

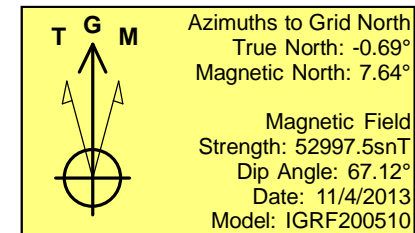
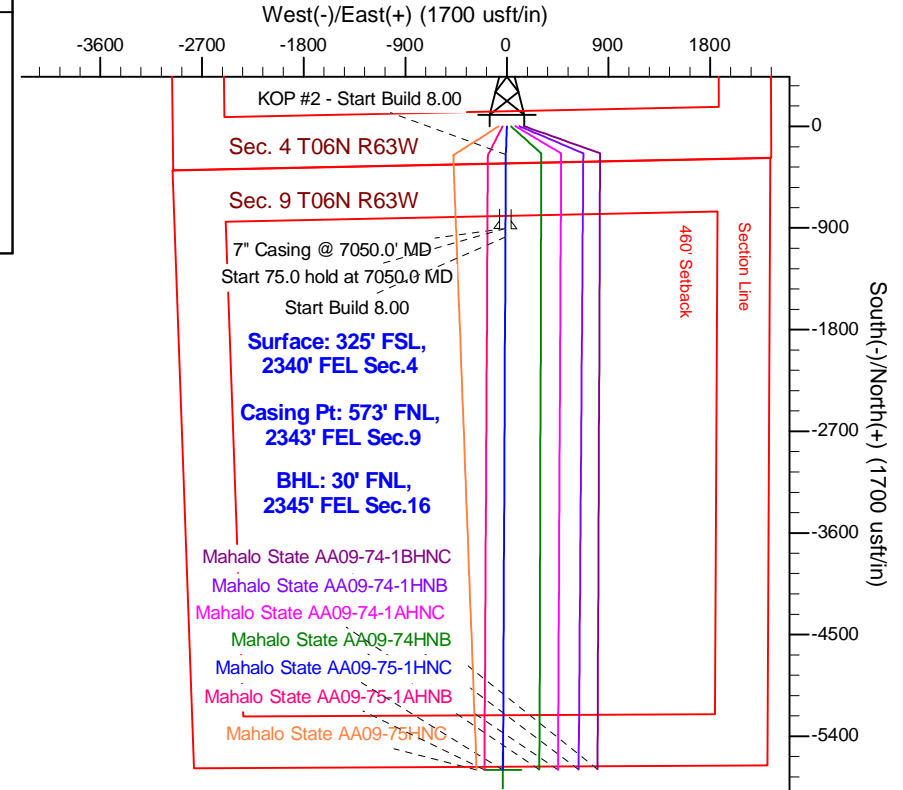
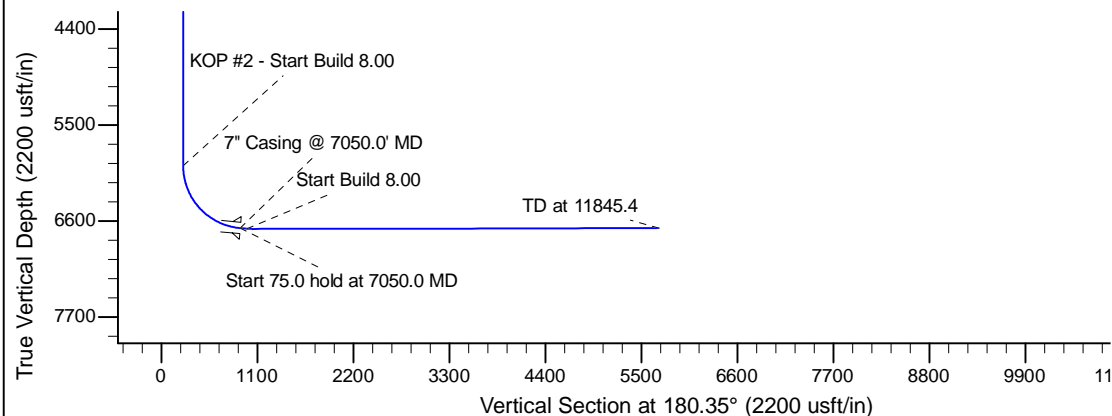
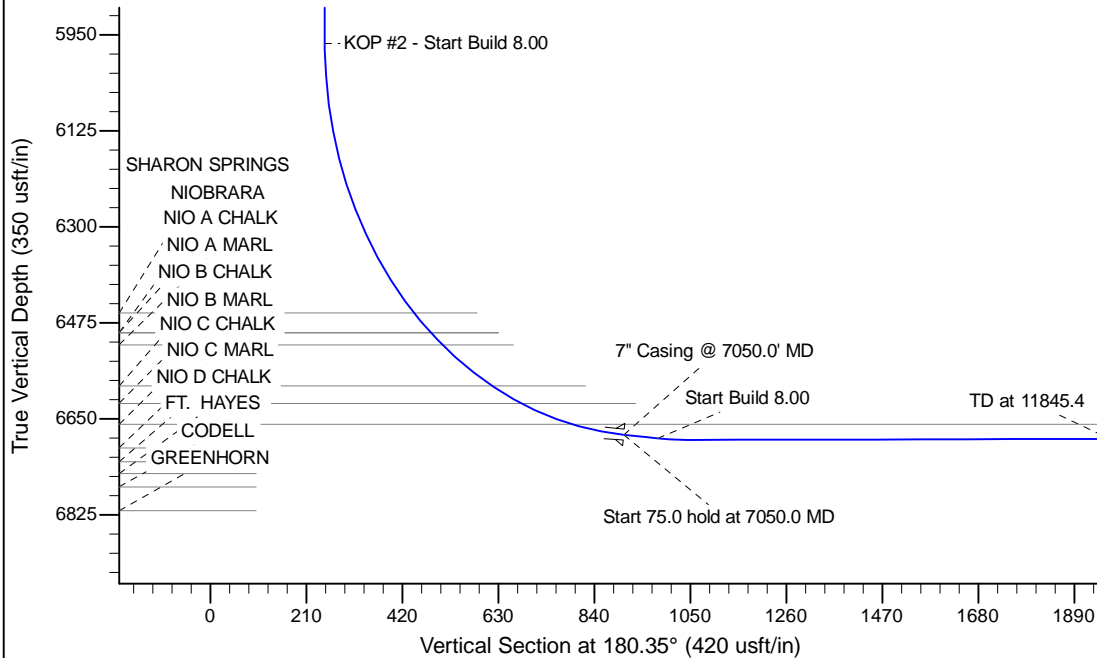
Project: Wattenberg Field
Site: AA (Sec.4-T06N-R63W) Weld County, CO
Well: Mahalo State AA09-75-1HNC
Wellbore: Original Drilling
Design: APD - Rev 0

