

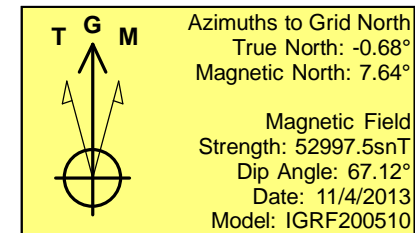
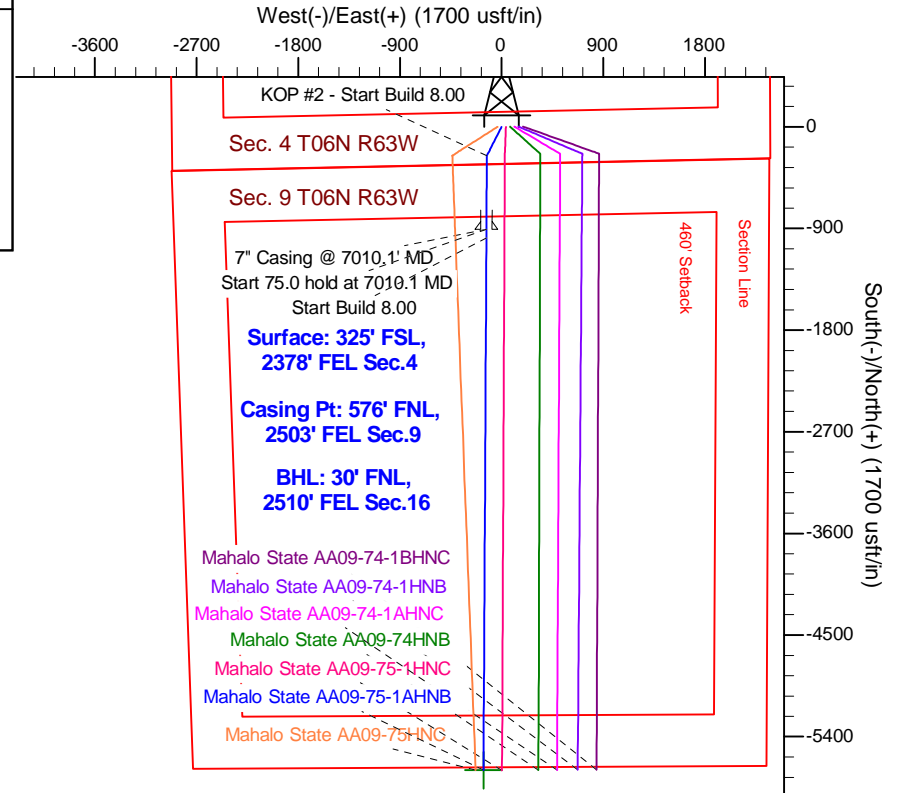
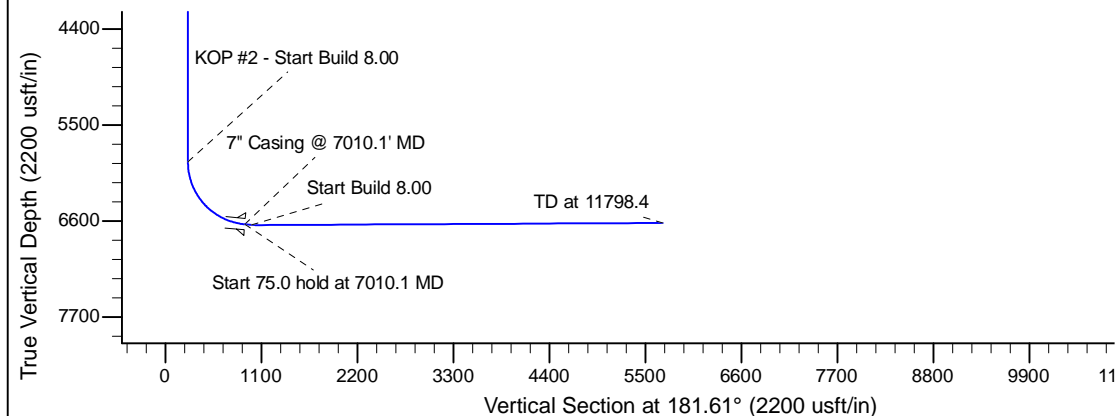
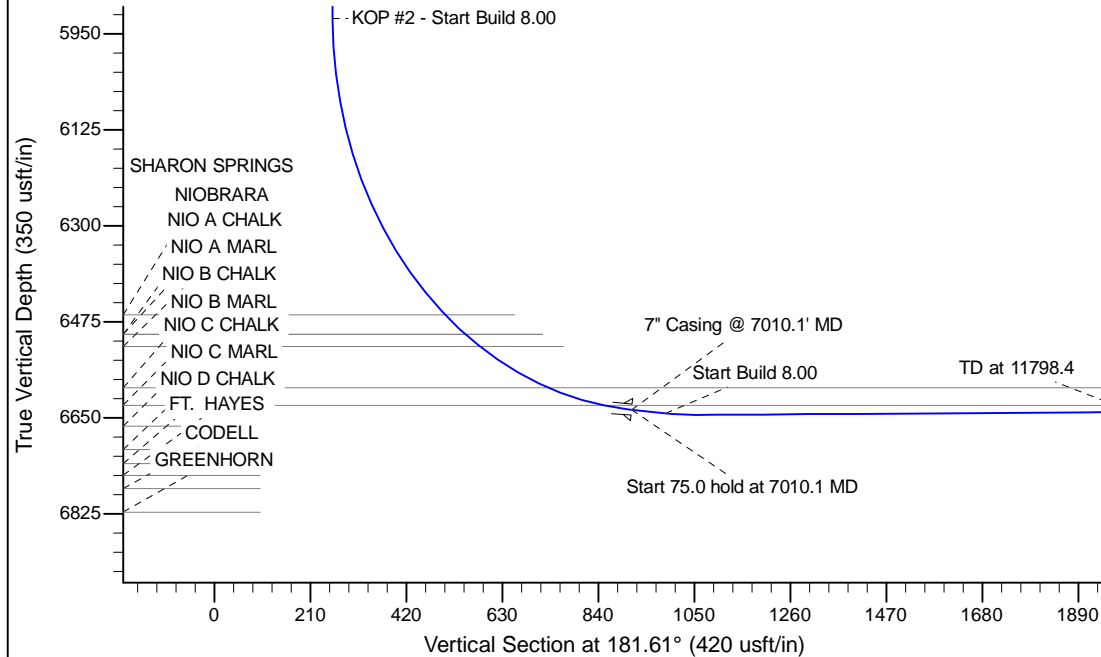
Project: Wattenberg Field
Site: AA (Sec.4-T06N-R63W) Weld County, CO
Well: Mahalo State AA09-75-1AHNB
Wellbore: Original Drilling
Design: APD - Rev 0

