

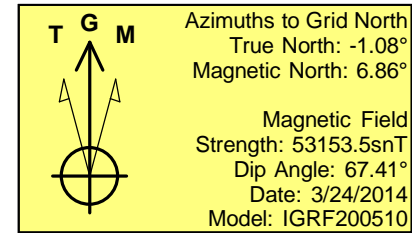
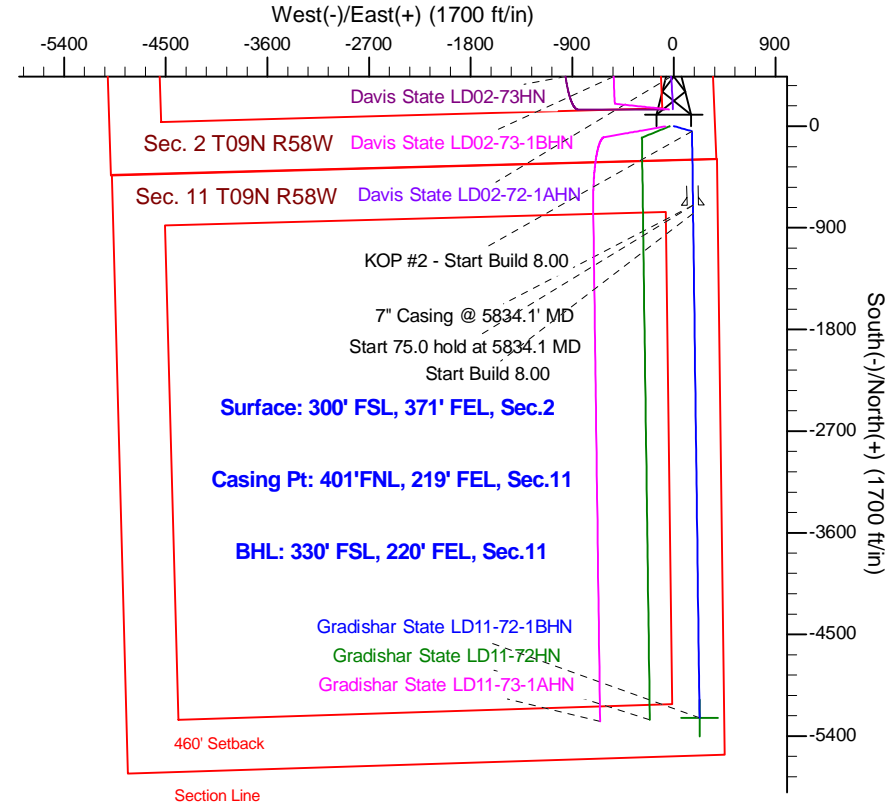
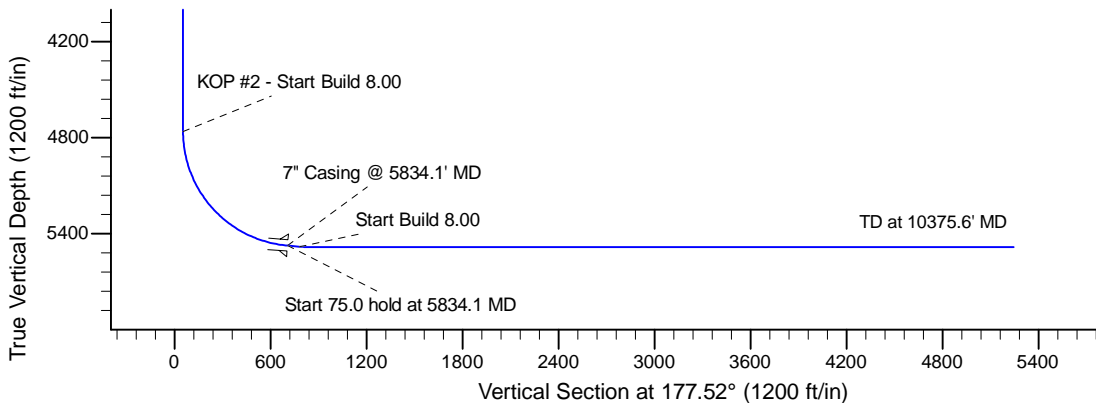
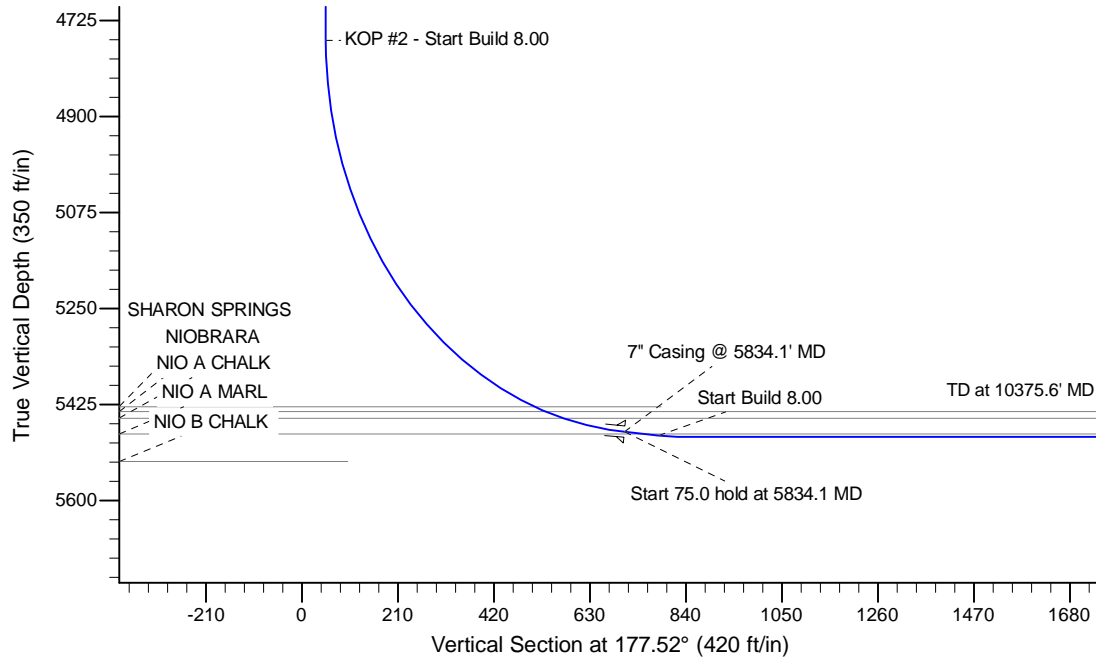
Project: Wattenberg Field
 Site: LD (Sec.2-T09N-R58W) Weld County, CO
 Well: Gradishar State LD11-72-1BHN
 Wellbore: Original Drilling
 Design: APD - Rev 1

