

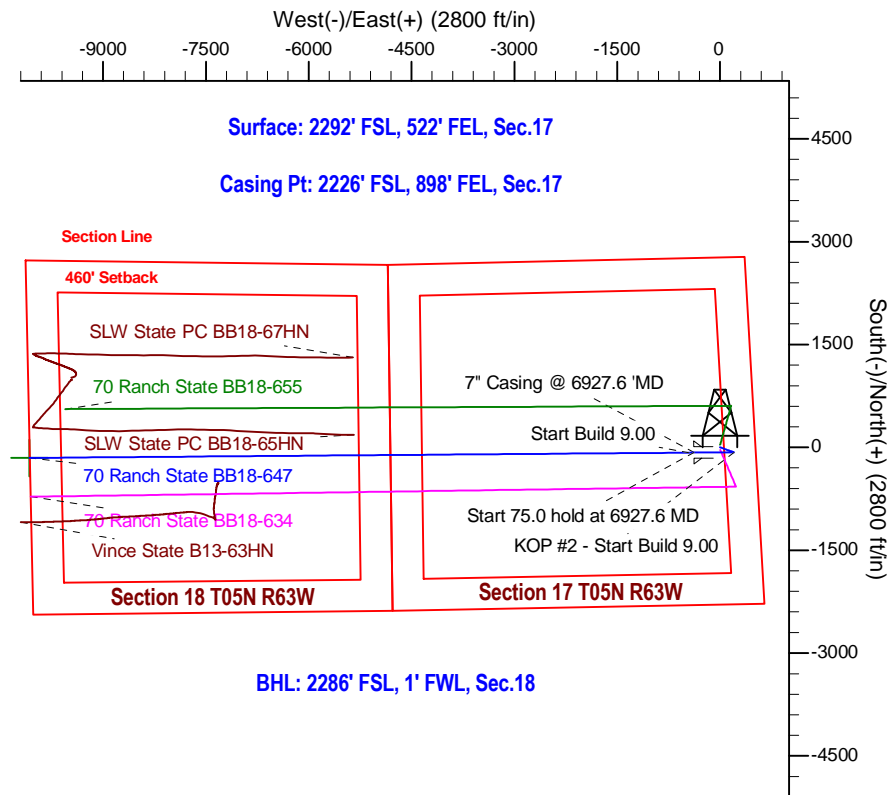
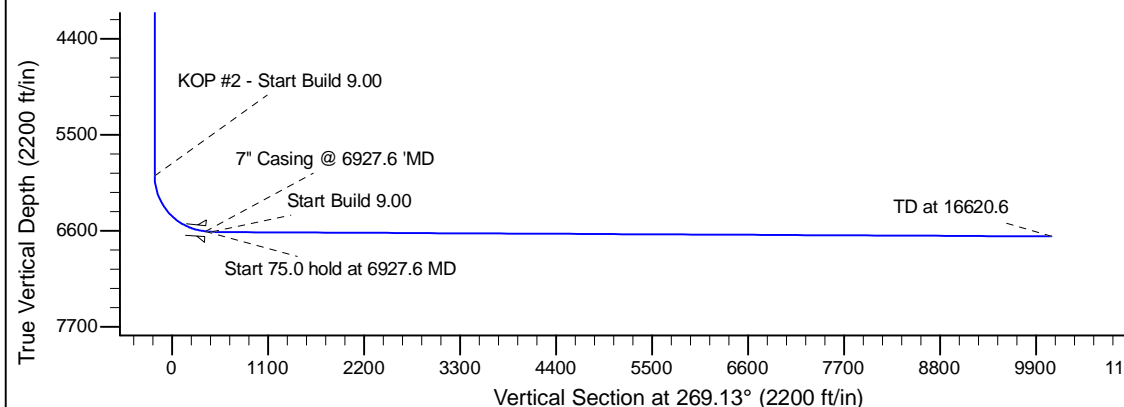
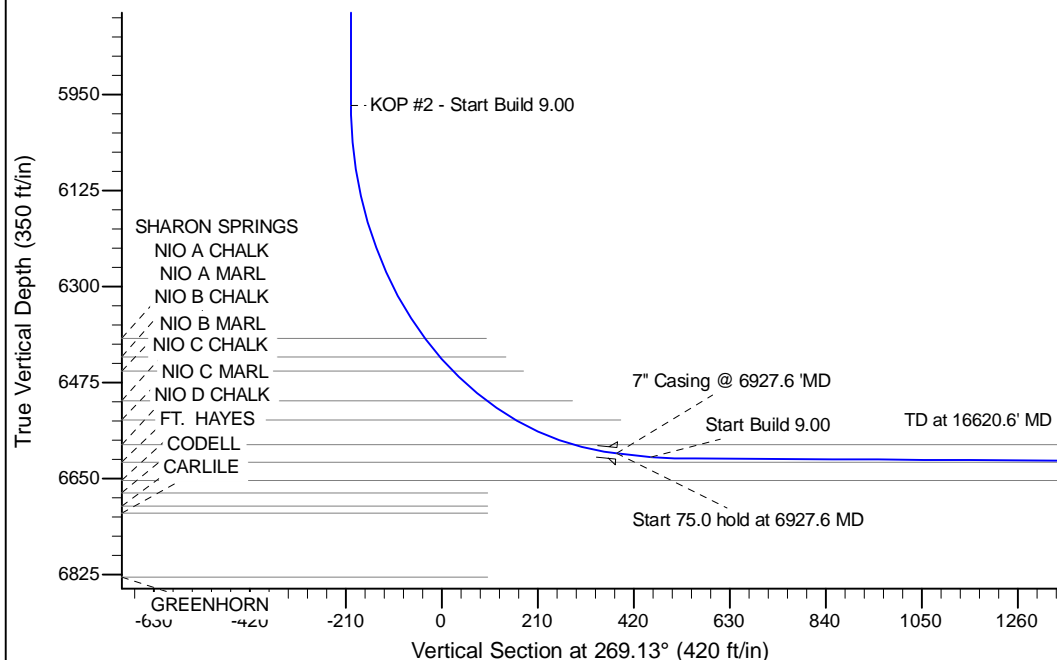
Project: Wattenberg Field
 Site: BB (Sec.17-T05N-R63W) Weld County, CO
 Well: 70 Ranch State BB18-647
 Wellbore: Original Drilling
 Design: APD - Rev 2

