

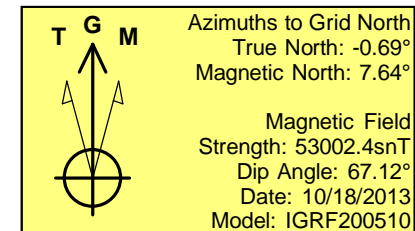
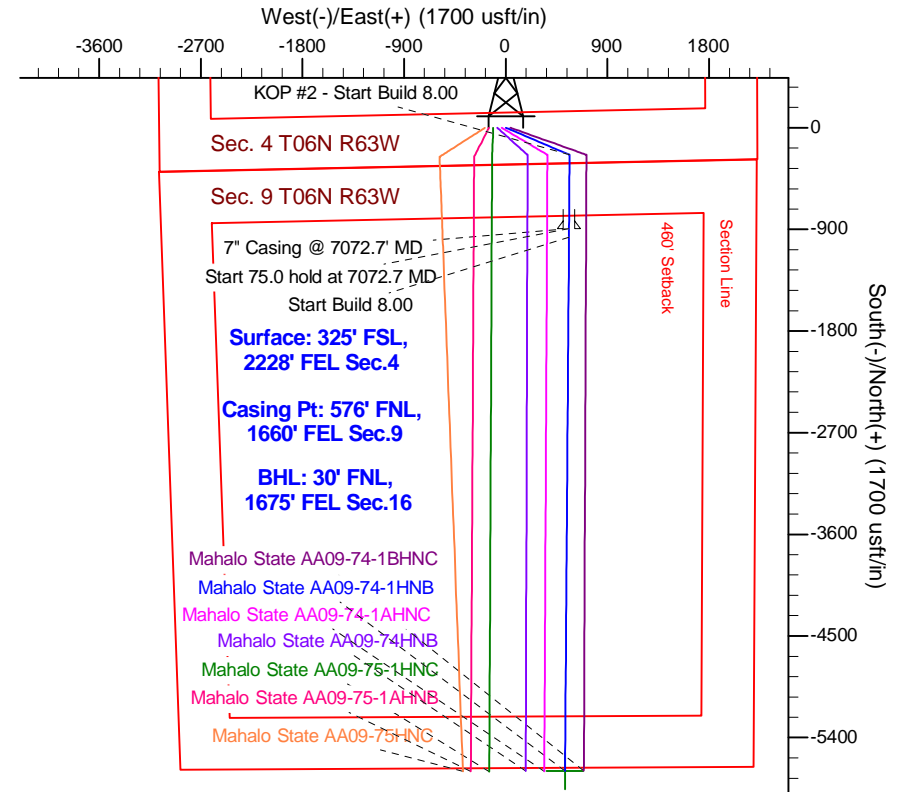
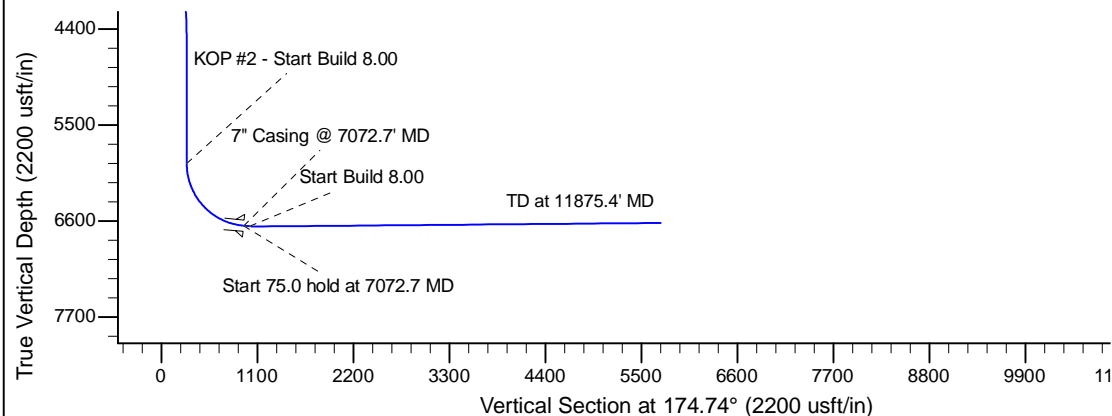
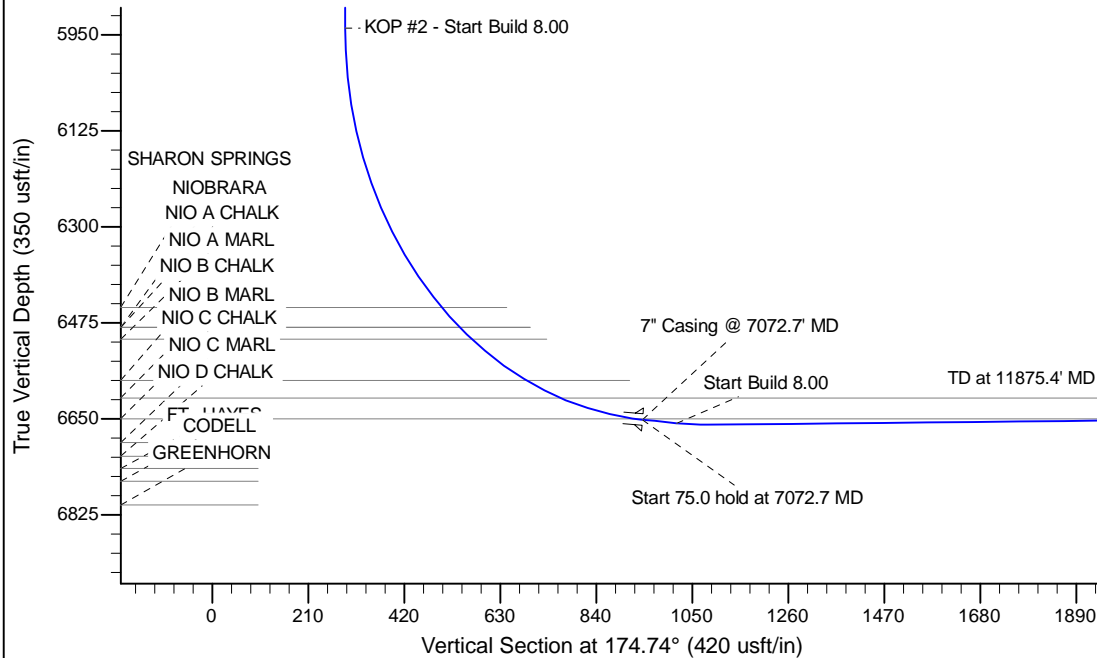
Project: Wattenberg Field  
Site: AA (Sec.4-T06N-R63W) Weld County, CO  
Well: Mahalo State AA09-74-1HNB  
Wellbore: Original Drilling  
Design: APD - Rev 0

