

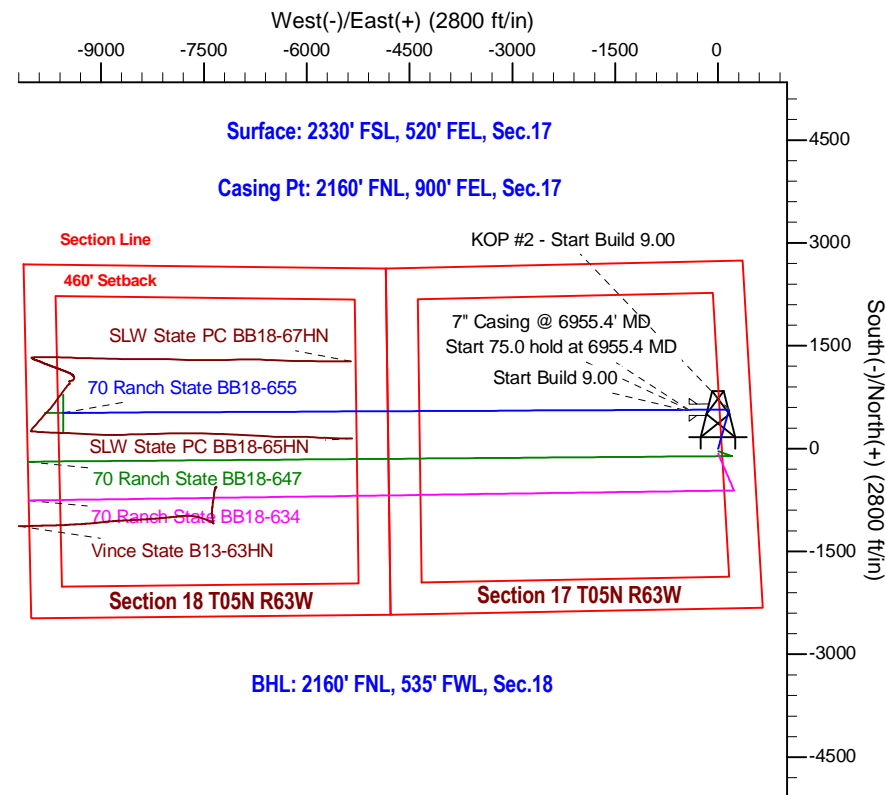
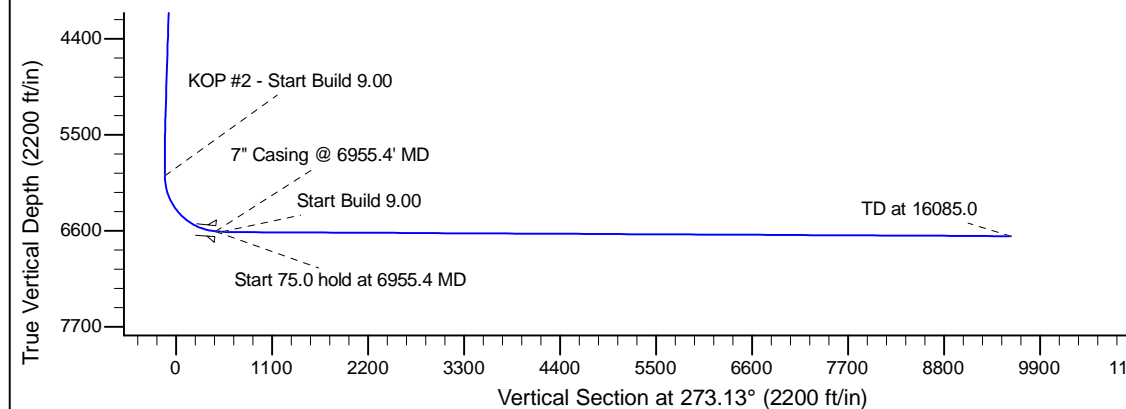
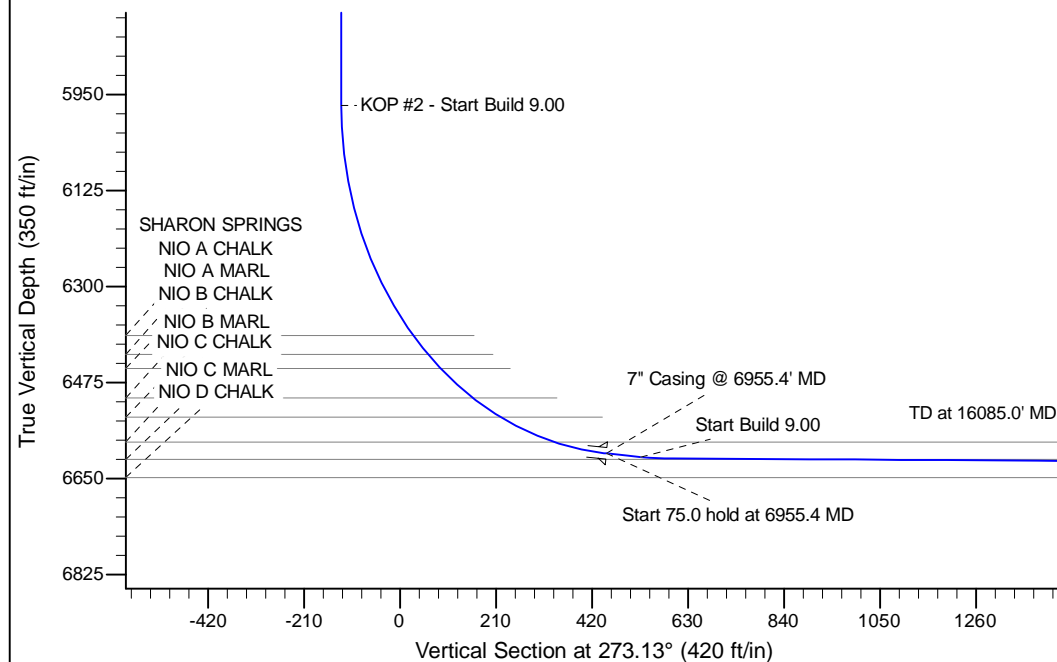
Project: Wattenberg Field
Site: BB (Sec.17-T05N-R63W) Weld County, CO
Well: 70 Ranch State BB18-655
Wellbore: Original Drilling
Design: APD - Rev 1

