

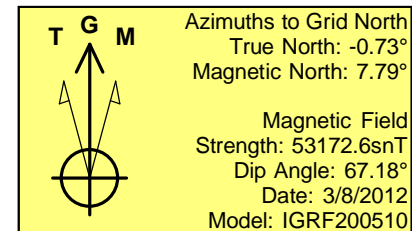
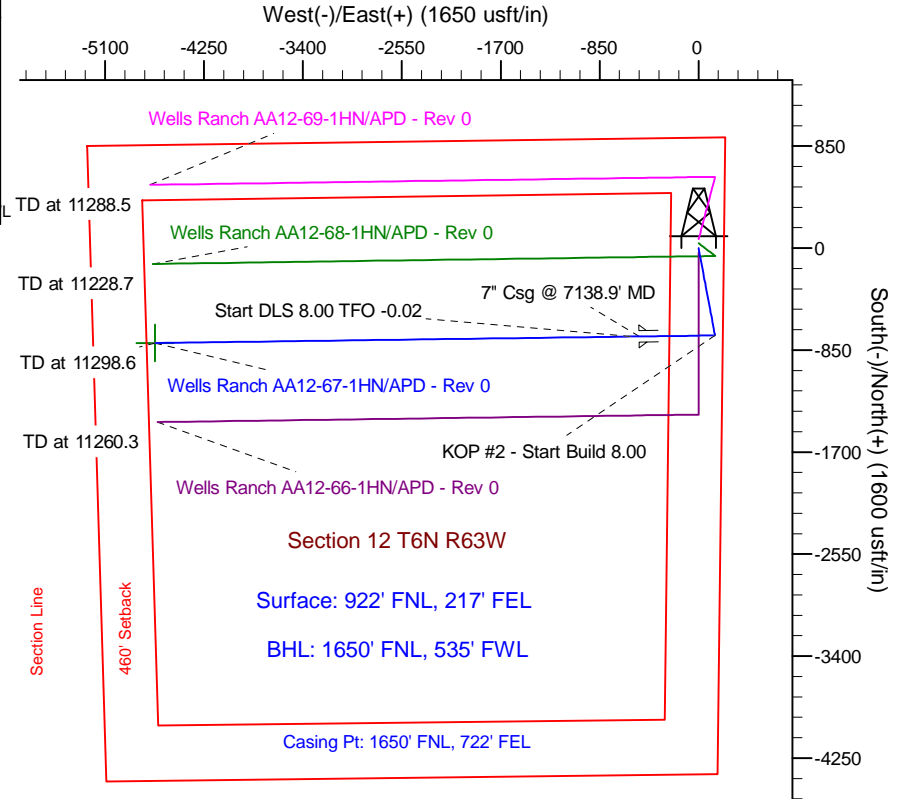
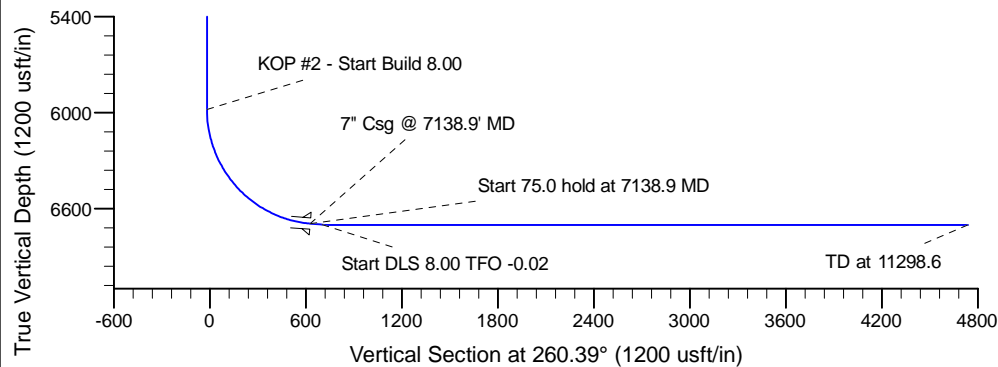
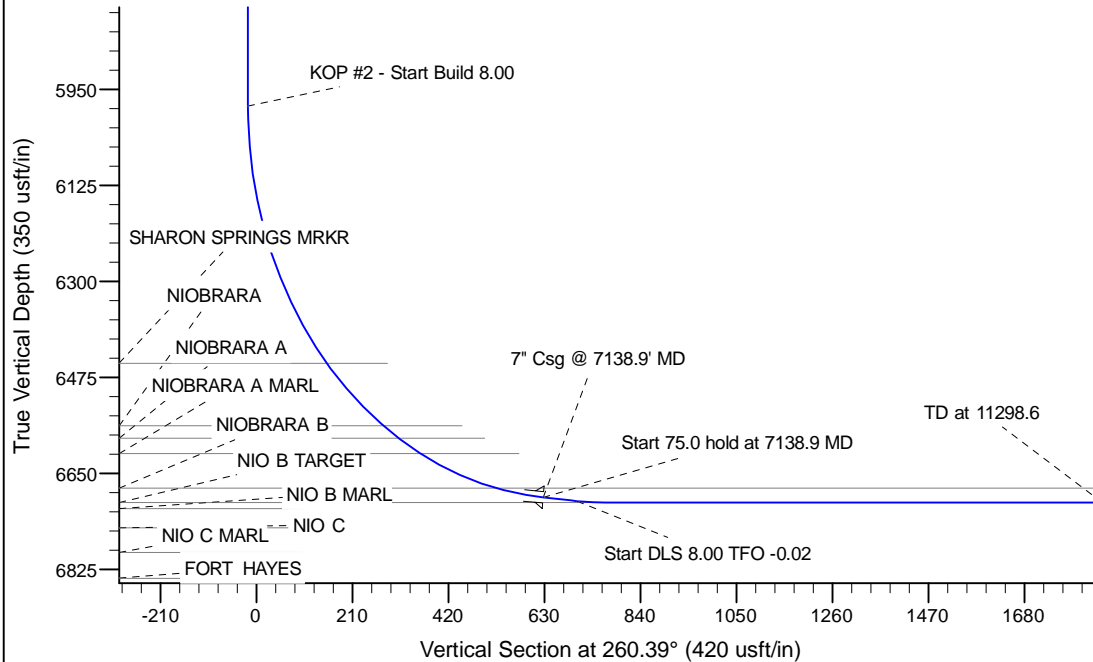
Project: Wattenberg Field
 Site: AA (Sec.12-T06N-R63W) Weld County, CO
 Well: Wells Ranch AA12-67-1HN
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2141.8	16.05	168.96	2133.5	-87.6	17.1	2.50	168.96	-2.2	
4	4179.3	16.05	168.96	4091.5	-640.4	124.9	0.00	0.00	-16.2	
5	4821.1	0.00	0.00	4725.0	-728.0	142.0	2.50	180.00	-18.4	
6	6076.4	0.00	0.00	5980.3	-728.0	142.0	0.00	0.00	-18.4	
7	7138.9	85.00	269.25	6693.8	-736.6	-511.7	8.00	269.25	627.5	
8	7213.9	85.00	269.25	6700.3	-737.5	-586.4	0.00	0.00	701.4	
9	7276.4	90.00	269.25	6703.0	-738.4	-648.9	8.00	-0.02	763.0	
10	11298.6	90.00	269.25	6703.0	-791.1	-4670.6	0.00	0.00	4737.2	Wells Ranch AA12-67-1HN BHL 1650'FNL, 535'FWL



WELL DETAILS: Wells Ranch AA12-67-1HN			
Ground Level: 4893.0			
Northing	Easting	Latitude	Longitude
1429110.90	3312631.81	40.505870	-104.375700
Plan: APD - Rev 0 (Wells Ranch AA12-67-1HN/Original Drilling)			
Created By: Carrie Willers		Date: 16:54, March 08 2012	
OK to submit with 2A as per Noble Drilling 3/8/2012 6:09			