

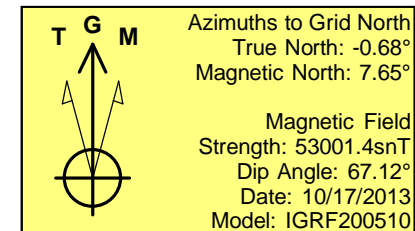
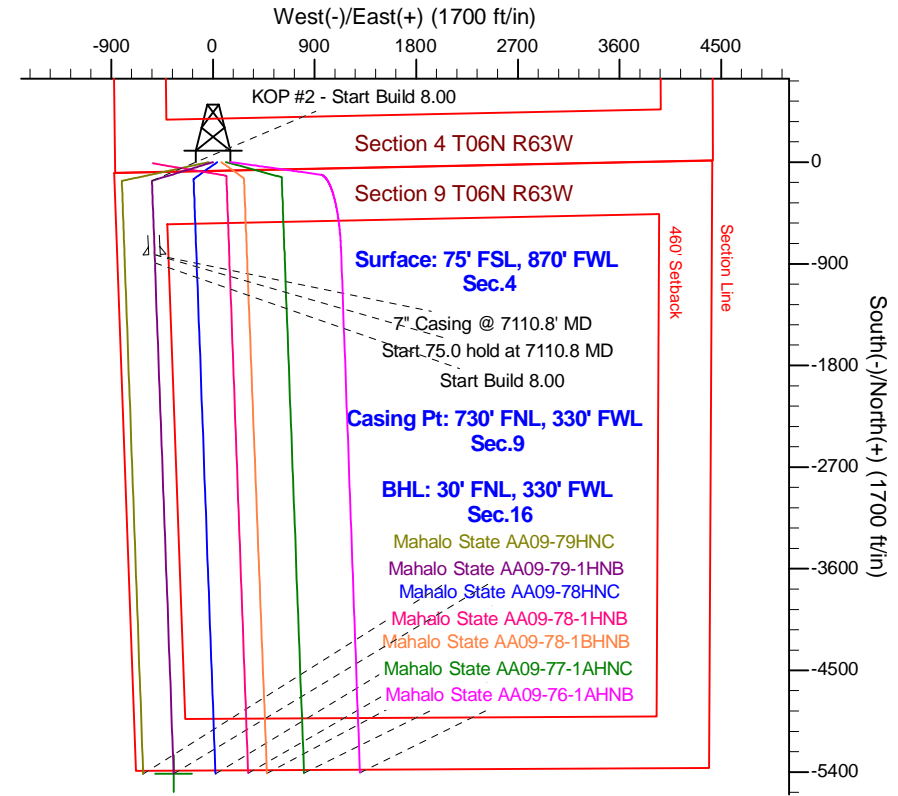
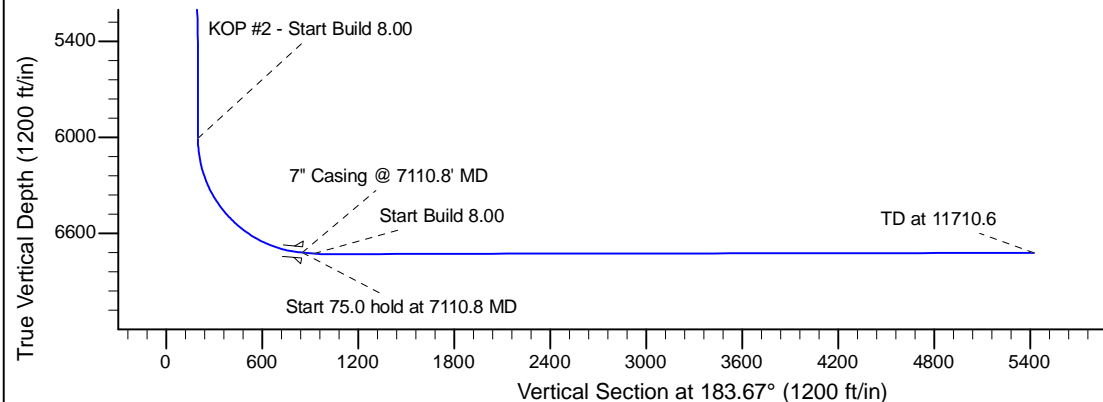
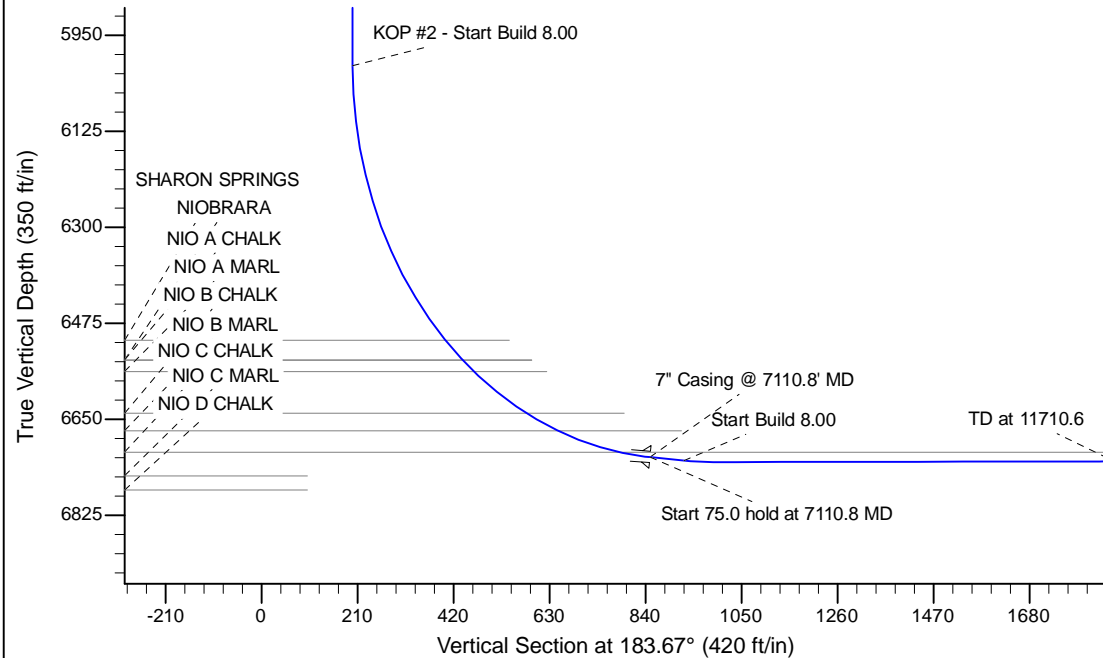
Project: Wattenberg Field  
Site: AA (Sec.4-T06N-R63W) Weld County, CO  
Well: Mahalo State AA09-79-1HNB  
Wellbore: Original Drilling  
Design: APD - Rev 1

