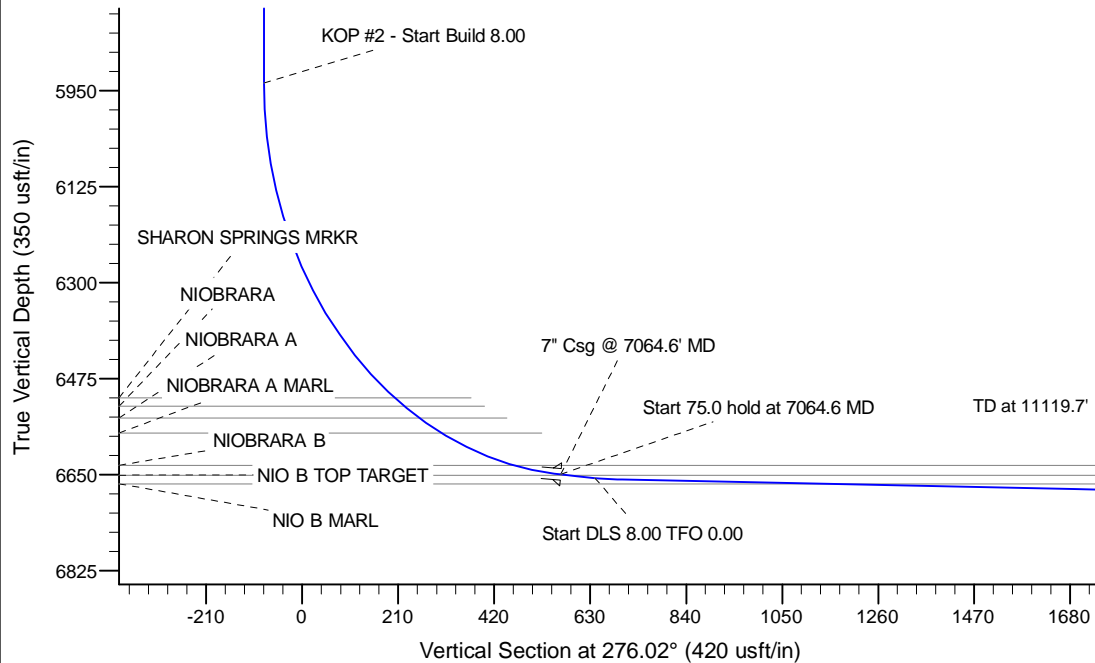
Project: Wattenberg Field
 Site: AA (Sec.12-T06N-R63W) Weld County, CO
 Well: Wells Ranch AA12-64-1HN
 Wellbore: Original Drilling
 Design: APD - Rev 0

Northern Region Drilling

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2398.4	14.96	14.64	2391.7	75.2	19.6	2.50	14.64	-11.6	
4	3942.5	14.96	14.64	3883.3	460.8	120.4	0.00	0.00	-71.4	
5	4540.9	0.00	0.00	4475.0	536.0	140.0	2.50	180.00	-83.0	
6	6002.1	0.00	0.00	5936.2	536.0	140.0	0.00	0.00	-83.0	
7	7064.6	85.00	269.34	6649.7	528.5	-513.7	8.00	269.34	566.3	
8	7139.6	85.00	269.34	6656.2	527.6	-588.4	0.00	0.00	640.5	
9	7189.8	89.01	269.34	6658.8	527.0	-638.5	8.00	0.00	690.3	
10	11119.7	89.01	269.34	6726.4	481.8	-4567.6	0.00	0.00	4592.9	Wells Ranch AA12-64-1HN BHL 1650'FSL, 535'FWL



WELL DETAILS: Wells Ranch AA12-64-1HN

Ground Level: 4858.0
 Northing 1425838.68 Easting 3312592.64 Latitude 40.496890 Longitude -104.375990

Plan: APD - Rev 0 (Wells Ranch AA12-64-1HN/Original Drilling)

Created By: Carrie Willers Date: 9:57, March 05 2012

OK to submit with 2A as per Noble Drilling
3/5/2012 16:04