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	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2404.3	12.09	182.29	2399.9	-63.5	-2.5	2.00	182.29	63.5	
4	2992.7	12.09	182.29	2975.1	-186.5	-7.5	0.00	0.00	186.6	
5	3597.0	0.00	0.00	3575.0	-250.0	-10.0	2.00	180.00	250.1	
6	5987.5	0.00	0.00	5965.5	-250.0	-10.0	0.00	0.00	250.1	
7	7050.0	85.00	180.26	6679.0	-903.8	-13.0	8.00	180.26	903.8	
8	7125.0	85.00	180.26	6685.5	-978.5	-13.3	0.00	0.00	978.5	
9	7188.7	90.10	180.26	6688.2	-1042.2	-13.6	8.00	0.00	1042.2	
10	11845.4	90.10	180.26	6680.1	-5698.7	-34.8	0.00	0.00	5698.8	Mahalo State AA09-75-1HNC BHL 30'FNL, 2345'FEL



WELL DETAILS: Mahalo State AA09-75-1HNC				
Ground Level: 4694.0				
0.0	0.0	Northing 1430207.45	Easting 3294575.89	Latitude 40.509490 Longitude -104.440580
Plan: APD - Rev 0 (Mahalo State AA09-75-1HNC/Original Drilling)				
Created By: Shailey Jewell		Date: 10:07, December 10 2013		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		