

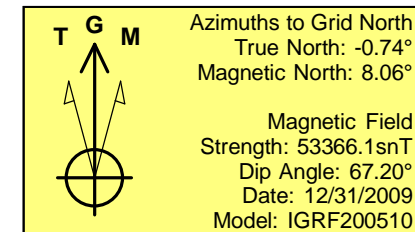
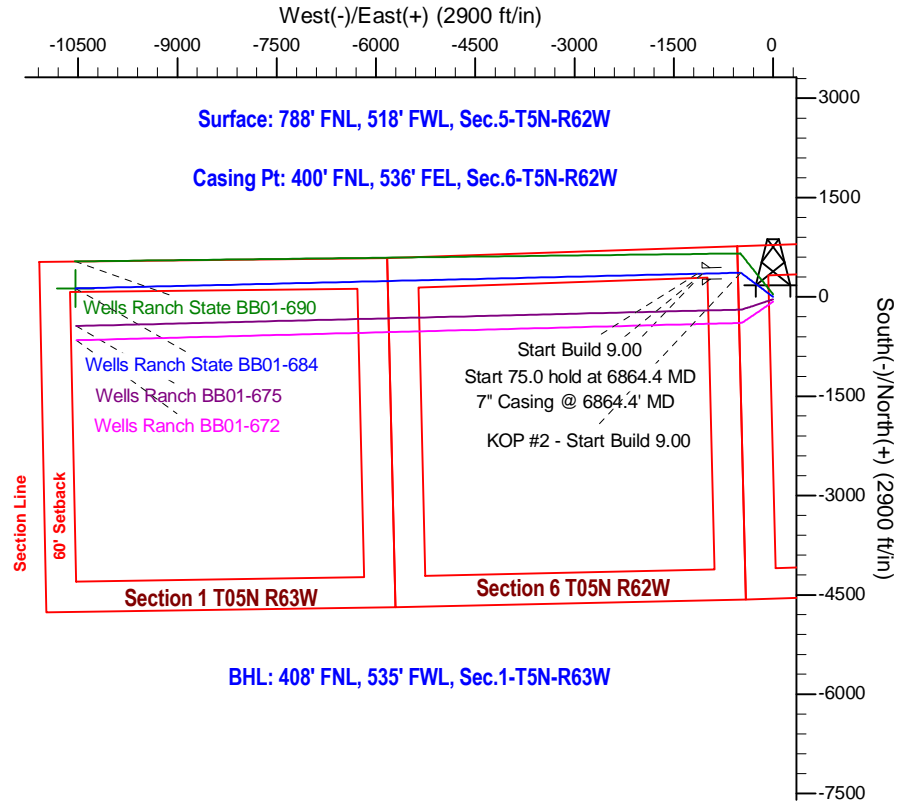
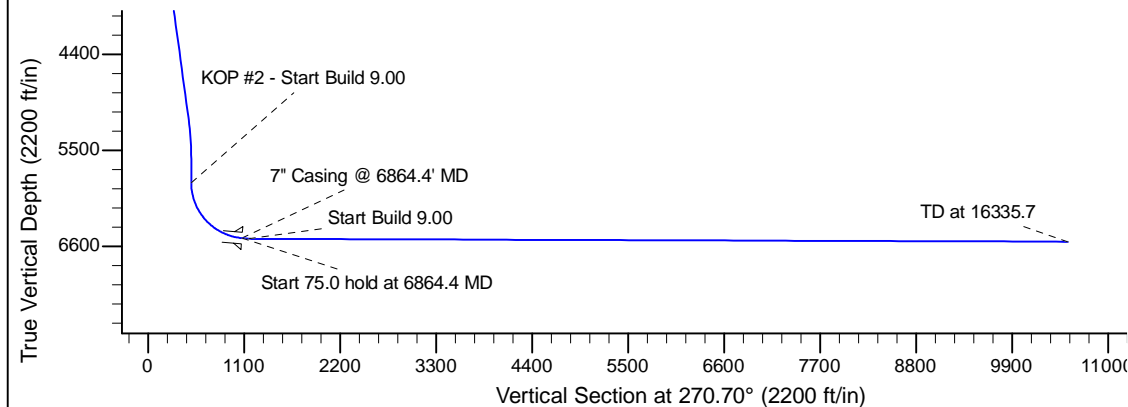
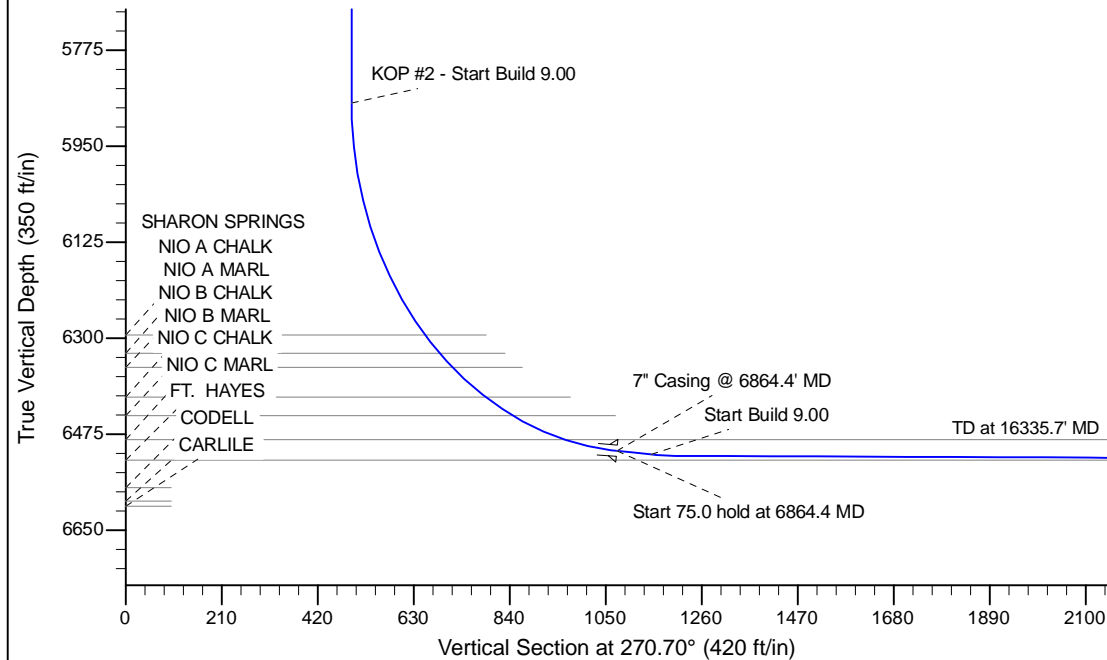
Project: Wattenberg Field  
Site: BB (Sec.5-T05N-R62W) Weld County, CO  
Well: Wells Ranch State BB01-684  
Wellbore: Original Drilling  
Design: APD - Rev 0

