

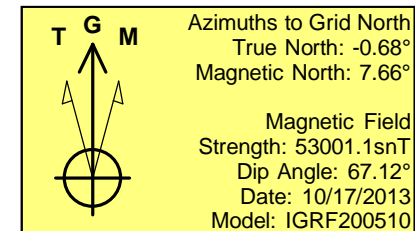
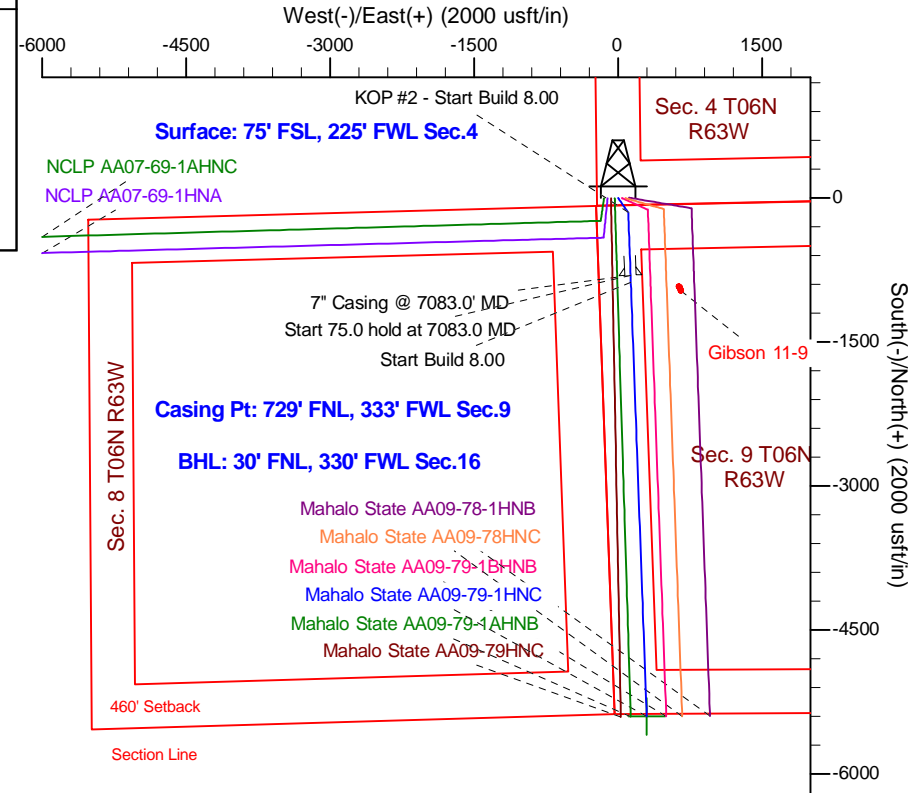
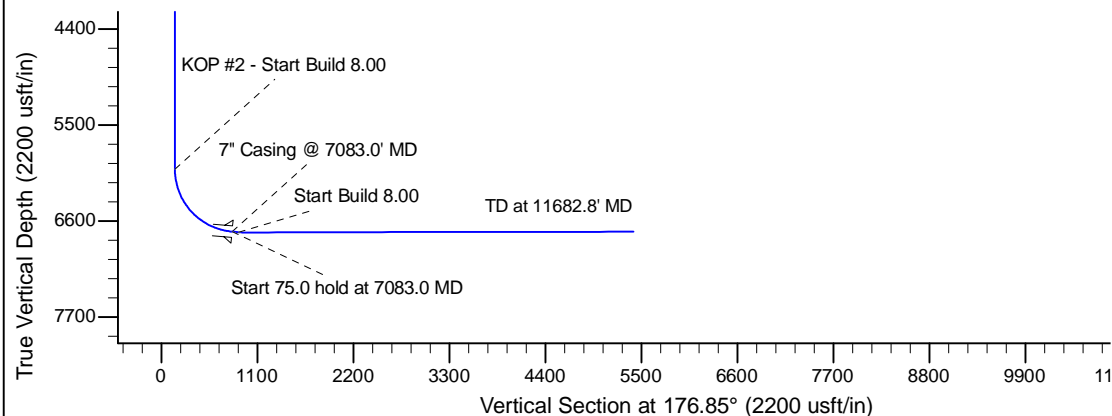
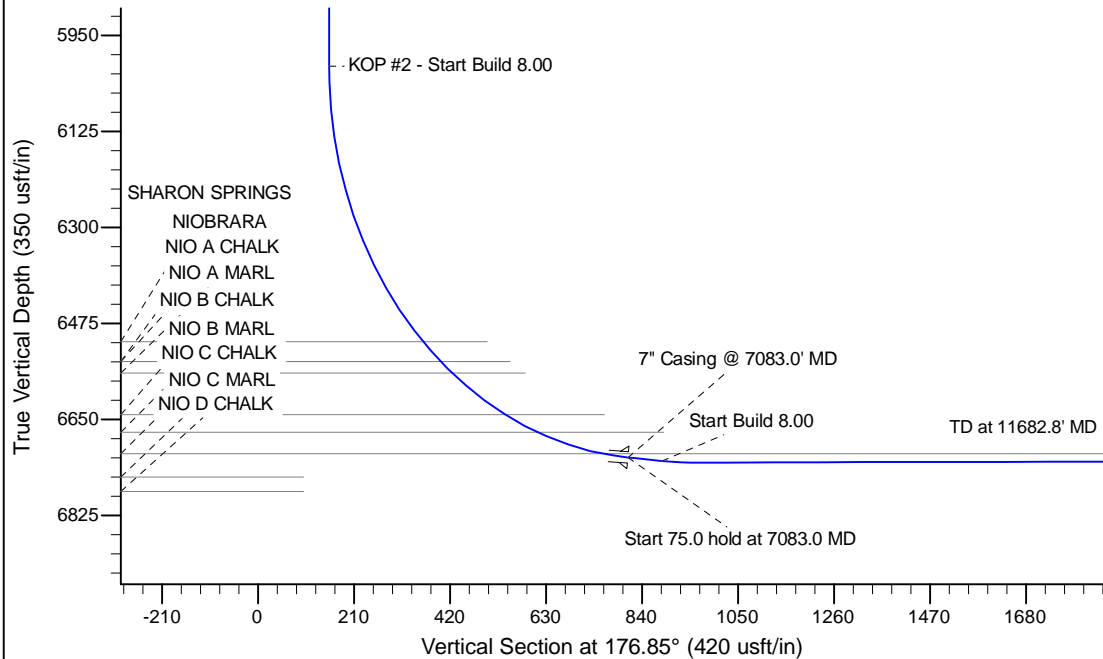
Project: Wattenberg Field
Site: AA (Sec.4-T06N-R63W) Weld County, CO
Well: Mahalo State AA09-79-1HNC
Wellbore: Original Drilling
Design: APD - Rev 0