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	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	2102.9	12.06	207.01	2098.5	-56.3	-28.7	2.00	207.01	57.1	
4	2867.8	12.06	207.01	2846.5	-198.7	-101.3	0.00	0.00	201.4	
5	3470.8	0.00	0.00	3445.0	-255.0	-130.0	2.00	180.00	258.6	
6	5947.6	0.00	0.00	5921.8	-255.0	-130.0	0.00	0.00	258.6	
7	7010.1	85.00	180.32	6635.3	-908.8	-133.6	8.00	180.32	912.2	
8	7085.1	85.00	180.32	6641.8	-983.5	-134.0	0.00	0.00	986.9	
9	7151.3	90.30	180.32	6644.5	-1049.6	-134.4	8.00	0.00	1053.0	
10	11798.4	90.30	180.32	6620.2	-5696.6	-160.0	0.00	0.00	5698.8	Mahalo State AA09-75-1AHNB BHL 30'FNL, 2510'FEL



WELL DETAILS: Mahalo State AA09-75-1AHNB				
Ground Level: 4694.0				
0.0	0.0	Northing 1430206.98	Easting 3294536.96	Latitude 40.509490 Longitude -104.440720
Plan: APD - Rev 0 (Mahalo State AA09-75-1AHNB/Original Drilling)				
Created By: Shailey Jewell		Date: 10:19, December 10 2013		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		