

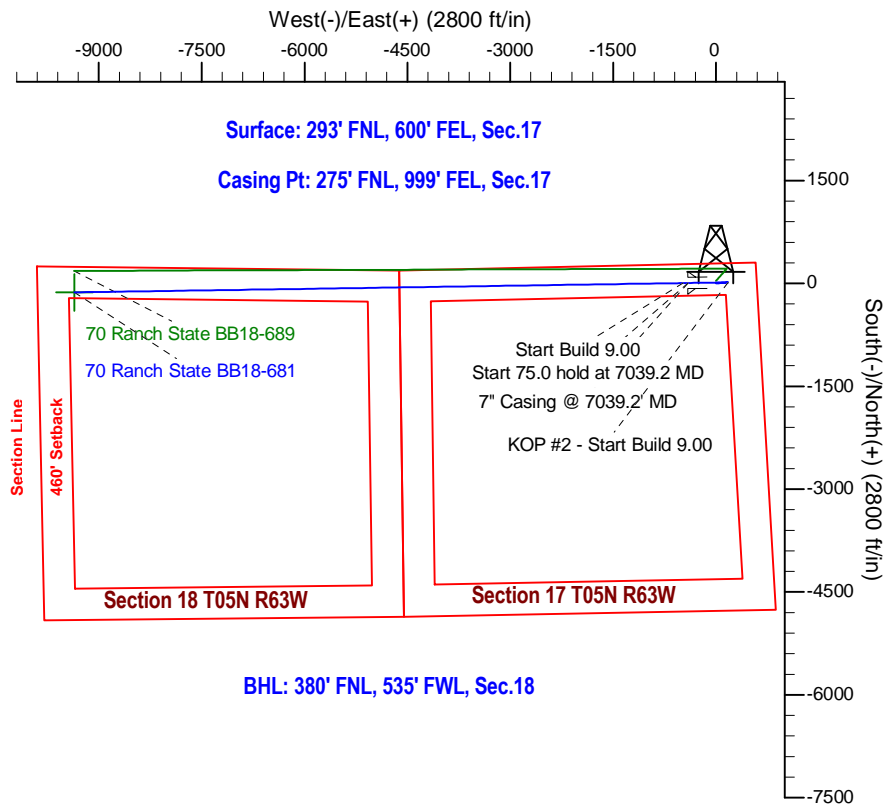
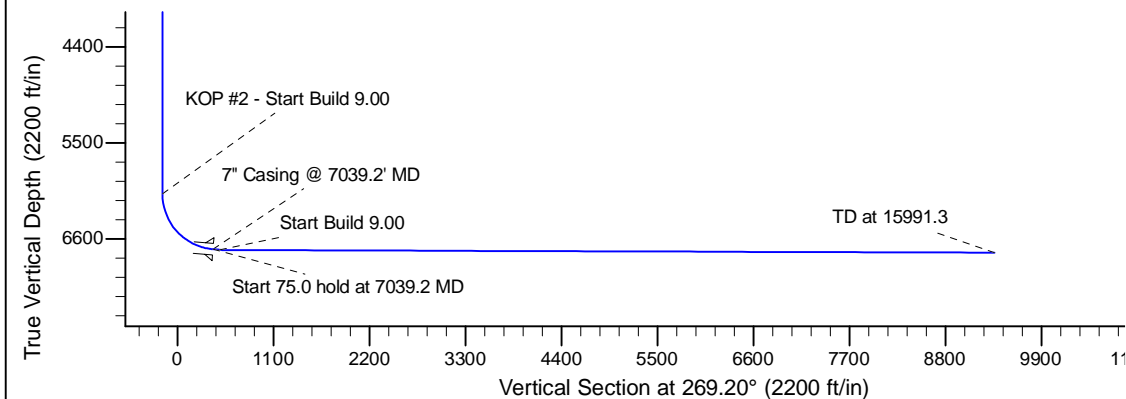
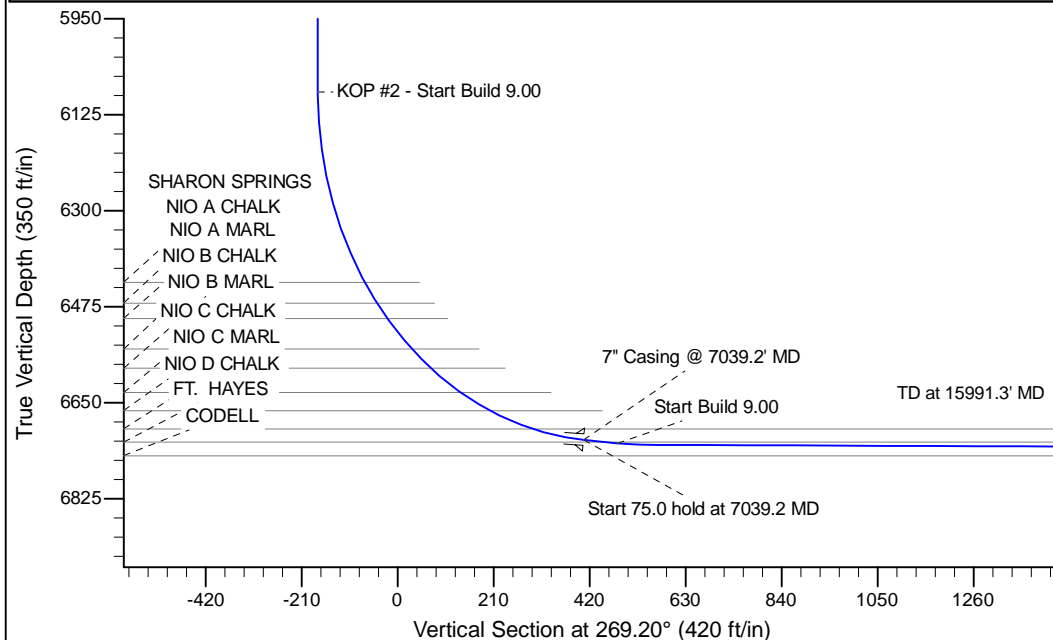
Project: Wattenberg Field  
 Site: BB (Sec.17-T05N-R63W) Weld County, CO  
 Well: 70 Ranch State BB18-681  
 Wellbore: Original Drilling  
 Design: APD - Rev 1