Northern Region Drilling - Working

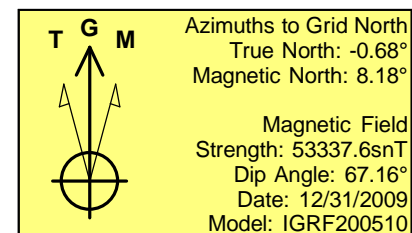
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level

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	1612.1	8.24	15.68	1610.7	28.5	8.0	2.00	15.68	-6.4	
4	5329.1	8.24	15.68	5289.3	541.5	152.0	0.00	0.00	-122.2	
5	5741.2	0.00	0.00	5700.0	570.0	160.0	2.00	180.00	-128.6	
6	6010.9	0.00	0.00	5969.7	570.0	160.0	0.00	0.00	-128.6	
7	6955.4	85.00	269.72	6603.9	567.1	-421.1	9.00	269.72	451.5	
8	7030.4	85.00	269.72	6610.5	566.8	-495.8	0.00	0.00	526.1	
9	7082.6	89.70	269.72	6612.9	566.5	-548.0	9.00	0.00	578.1	
0	16085.0	89.70	269.72	6660.0	522.3	-9550.1	0.00	0.00	9564.4	70 Ranch State BB18-655 Rev BHL 2160'FNL, 535'FWL



BHL: 2160' FNL, 535' FWL, Sec.18



WELL DETAILS: 70 Ranch State BB18-655					
Ground Level: 4668.0					
0.0	0.0	Northing	Easting	Latitude	Longitude
		1389713.89	3291625.34	40.398440	-104.452910
Plan: APD - Rev 1 (70 Ranch State BB18-655/Original Drilling)					
Created By: Shailey Jewell			Date: 13:43, March 26 2015		
Checked: _____			Date: _____		
Reviewed: _____			Date: _____		
Approved: _____			Date: _____		