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	2397.0	11.94	145.01	2392.7	-50.8	35.5	2.00	145.01	52.7	
4	2682.8	11.94	145.01	2672.3	-99.2	69.5	0.00	0.00	102.9	
5	3279.8	0.00	0.00	3265.0	-150.0	105.0	2.00	180.00	155.5	
6	6020.5	0.00	0.00	6005.7	-150.0	105.0	0.00	0.00	155.5	
7	7083.0	85.00	177.90	6719.1	-803.3	129.0	8.00	177.90	809.2	
8	7158.0	85.00	177.90	6725.7	-878.0	131.7	0.00	0.00	883.9	
9	7221.7	90.10	177.90	6728.4	-941.6	134.0	8.00	0.00	947.6	
10	11682.8	90.10	177.90	6720.6	-5399.7	297.6	0.00	0.00	5407.9	Mahalo State AA09-79-1HNC BHL 30'FNL, 330'FWL



WELL DETAILS: Mahalo State AA09-79-1HNC					
Ground Level: 4706.0					
0.0	0.0	Northing	Easting	Latitude	Longitude
		1429898.06	3291843.24	40.508730	-104.450420
Plan: APD - Rev 0 (Mahalo State AA09-79-1HNC/Original Drilling)					
Created By: Shailey Jewell			Date: 14:23, December 13 2013		
Checked: _____			Date: _____		
Reviewed: _____			Date: _____		
Approved: _____			Date: _____		