

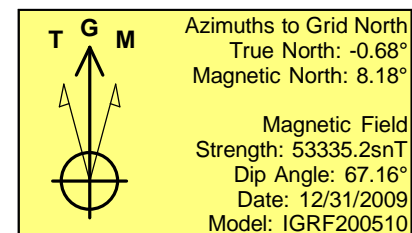
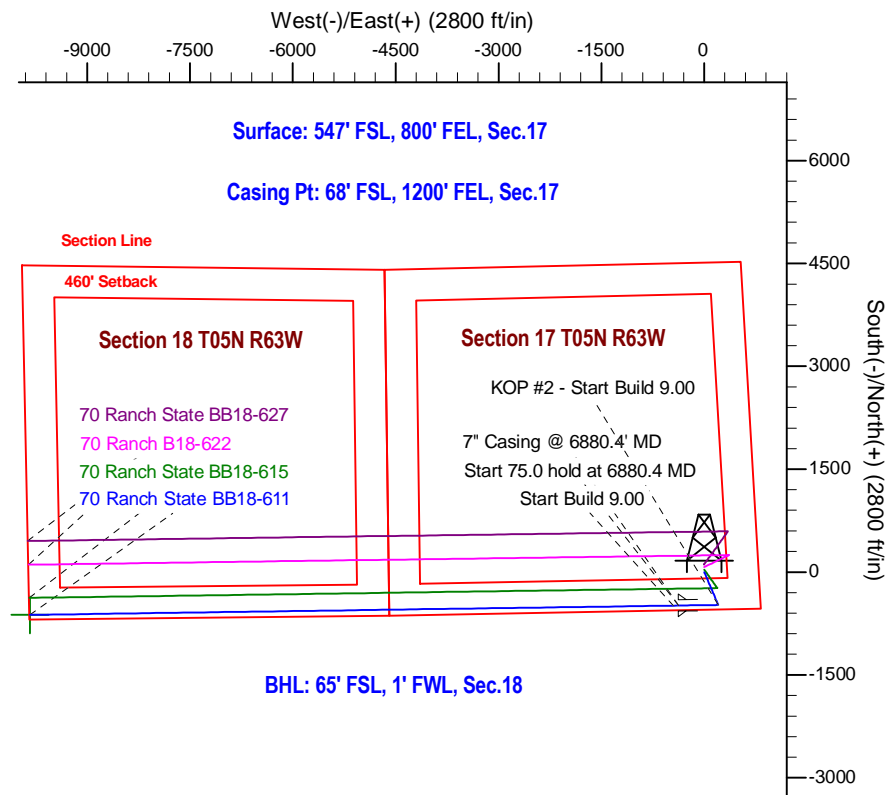
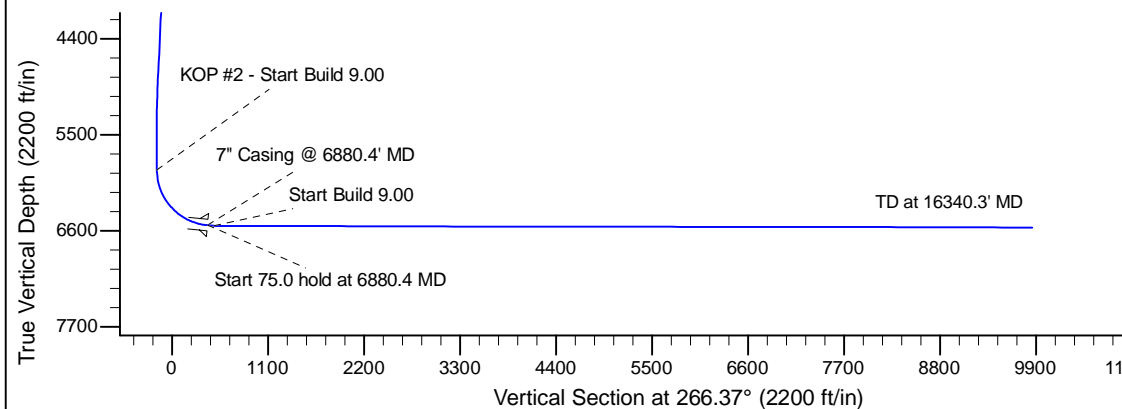
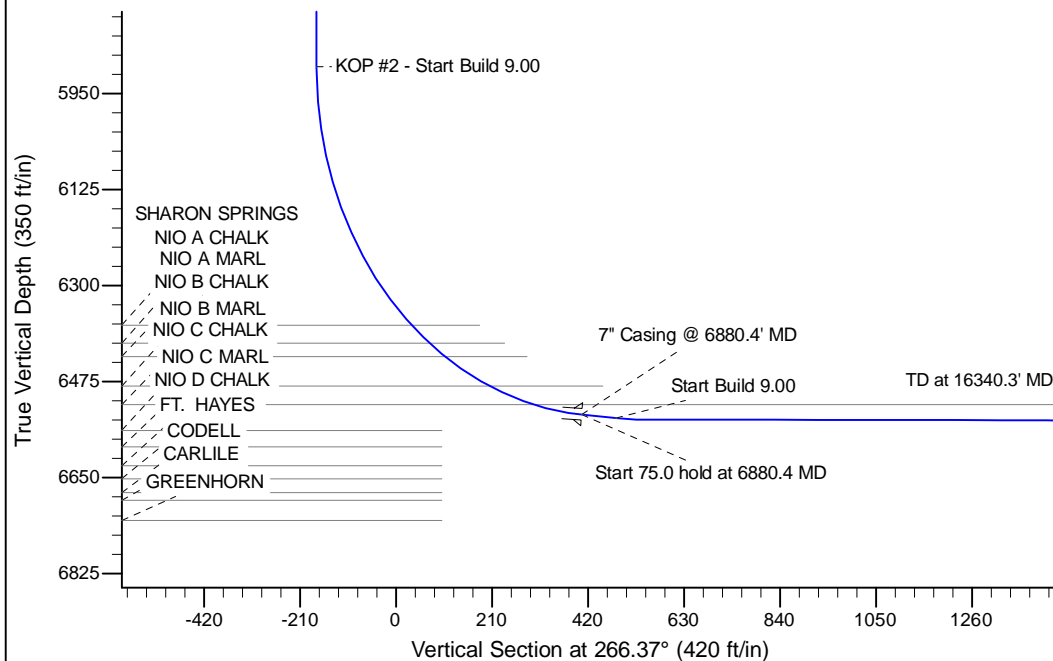
Project: Wattenberg Field
 Site: BB (Sec.17-T05N-R63W) Weld County, CO
 Well: 70 Ranch State BB18-611
 Wellbore: Original Drilling
 Design: APD - Rev 1

