

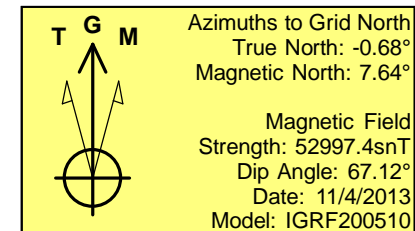
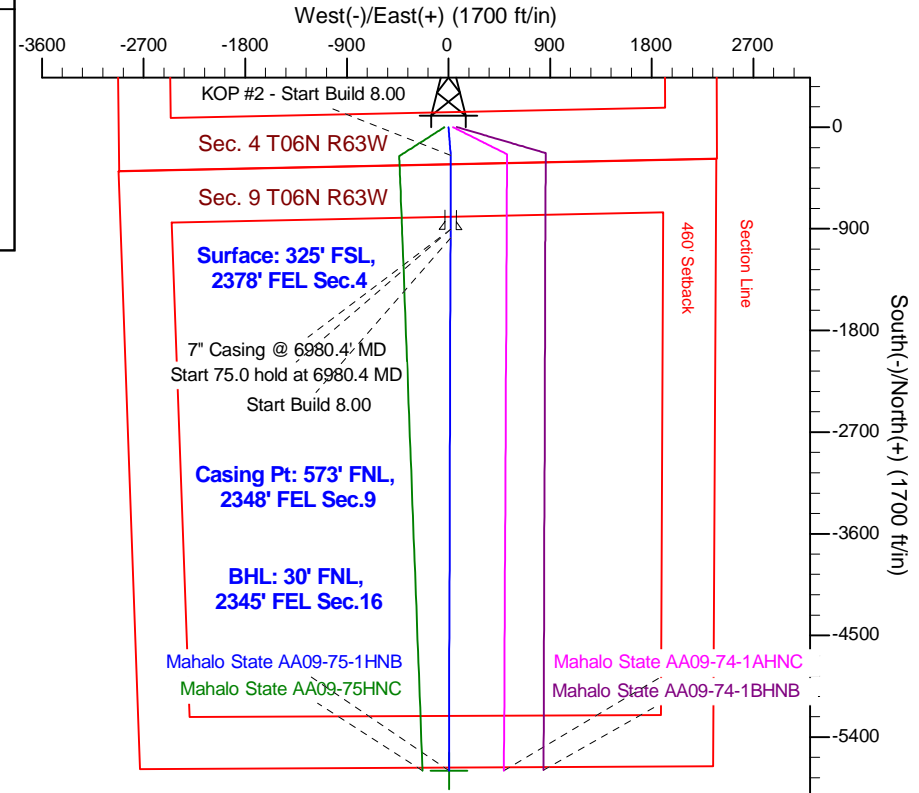
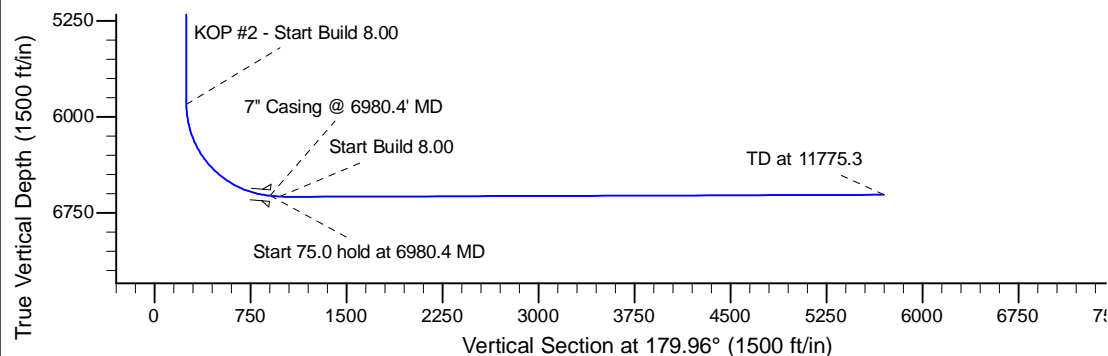
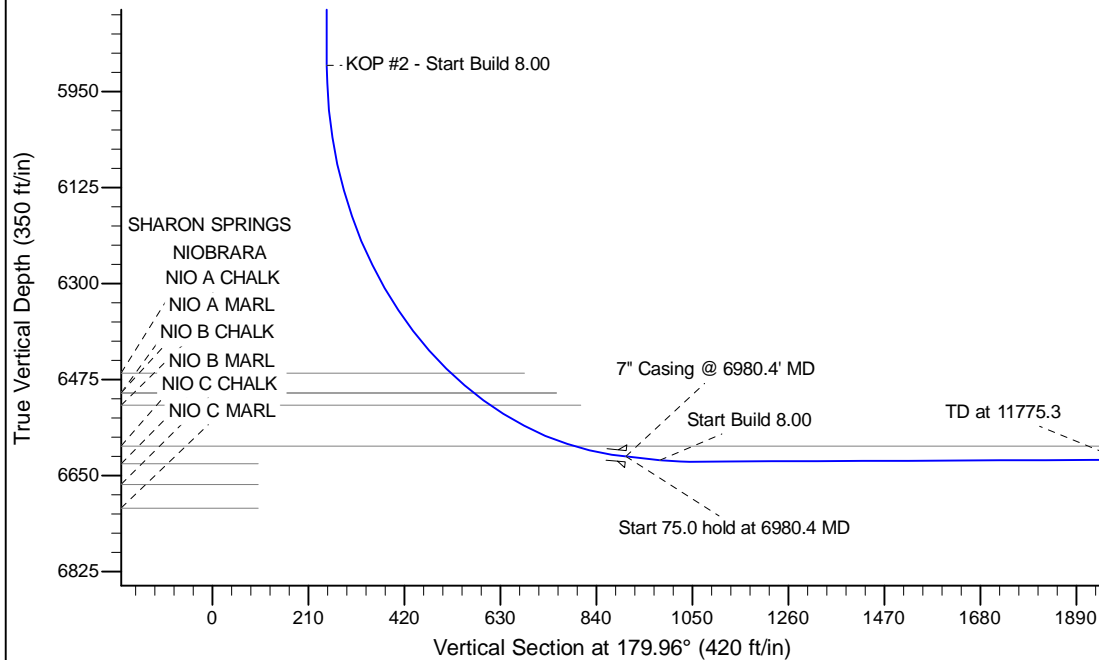
Project: Wattenberg Field
Site: AA (Sec.4-T06N-R63W) Weld County, CO
Well: Mahalo State AA09-75-1HNB
Wellbore: Original Drilling
Design: APD - Rev 1

