

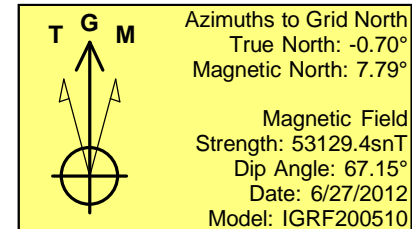
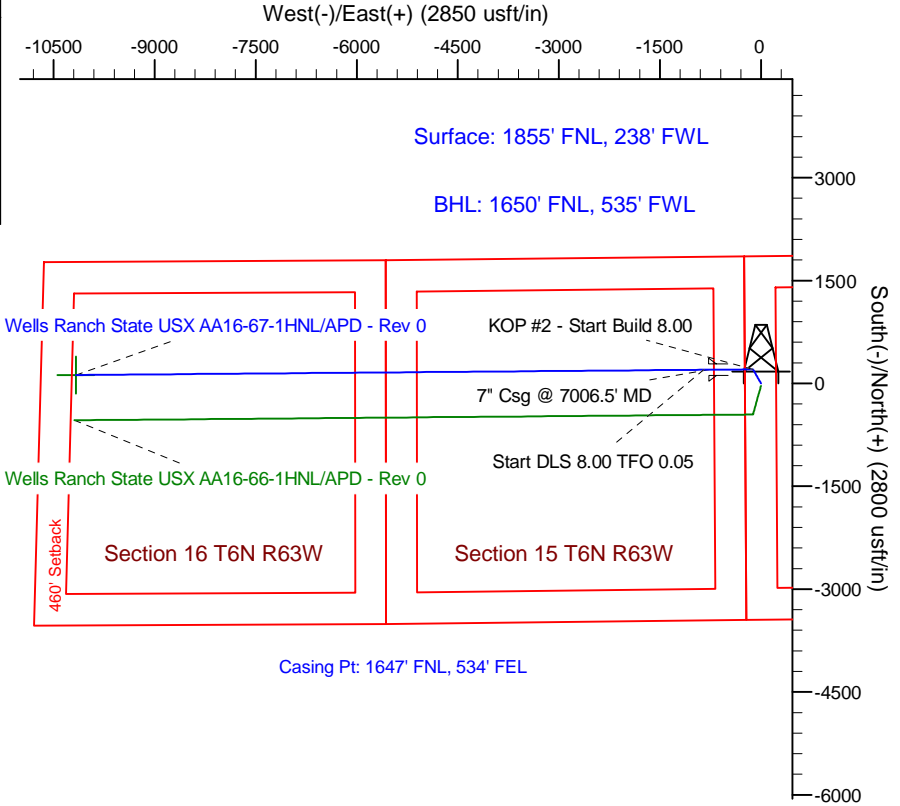
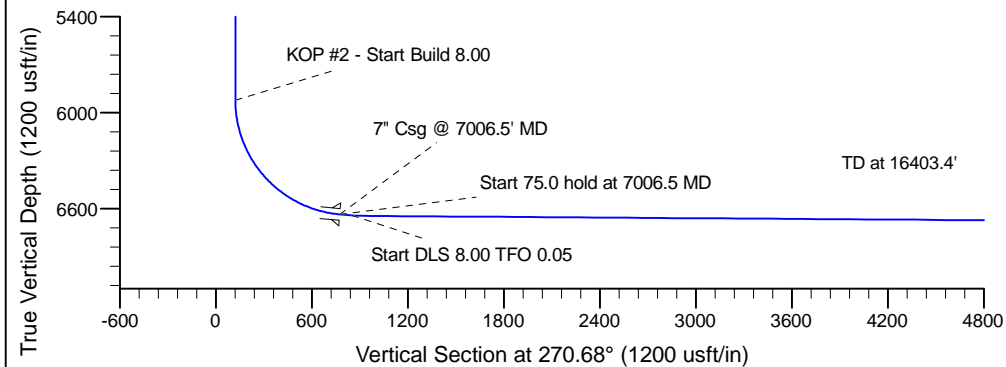
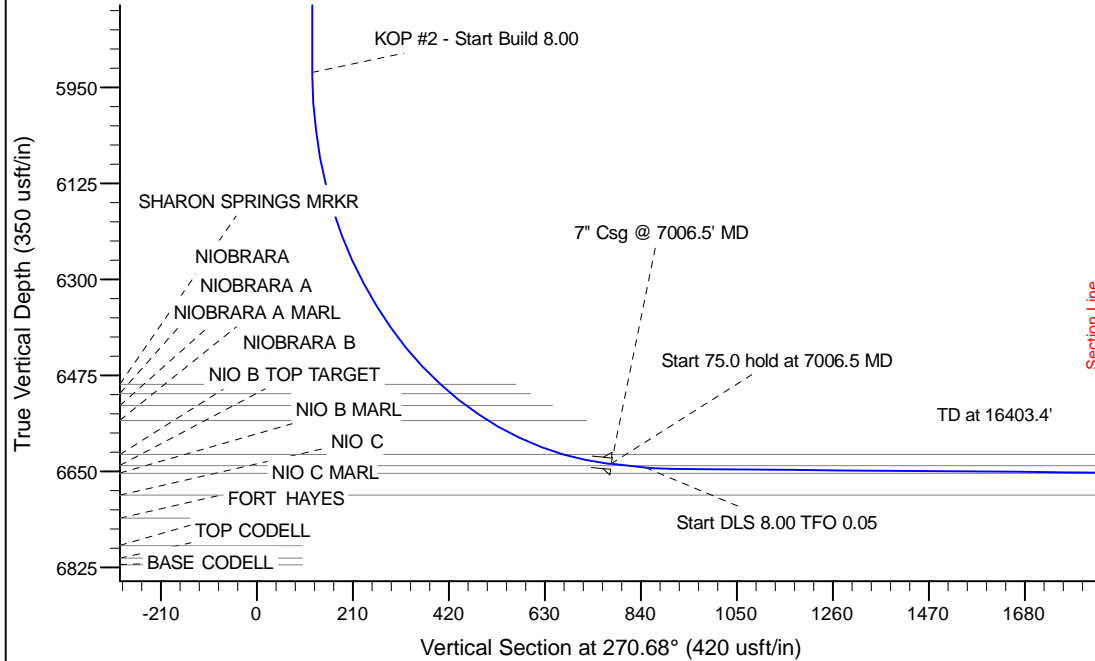
Project: Wattenberg Field  
Site: AA (Sec.14-T06N-R63W) Weld County, CO  
Well: Wells Ranch State USX AA16-67-1HNL  
Wellbore: Original Drilling  
Design: APD - Rev 0

