

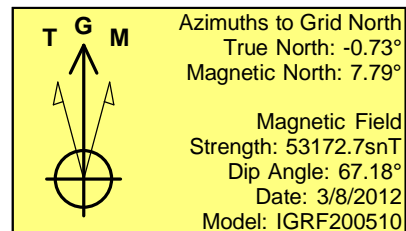
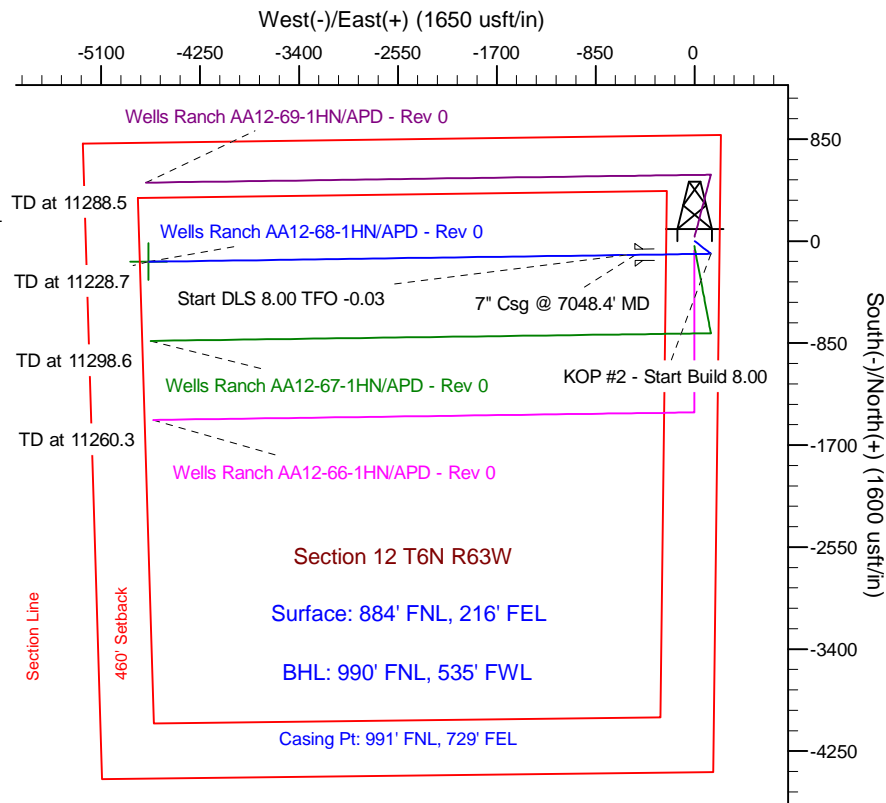
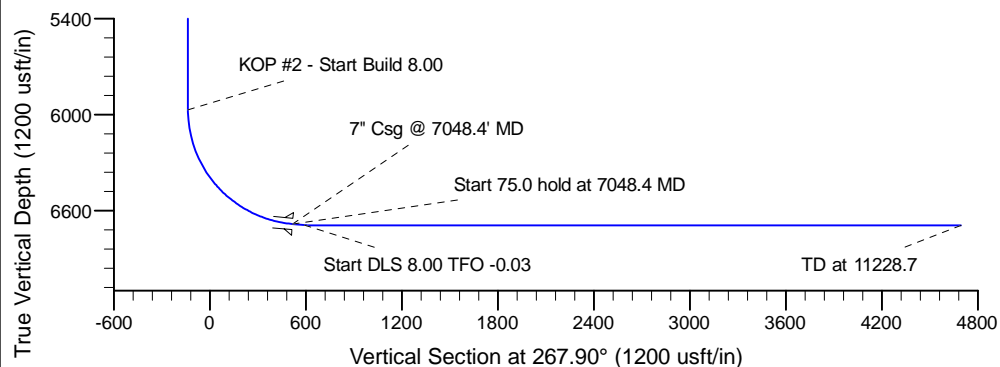
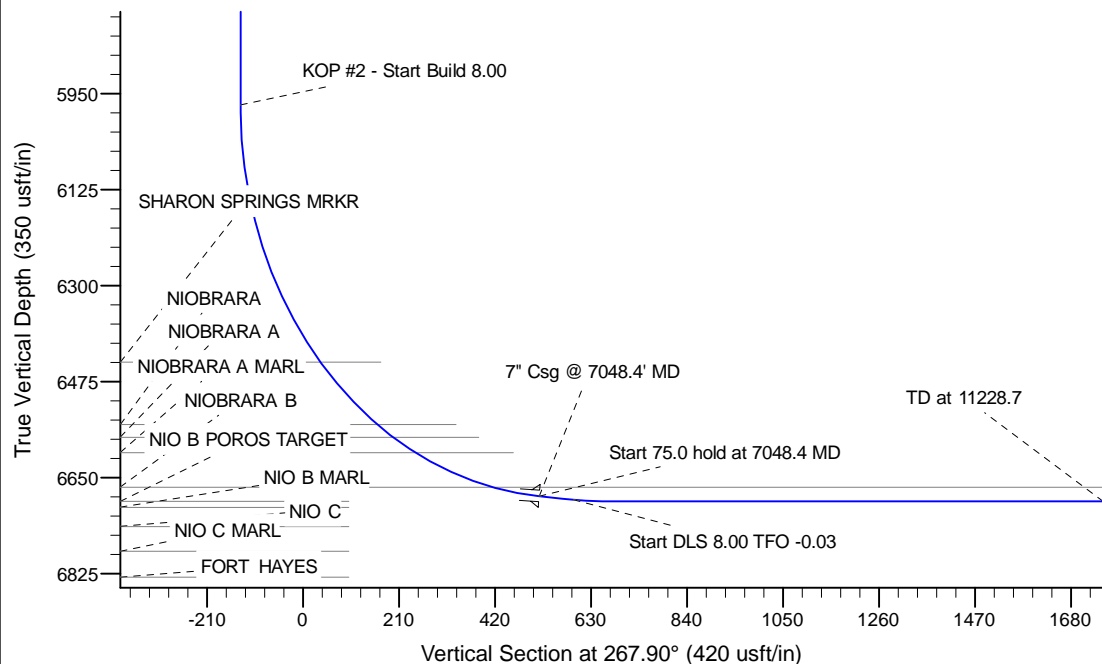
Project: Wattenberg Field  
 Site: AA (Sec.12-T06N-R63W) Weld County, CO  
 Well: Wells Ranch AA12-68-1HN  
 Wellbore: Original Drilling  
 Design: APD - Rev 0

