

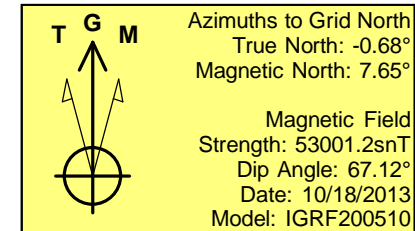
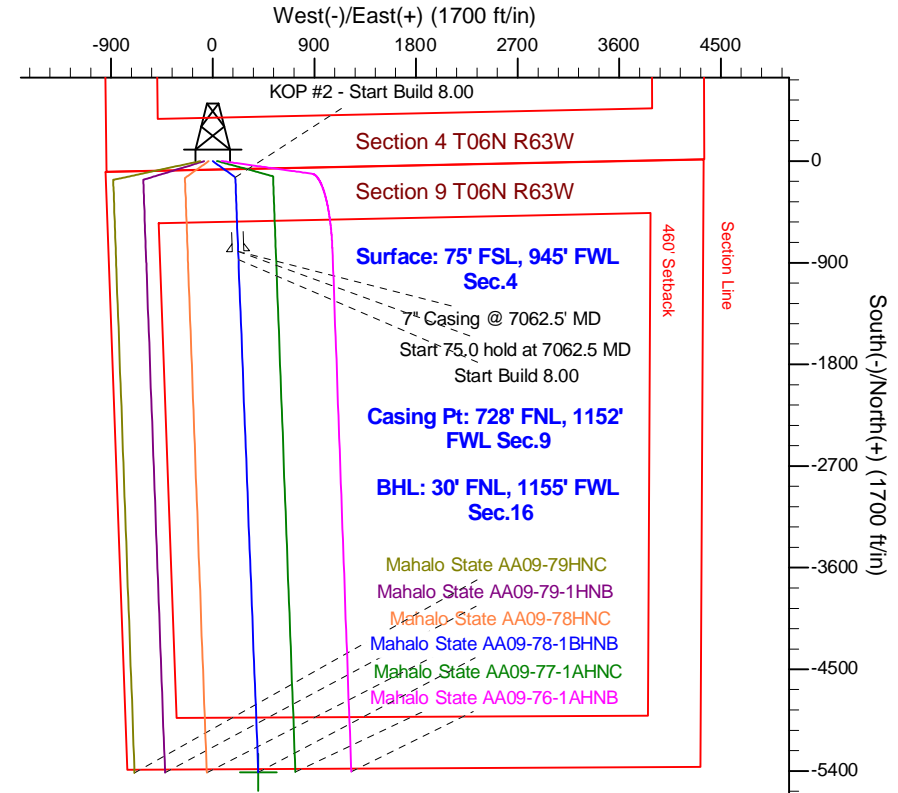
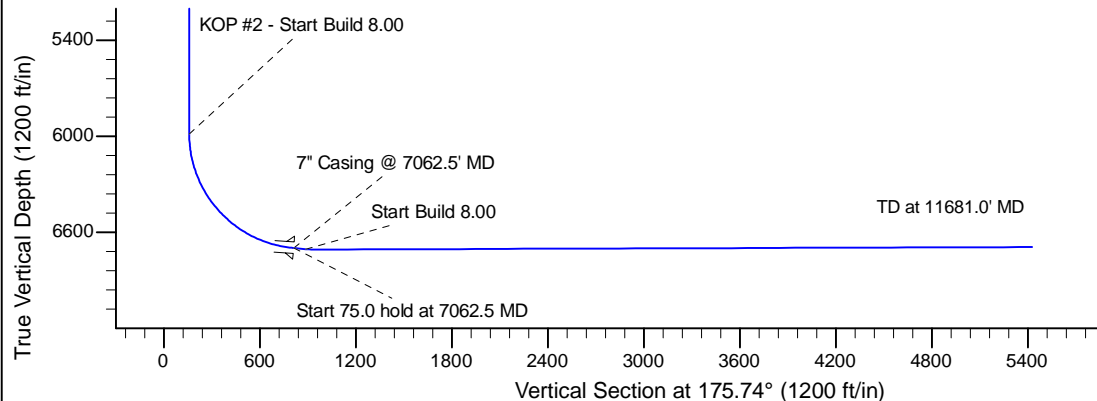
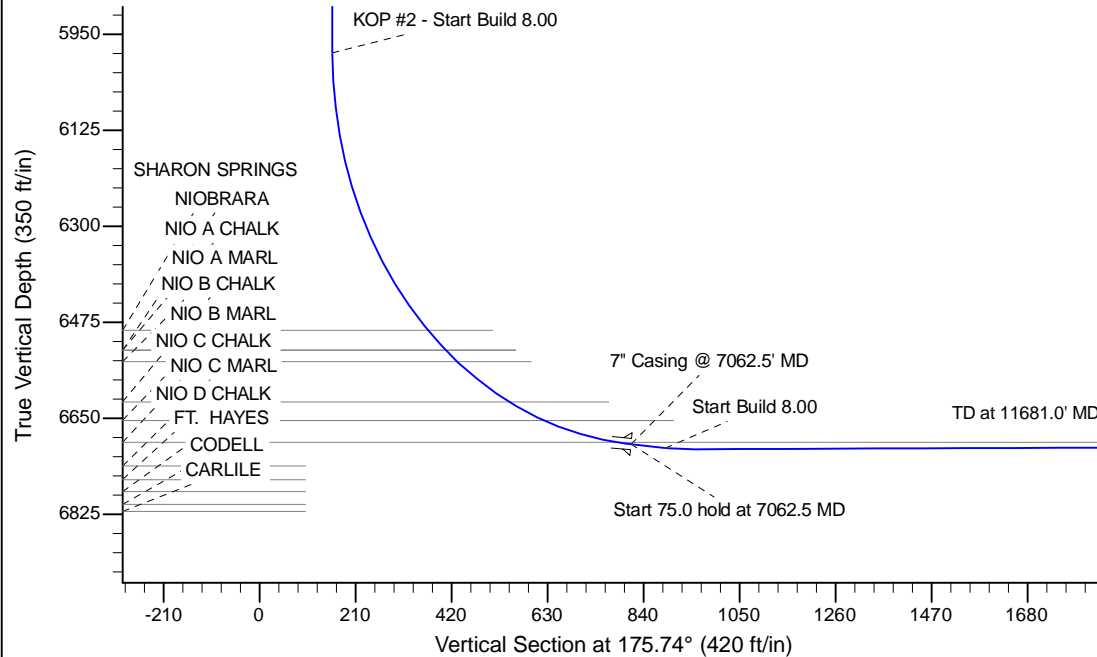
Project: Wattenberg Field
Site: AA (Sec.4-T06N-R63W) Weld County, CO
Well: Mahalo State AA09-78-1BHNB
Wellbore: Original Drilling
Design: APD - Rev 1

