

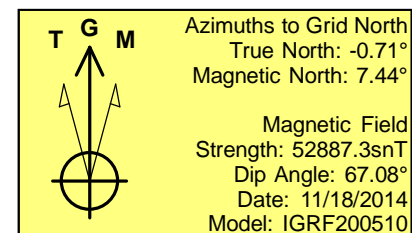
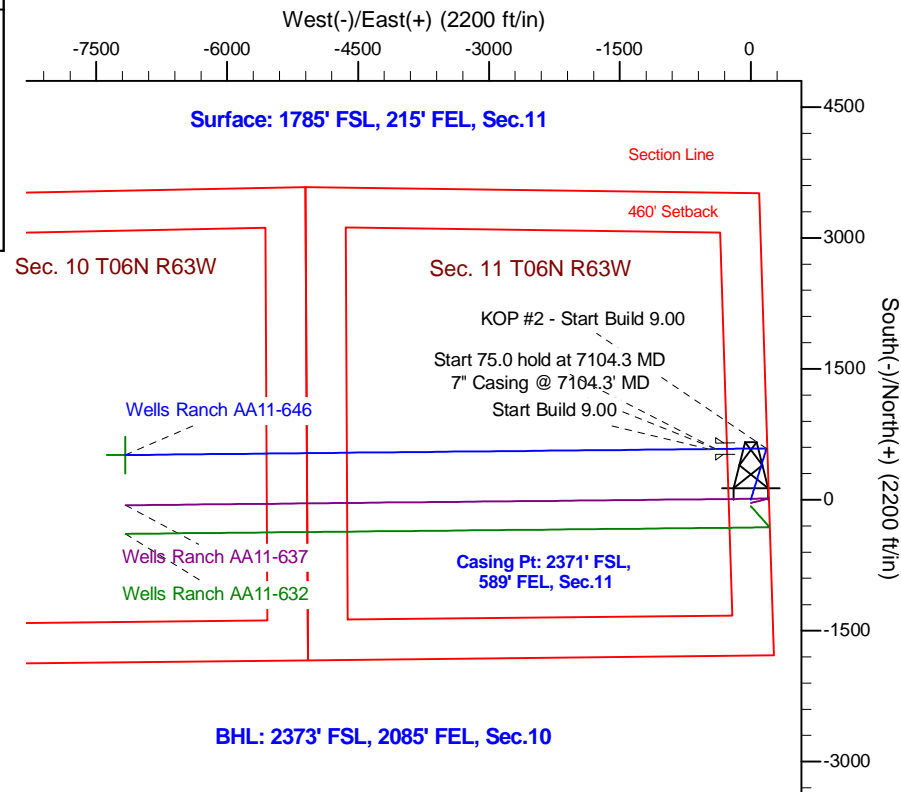
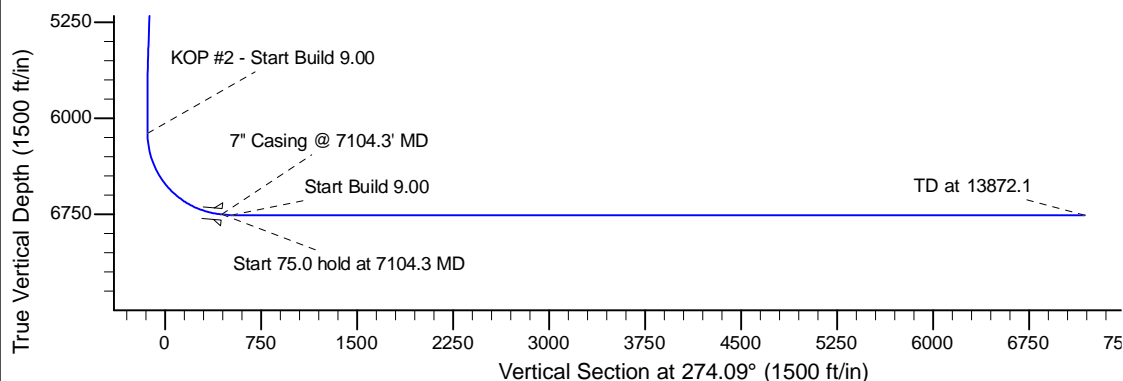
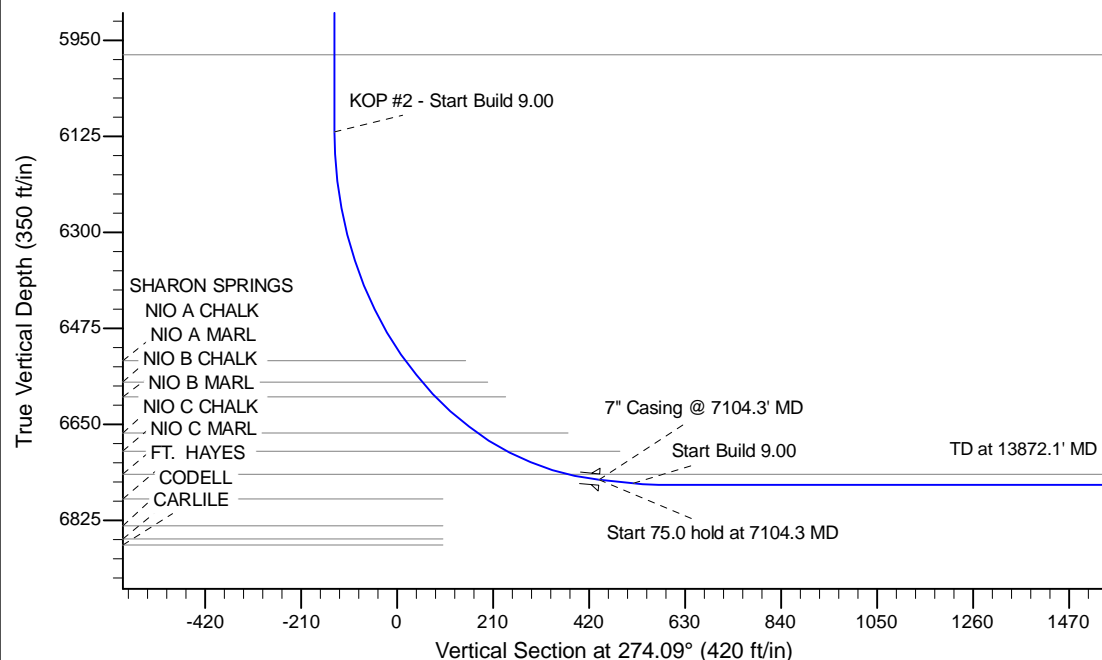
Project: Wattenberg Field
 Site: AA (Sec.11-T06N-R63W) Weld County, CO
 Well: Wells Ranch AA11-646
 Wellbore: Original Drilling
 Design: APD - Rev 0