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1599.9	8.00	156.87	1598.6	-25.6	10.9	2.00	156.87	-9.3	
4	4950.3	8.00	156.87	4916.4	-454.4	194.1	0.00	0.00	-164.9	
5	5350.2	0.00	0.00	5315.0	-480.0	205.0	2.00	180.00	-174.2	
6	5935.9	0.00	0.00	5900.8	-480.0	205.0	0.00	0.00	-174.2	
7	6880.4	85.00	269.18	6535.0	-488.3	-376.1	9.00	269.18	406.3	
8	6955.4	85.00	269.18	6541.5	-489.4	-450.8	0.00	0.00	480.9	
9	7009.8	89.90	269.18	6543.9	-490.2	-505.2	9.00	0.00	535.2	
10	16340.3	89.90	269.18	6560.2	-624.2	-9834.6	0.00	0.00	9854.4	70 Ranch BB18-611 BHL 65'FSL, 1'FWL



WELL DETAILS: 70 Ranch State BB18-611					
Ground Level: 4645.0					
0.0	0.0	Northing	Eastng	Latitude	Longitude
		1387930.23	3291445.84	40.393550	-104.453630
Plan: APD - Rev 1 (70 Ranch State BB18-611/Original Drilling)					
Created By: Shailey Jewell			Date: 10:28, January 22 2015		
Checked: _____			Date: _____		
Reviewed: _____			Date: _____		
Approved: _____			Date: _____		