

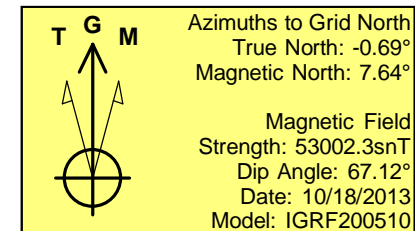
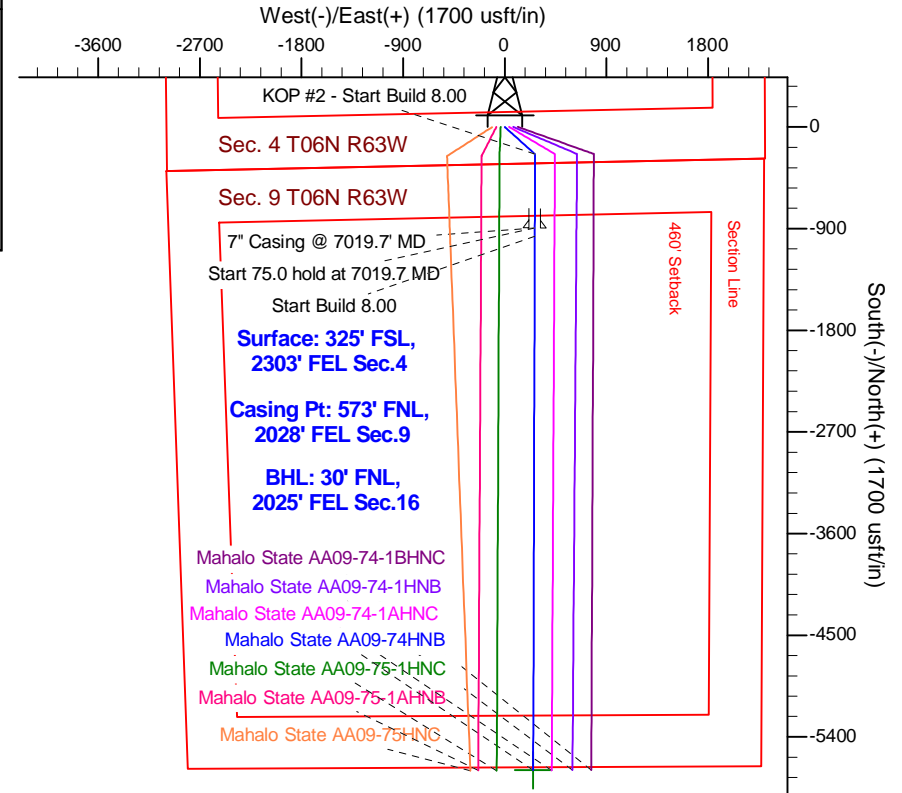
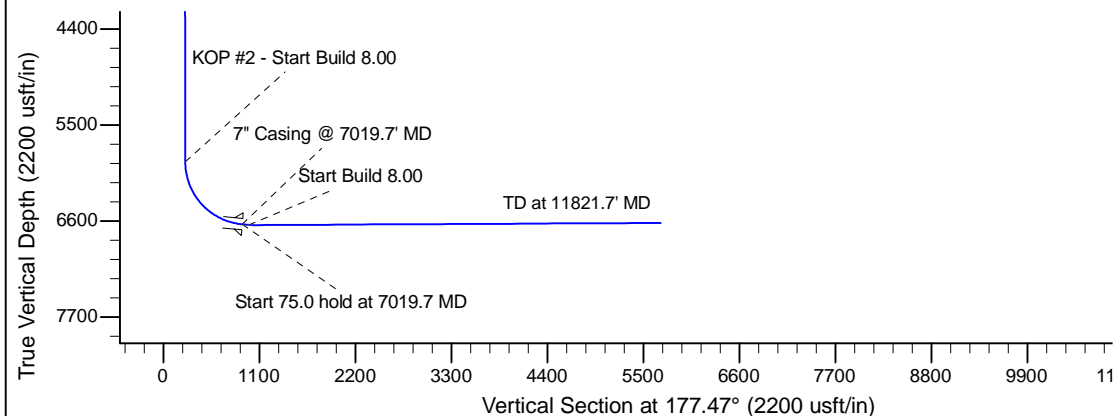
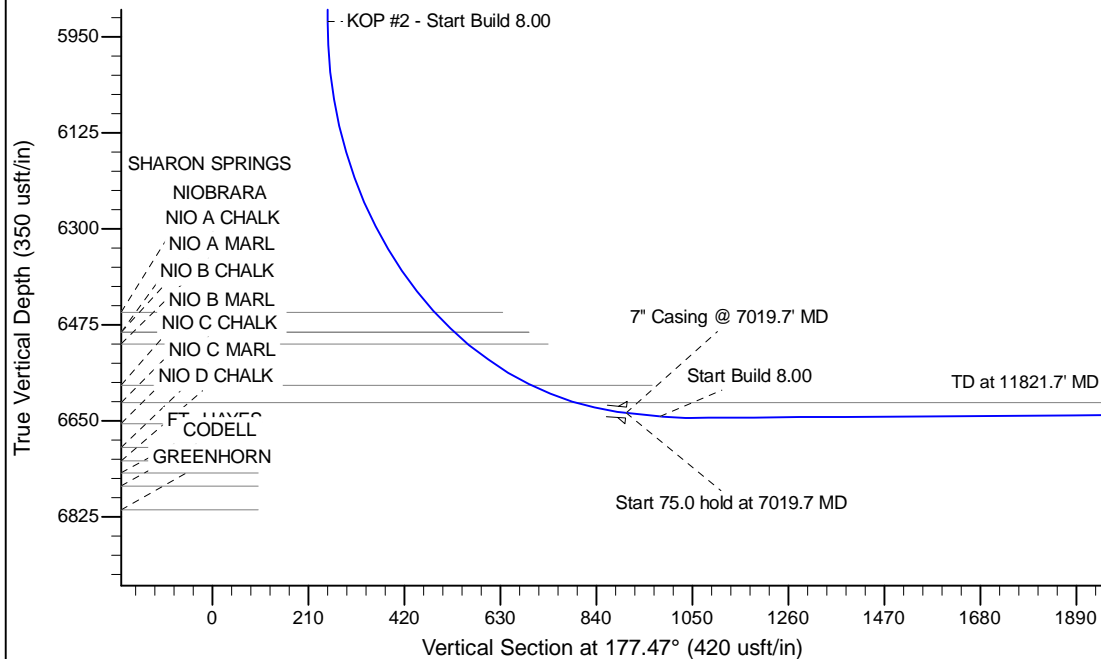
Project: Wattenberg Field
Site: AA (Sec.4-T06N-R63W) Weld County, CO
Well: Mahalo State AA09-74HNB
Wellbore: Original Drilling
Design: APD - Rev 0