# Northern Region Drilling

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	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2479.9	12.00	329.87	2476.4	43.3	-25.1	2.50	329.87	25.7	
4	3138.4	12.00	329.87	3120.6	161.7	-93.9	0.00	0.00	95.8	
5	3618.4	0.00	0.00	3597.0	205.0	-119.0	2.50	180.00	121.4	
6	5944.0	0.00	0.00	5922.6	205.0	-119.0	0.00	0.00	121.4	
7	7006.5	85.00	269.52	6636.1	199.5	-772.8	8.00	269.52	775.1	
8	7081.5	85.00	269.52	6642.6	198.9	-847.5	0.00	0.00	849.8	
9	7139.0	89.60	269.52	6645.3	198.4	-904.9	8.00	0.05	907.2	
10	16403.4	89.60	269.52	6710.0	121.5	-10168.7	0.00	0.00	10169.5	AA16-67-1HNL BHL 1650'FNL, 535'FWL



WELL DETAILS: Wells Ranch State USX AA16-67-1HNL

Ground Level: 4778.0	Latitude	Longitude
Northing	Easting	
1422757.54	3302456.31	40.488780
		-104.412570

Plan: APD - Rev 0 (Wells Ranch State USX AA16-67-1HNL/Original Drilling)

Created By: Carrie Willers Date: 17:51, June 27 2012

Checked: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_

Approved: \_\_\_\_\_ Date: \_\_\_\_\_