

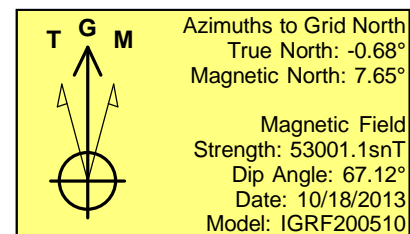
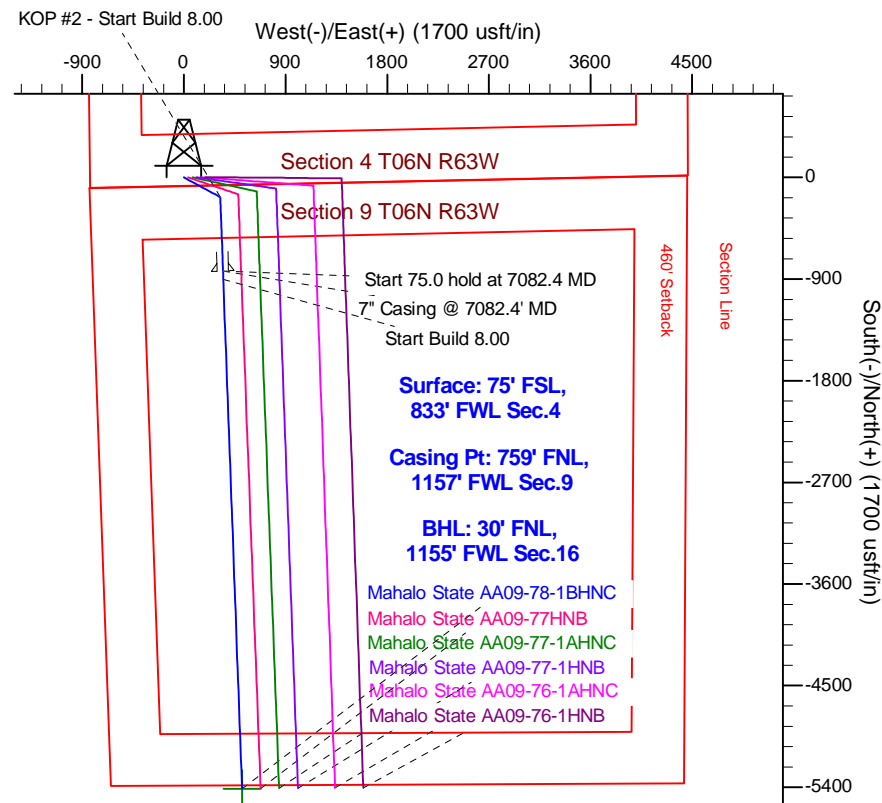
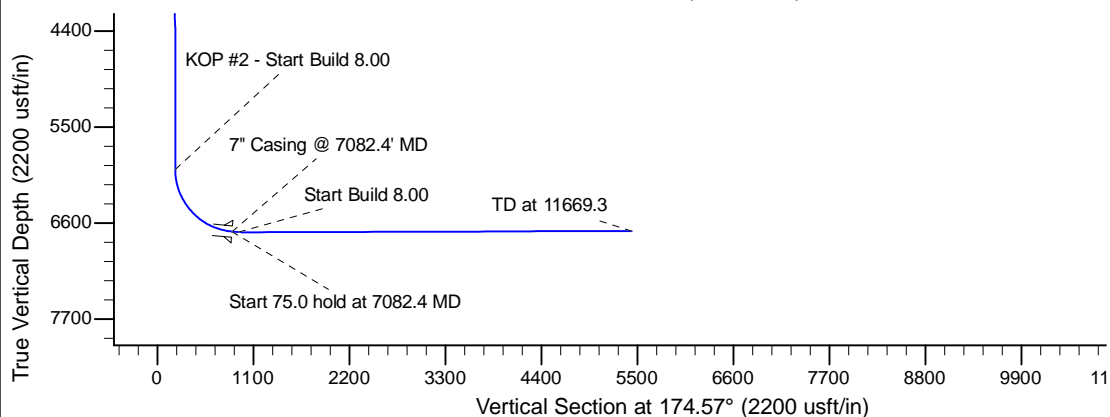
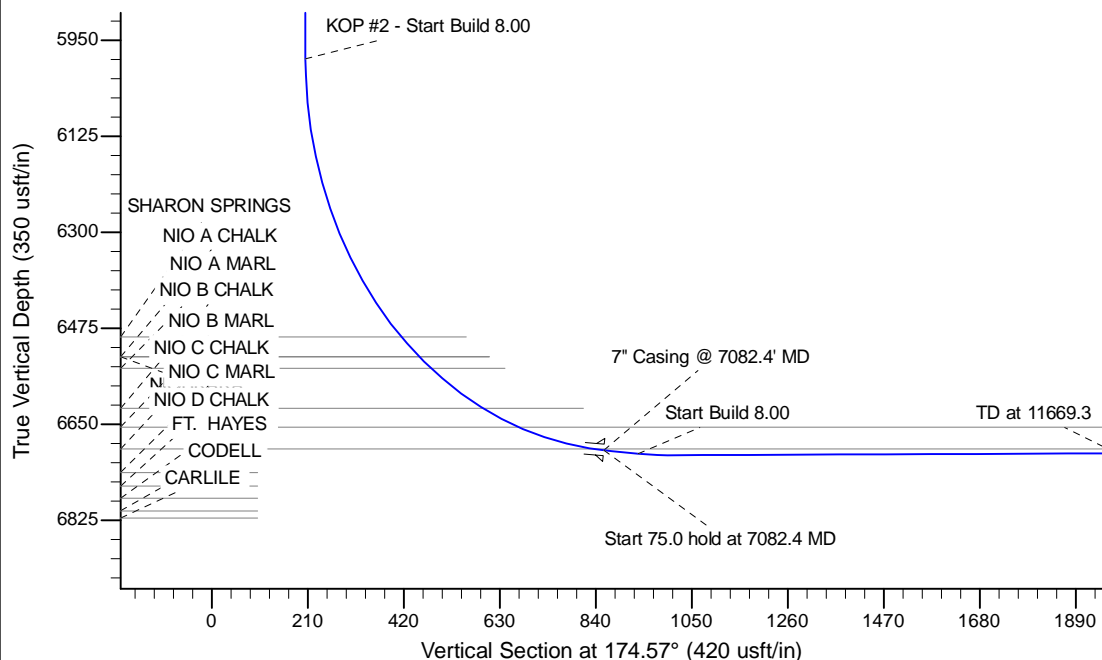
Project: Wattenberg Field
Site: AA (Sec.4-T06N-R63W) Weld County, CO
Well: Mahalo State AA09-78-1BHNC
Wellbore: Original Drilling
Design: APD - Rev 0