Northern Region Drilling - Working

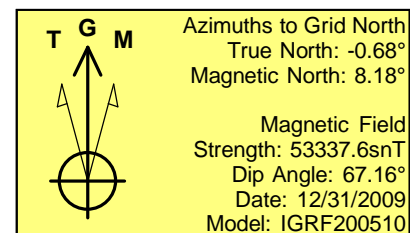
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level

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	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2201.1	8.02	109.80	2199.8	-9.5	26.4	2.00	109.80	-26.2	
4	3322.5	8.02	109.80	3310.2	-62.5	173.6	0.00	0.00	-172.7	
5	3723.6	0.00	0.00	3710.0	-72.0	200.0	2.00	180.00	-198.9	
6	5983.2	0.00	0.00	5969.6	-72.0	200.0	0.00	0.00	-198.9	
7	6927.6	85.00	269.55	6603.8	-76.6	-381.1	9.00	269.55	382.2	
8	7002.6	85.00	269.55	6610.3	-77.2	-455.8	0.00	0.00	457.0	
9	7054.8	89.70	269.55	6612.7	-77.6	-508.0	9.00	0.00	509.1	
10	16620.6	89.70	269.55	6662.8	-153.3	-10073.3	0.00	0.00	10074.5	70 Ranch State BB18-647 BHL 2286'FSL, 1'FWL



BHL: 2286' FSL, 1' FWL, Sec.18



WELL DETAILS: 70 Ranch State BB18-647					
Ground Level: 4667.0					
0.0	0.0	Northing	Eastng	Latitude	Longitude
		1389677.46	3291625.77	40.398340	-104.452910
Plan: APD - Rev 2 (70 Ranch State BB18-647/Original Drilling)					
Created By: Shailey Jewell			Date: 8:44, April 01 2015		
Checked: _____			Date: _____		
Reviewed: _____			Date: _____		
Approved: _____			Date: _____		