# 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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1979.0	9.58	306.68	1976.8	23.9	-32.0	2.00	306.68	32.3	
4	5169.9	9.58	306.68	5123.2	341.1	-458.0	0.00	0.00	462.1	
5	5649.0	0.00	0.00	5600.0	365.0	-490.0	2.00	180.00	494.4	
6	5920.0	0.00	0.00	5871.0	365.0	-490.0	0.00	0.00	494.4	
7	6864.4	85.00	268.65	6505.2	351.3	-1071.0	9.00	268.65	1075.2	
8	6939.4	85.00	268.65	6511.8	349.6	-1145.7	0.00	0.00	1149.8	
9	6992.8	89.80	268.65	6514.2	348.3	-1198.9	9.00	0.00	1203.1	
10	16335.7	89.80	268.65	6546.8	128.5	-10539.2	0.00	0.00	10540.0	Wells Ranch State BB01-684 BHL 408'FNL, 535'FWL



WELL DETAILS: Wells Ranch State BB01-684					
Ground Level: 4701.0					
Northing		Easting		Latitude	
0.0		0.0		40.433780	
1402924.27		3318734.95		-104.354970	
Plan: APD - Rev 0 (Wells Ranch State BB01-684/Original Drilling)					
Created By: Shailey Jewell			Date: 7:09, April 21 2015		
OK to submit with 2A as per Noble Drilling 4/21/2015 7:13					