

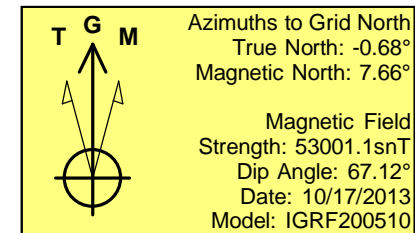
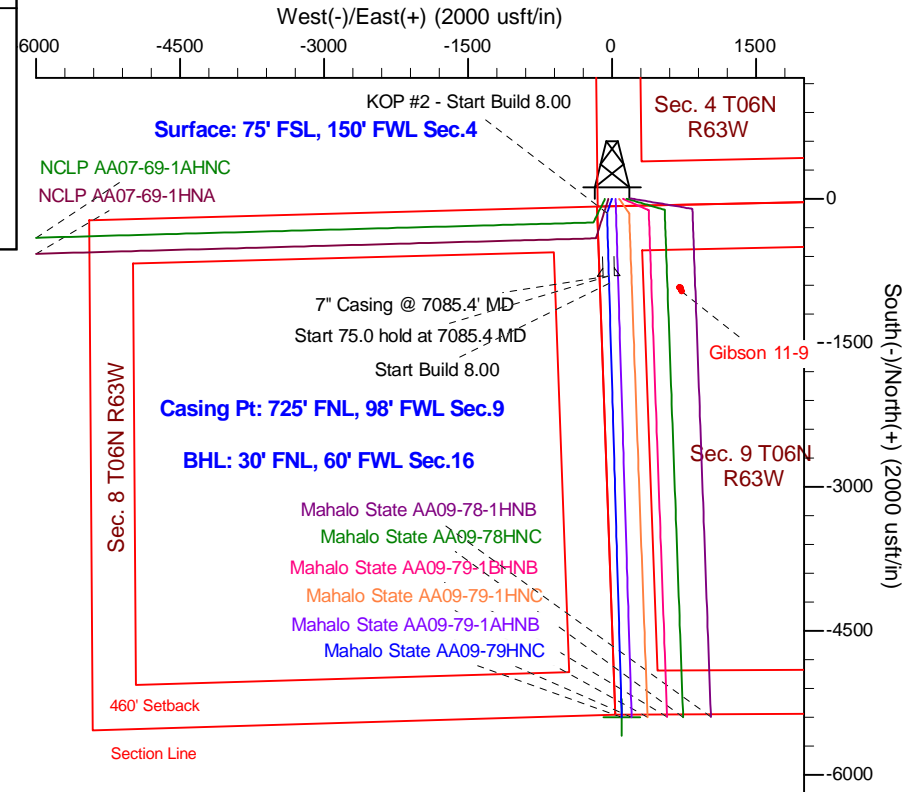
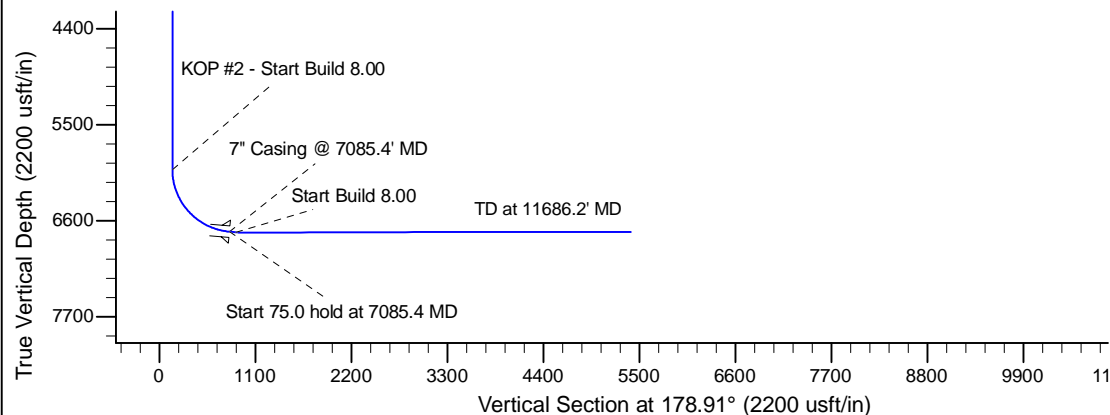
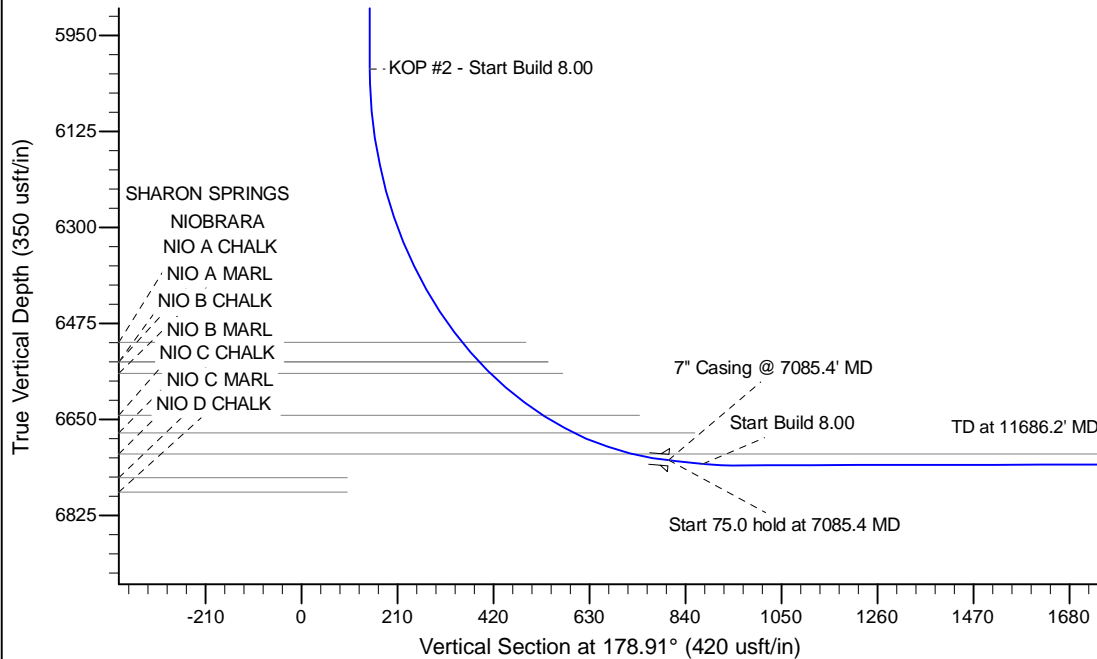
Project: Wattenberg Field
Site: AA (Sec.4-T06N-R63W) Weld County, CO
Well: Mahalo State AA09-79HNC
Wellbore: Original Drilling
Design: APD - Rev 1