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	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2201.7	8.03	105.71	2200.3	-7.6	27.1	2.00	105.71	8.8	
4	2988.7	8.03	105.71	2979.7	-37.4	132.9	0.00	0.00	43.1	
5	3390.4	0.00	0.00	3380.0	-45.0	160.0	2.00	180.00	51.9	
6	4771.6	0.00	0.00	4761.3	-45.0	160.0	0.00	0.00	51.9	
7	5834.1	85.00	179.27	5474.7	-698.7	168.4	8.00	179.27	705.3	
8	5909.1	85.00	179.27	5481.3	-773.4	169.3	0.00	0.00	780.0	
9	5971.6	90.00	179.27	5484.0	-835.8	170.1	8.00	0.00	842.4	
10	10375.6	90.00	179.27	5484.0	-5239.4	226.6	0.00	0.00	5244.3	Gradishar State LD11-72-1BHN BHL 330'FSL, 220'FEL



WELL DETAILS: Gradishar State LD11-72-1BHN

Ground Level: 4661.0					
Northing	Easting	Latitude	Longitude		
0.0	0.0	1529271.63	3464461.68	40.774180	-103.822980

Plan: APD - Rev 1 (Gradishar State LD11-72-1BHN/Original Drilling)

Created By: Shailey Jewell Date: 15:55, August 20 2014

OK to submit with 2A as per Noble Drilling
8/21/2014 9:22