# 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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2250.1	15.00	113.01	2241.6	-38.2	89.9	2.00	113.01	46.3	
4	3867.1	15.00	113.01	3803.4	-201.8	475.1	0.00	0.00	244.5	
5	4617.2	0.00	0.00	4545.0	-240.0	565.0	2.00	180.00	290.8	
6	6010.2	0.00	0.00	5938.0	-240.0	565.0	0.00	0.00	290.8	
7	7072.7	85.00	180.43	6651.5	-893.8	560.1	8.00	180.43	941.3	
8	7147.7	85.00	180.43	6658.1	-968.5	559.6	0.00	0.00	1015.7	
9	7216.5	90.50	180.43	6660.8	-1037.1	559.0	8.00	0.00	1084.0	
10	11875.4	90.50	180.43	6620.1	-5695.7	524.2	0.00	0.00	5719.8	Mahalo State AA09-74-1HNB BHL 30'FNL, 1675'FEL



## WELL DETAILS: Mahalo State AA09-74-1HNB

Ground Level: 4694.0		Latitude		Longitude	
0.0	0.0	1430208.79	3294687.11	40.509490	-104.440180

Plan: APD - Rev 0 (Mahalo State AA09-74-1HNB/Original Drilling)

Created By: Shailey Jewell Date: 9:40, December 10 2013

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

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

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