Northern Region Drilling - Working

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	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1613.0	8.26	17.02	1611.5	28.4	8.7	2.00	17.02	-6.6	
4	5480.0	8.26	17.02	5438.5	559.6	171.3	0.00	0.00	-130.9	
5	5893.0	0.00	0.00	5850.0	588.0	180.0	2.00	180.00	-137.6	
6	6159.8	0.00	0.00	6116.8	588.0	180.0	0.00	0.00	-137.6	
7	7104.3	85.00	269.41	6751.0	582.1	-401.1	9.00	269.41	441.6	
8	7179.3	85.00	269.41	6757.6	581.3	-475.8	0.00	0.00	516.1	
9	7234.8	90.00	269.41	6760.0	580.7	-531.3	9.00	0.00	571.4	
10	13872.1	90.00	269.41	6760.0	512.9	-7168.2	0.00	0.00	7186.6	Wells Ranch AA11-646 BHL 2373'FSL, 2085'FEL



WELL DETAILS: Wells Ranch AA11-646					
Ground Level: 4855.0					
0.0	0.0	Northing	Easting	Latitude	Longitude
		1426445.84	3307272.72	40.498740	-104.395090
Plan: APD - Rev 0 (Wells Ranch AA11-646/Original Drilling)					
Created By: Shailey Jewell			Date: 14:29, November 18 2014		
OK to submit with 2A as per Noble Drilling					
11/18/2014 3:04					