# Northern Region Drilling - Working

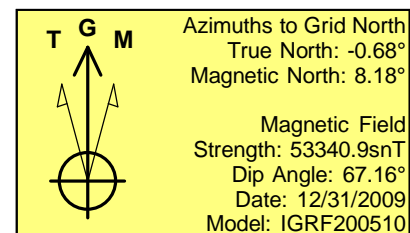
Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Colorado Northern Zone  
 System Datum: Mean Sea Level

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	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	2600.2	8.00	85.10	2598.9	2.4	27.8	2.00	85.10	-27.8	
4	3460.8	8.00	85.10	3451.1	12.6	147.2	0.00	0.00	-147.4	
5	3861.0	0.00	0.00	3850.0	15.0	175.0	2.00	180.00	-175.2	
6	6094.7	0.00	0.00	6083.7	15.0	175.0	0.00	0.00	-175.2	
7	7039.2	85.00	269.13	6717.9	6.1	-406.1	9.00	269.13	405.9	
8	7114.2	85.00	269.13	6724.5	5.0	-480.8	0.00	0.00	480.7	
9	7167.5	89.80	269.13	6726.9	4.2	-534.0	9.00	0.00	533.9	
10	15991.3	89.80	269.13	6757.7	-130.5	-9356.7	0.00	0.00	9357.7	70 Ranch State BB18-681 Rev BHL 380'FNL, 535'FWL



BHL: 380' FNL, 535' FWL, Sec.18



WELL DETAILS: 70 Ranch State BB18-681				
Ground Level: 4699.0				
0.0	0.0	Northing	Easting	Latitude
		1392152.21	3291401.59	40.405140
				Longitude
				-104.453610
Plan: APD - Rev 1 (70 Ranch State BB18-681/Original Drilling)				
Created By: Shailey Jewell		Date: 9:53, February 27 2015		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		