# 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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1952.3	9.05	253.01	1950.4	-10.4	-34.1	2.00	253.01	12.6	
4	5090.5	9.05	253.01	5049.6	-154.6	-505.9	0.00	0.00	186.7	
5	5542.8	0.00	0.00	5500.0	-165.0	-540.0	2.00	180.00	199.3	
6	6048.3	0.00	0.00	6005.6	-165.0	-540.0	0.00	0.00	199.3	
7	7110.8	85.00	177.90	6719.0	-818.3	-516.0	8.00	177.90	849.7	
8	7185.8	85.00	177.90	6725.6	-893.0	-513.3	0.00	0.00	924.1	
9	7249.6	90.10	177.90	6728.3	-956.6	-511.0	8.00	0.00	987.4	
10	11710.6	90.10	177.90	6720.5	-5414.6	-347.4	0.00	0.00	5425.8	Mahalo State AA09-79-1HNC BHL 30'FNL, 330'FWL



## WELL DETAILS: Mahalo State AA09-79-1HNB

Ground Level: 4698.0					
	Northing	Easting	Latitude	Longitude	
0.0	0.0	1429913.00	3292488.22	40.508750	-104.448100

Plan: APD - Rev 1 (Mahalo State AA09-79-1HNB/Original Drilling)

Created By: Shailey Jewell Date: 16:29, September 09 2014

Checked: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_

Approved: \_\_\_\_\_ Date: \_\_\_\_\_