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	Vsect	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	2850.1	13.00	118.52	2844.6	-35.1	64.5	2.00	118.52	41.0	
4	3826.0	13.00	118.52	3795.4	-139.9	257.5	0.00	0.00	163.7	
5	4476.2	0.00	0.00	4440.0	-175.0	322.0	2.00	180.00	204.7	
6	6019.9	0.00	0.00	5983.8	-175.0	322.0	0.00	0.00	204.7	
7	7082.4	85.00	177.89	6697.3	-828.3	346.1	8.00	177.89	857.4	
8	7157.4	85.00	177.89	6703.8	-903.0	348.8	0.00	0.00	932.0	
9	7222.4	90.20	177.89	6706.5	-967.9	351.2	8.00	0.00	996.8	
10	11669.3	90.20	177.89	6691.0	-5411.7	514.8	0.00	0.00	5436.1	Mahalo State AA09-78-1BHNC BHL 30'FNL, 1155'FWL



WELL DETAILS: Mahalo State AA09-78-1BHNC

Ground Level: 4699.0				
	Northing	Easting	Latitude	Longitude
0.0	0.0	1429912.56	3292452.08	40.508750 -104.448230

Plan: APD - Rev 0 (Mahalo State AA09-78-1BHNC/Original Drilling)

Created By: Shailey Jewell Date: 12:51, December 09 2013

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____