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	2200.0	0.00	0.00	2200.0	0.0	0.0	0.00	0.00	0.0	
3	2601.0	8.02	125.94	2599.7	-16.4	22.7	2.00	125.94	18.1	
4	3970.0	8.02	125.94	3955.3	-128.6	177.3	0.00	0.00	141.4	
5	4371.0	0.00	0.00	4355.0	-145.0	200.0	2.00	180.00	159.5	
6	6000.0	0.00	0.00	5984.0	-145.0	200.0	0.00	0.00	159.5	
7	7062.5	85.00	177.79	6697.5	-798.3	225.2	8.00	177.79	812.8	
8	7137.5	85.00	177.79	6704.0	-872.9	228.1	0.00	0.00	887.5	
9	7202.5	90.20	177.79	6706.7	-937.8	230.6	8.00	0.00	952.4	
10	11681.0	90.20	177.79	6691.1	-5413.0	403.6	0.00	0.00	5428.0	Mahalo State AA09-78-1BHNC BHL 30'FNL, 1155'FWL



WELL DETAILS: Mahalo State AA09-78-1BHNB				
Ground Level: 4698.0				
0.0	0.0	Northing 1429913.88	Easting 3292563.29	Latitude 40.508750 Longitude -104.447830
Plan: APD - Rev 1 (Mahalo State AA09-78-1BHNB/Original Drilling)				
Created By: Shailey Jewell		Date: 16:05, September 09 2014		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		