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	2200.1	8.00	175.43	2198.8	-27.8	2.2	2.00	175.43	22.8	
4	3601.2	8.00	175.43	3586.2	-222.2	17.8	0.00	0.00	222.2	
5	4001.2	0.00	0.00	3985.0	-250.0	20.0	2.00	180.00	250.0	
6	5917.9	0.00	0.00	5901.6	-250.0	20.0	0.00	0.00	250.0	
7	6980.4	85.00	180.17	6615.1	-903.8	18.1	8.00	180.17	903.8	
8	7055.4	85.00	180.17	6621.6	-978.5	17.9	0.00	0.00	978.5	
9	7120.4	90.20	180.17	6624.3	-1043.4	17.7	8.00	0.00	1043.4	
10	11775.3	90.20	180.17	6608.1	-5698.3	4.1	0.00	0.00	5698.3	Mahalo State AA09-75-1HNB BHL 30'FNL, 2345'FEL



WELL DETAILS: Mahalo State AA09-75-1HNB

Ground Level: 4694.0			
0.0	0.0	North	East
1430206.97	3294536.96	40.509490	-104.440720

Plan: APD - Rev 1 (Mahalo State AA09-75-1HNB/Original Drilling)

Created By: Shailey Jewell Date: 9:57, September 10 2014

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____