

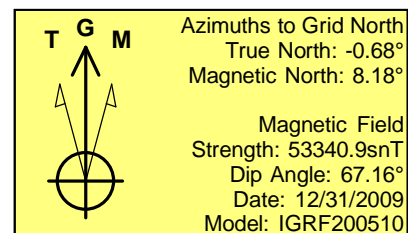
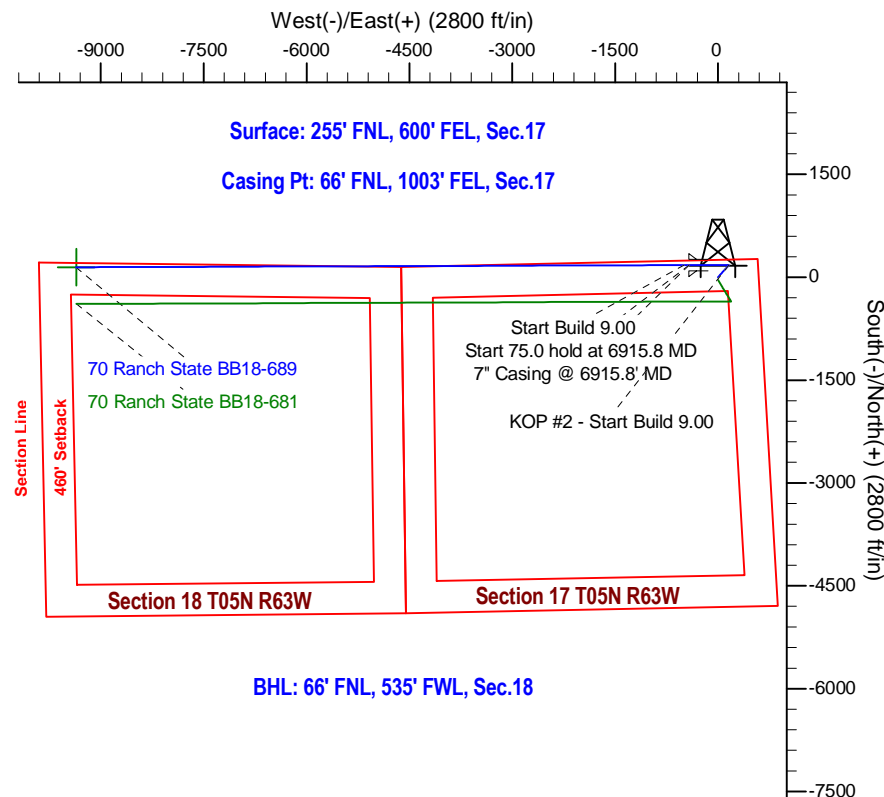
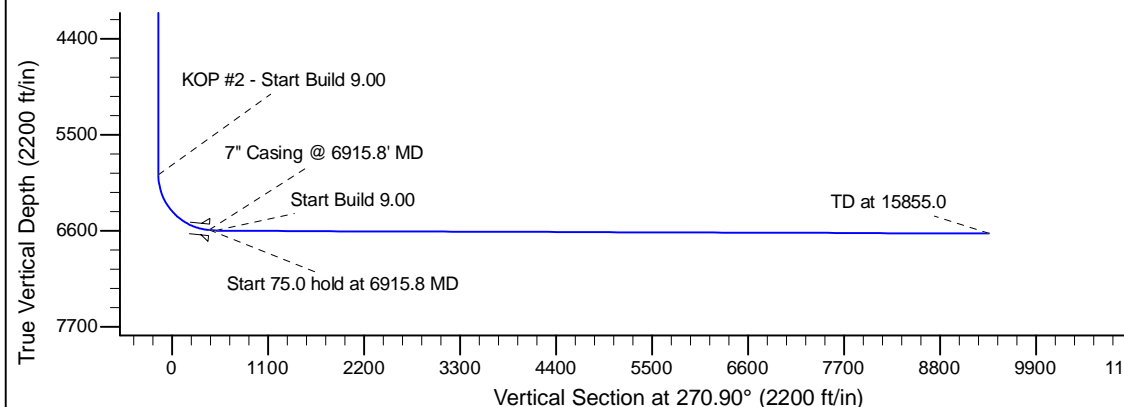
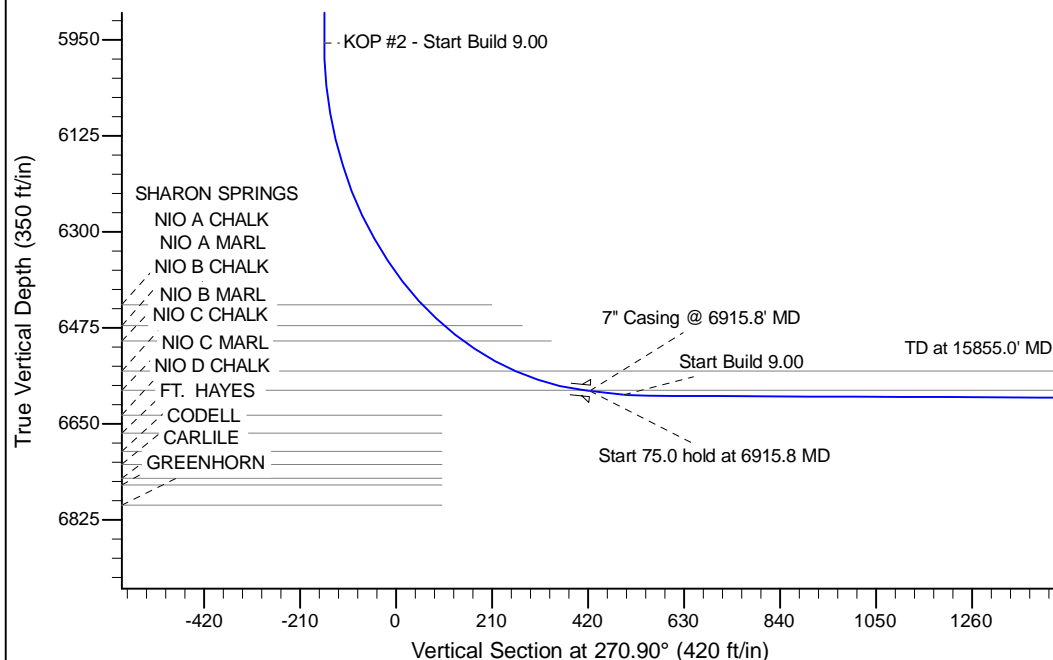
Project: Wattenberg Field
 Site: BB (Sec.17-T05N-R63W) Weld County, CO
 Well: 70 Ranch State BB18-689
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2199.8	8.00	41.63	2198.5	20.8	18.5	2.00	41.63	-18.2	
4	3530.8	8.00	41.63	3516.5	159.2	141.5	0.00	0.00	-139.0	
5	3930.5	0.00	0.00	3915.0	180.0	160.0	2.00	180.00	-157.2	
6	5971.3	0.00	0.00	5955.8	180.0	160.0	0.00	0.00	-157.2	
7	6915.8	85.00	269.80	6590.0	177.9	-421.1	9.00	269.80	423.9	
8	6990.8	85.00	269.80	6596.5	177.7	-495.8	0.00	0.00	498.6	
9	7044.1	89.80	269.80	6598.9	177.5	-549.1	9.00	0.00	551.8	
10	15855.0	89.80	269.80	6629.7	146.4	-9359.9	0.00	0.00	9361.0	70 Ranch State BB18-689 BHL 66'FNL, 535'FWL



WELL DETAILS: 70 Ranch State BB18-689				
Ground Level: 4697.0				
0.0	0.0	Northing	Eastings	Latitude
1392188.64	3291401.16	40.405240	-104.453610	
Plan: APD - Rev 0 (70 Ranch State BB18-689/Original Drilling)				
Created By: Shailey Jewell		Date: 6:32, January 23 2015		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		