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	2200.0	0.00	0.00	2200.0	0.0	0.0	0.00	0.00	0.0	
3	2850.7	13.01	131.85	2845.2	-49.1	54.8	2.00	131.85	51.5	
4	3794.7	13.01	131.85	3764.8	-190.9	213.2	0.00	0.00	200.1	
5	4445.4	0.00	0.00	4410.0	-240.0	268.0	2.00	180.00	251.6	
6	5957.2	0.00	0.00	5921.8	-240.0	268.0	0.00	0.00	251.6	
7	7019.7	85.00	180.17	6635.3	-893.8	266.0	8.00	180.17	904.6	
8	7094.7	85.00	180.17	6641.8	-968.5	265.8	0.00	0.00	979.3	
9	7160.9	90.30	180.17	6644.5	-1034.7	265.6	8.00	0.00	1045.4	
10	11821.7	90.30	180.17	6620.1	-5695.3	251.6	0.00	0.00	5700.9	Mahalo State AA09-74HNB BHL 30'FNL, 2025'FEL



WELL DETAILS: Mahalo State AA09-74HNB					
Ground Level: 4694.0					
0.0	0.0	Northing	Easting	Latitude	Longitude
		1430207.89	3294612.04	40.509490	-104.440450
Plan: APD - Rev 0 (Mahalo State AA09-74HNB/Original Drilling)					
Created By: Shailey Jewell			Date: 9:58, December 10 2013		
Checked: _____			Date: _____		
Reviewed: _____			Date: _____		
Approved: _____			Date: _____		