# 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	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	
3	3022.6	13.07	126.93	3018.1	-35.7	47.4	2.50	126.93	-46.1	
4	3278.0	13.07	126.93	3266.9	-70.3	93.6	0.00	0.00	-90.9	
5	3800.6	0.00	0.00	3785.0	-106.0	141.0	2.50	180.00	-137.0	
6	5985.9	0.00	0.00	5970.3	-106.0	141.0	0.00	0.00	-137.0	
7	7048.4	85.00	269.22	6683.7	-114.9	-512.7	8.00	269.22	516.6	
8	7123.4	85.00	269.22	6690.3	-115.9	-587.4	0.00	0.00	591.3	
9	7185.9	90.00	269.22	6693.0	-116.8	-649.8	8.00	-0.03	653.7	
10	11228.7	90.00	269.22	6693.0	-172.0	-4692.3	0.00	0.00	4695.4	Wells Ranch AA12-68-1HN BHL 990'FNL, 535'FWL



## WELL DETAILS: Wells Ranch AA12-68-1HN

Ground Level: 4893.0		
Northing	Easting	Latitude
1429151.01	3312634.08	40.505980
		Longitude
		-104.375690

Plan: APD - Rev 0 (Wells Ranch AA12-68-1HN/Original Drilling)

Created By: Carrie Willers Date: 17:08, March 08 2012

**OK to submit with 2A as per Noble Drilling**  
**3/8/2012 6:08**