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	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2604.2	12.08	198.43	2599.7	-60.2	-20.1	2.00	198.43	59.8	
4	2753.1	12.08	198.43	2745.3	-89.8	-29.9	0.00	0.00	89.2	
5	3357.2	0.00	0.00	3345.0	-150.0	-50.0	2.00	180.00	149.0	
6	6022.9	0.00	0.00	6010.7	-150.0	-50.0	0.00	0.00	149.0	
7	7085.4	85.00	178.33	6724.1	-803.5	-31.0	8.00	178.33	802.8	
8	7160.4	85.00	178.33	6730.7	-878.2	-28.8	0.00	0.00	877.5	
9	7224.1	90.10	178.33	6733.4	-941.8	-27.0	8.00	0.00	941.1	
10	11686.2	90.10	178.33	6725.6	-5402.0	102.9	0.00	0.00	5403.0	Mahalo State AA09-79HNC BHL 30'FNL, 60'FWL



WELL DETAILS: Mahalo State AA09-79HNC					
Ground Level: 4704.0					
0.0	0.0	Northing	Easting	Latitude	Longitude
		1429897.18	3291768.17	40.508730	-104.450690
Plan: APD - Rev 1 (Mahalo State AA09-79HNC/Original Drilling)					
Created By: Shailey Jewell			Date: 12:45, December 18 2013		
Checked: _____			Date: _____		
Reviewed: _____			Date: _____		
Approved: _____			Date: _____		