

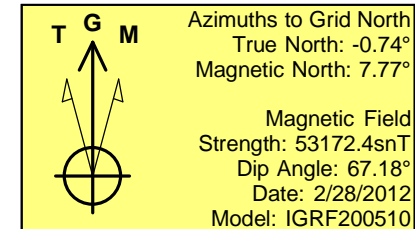
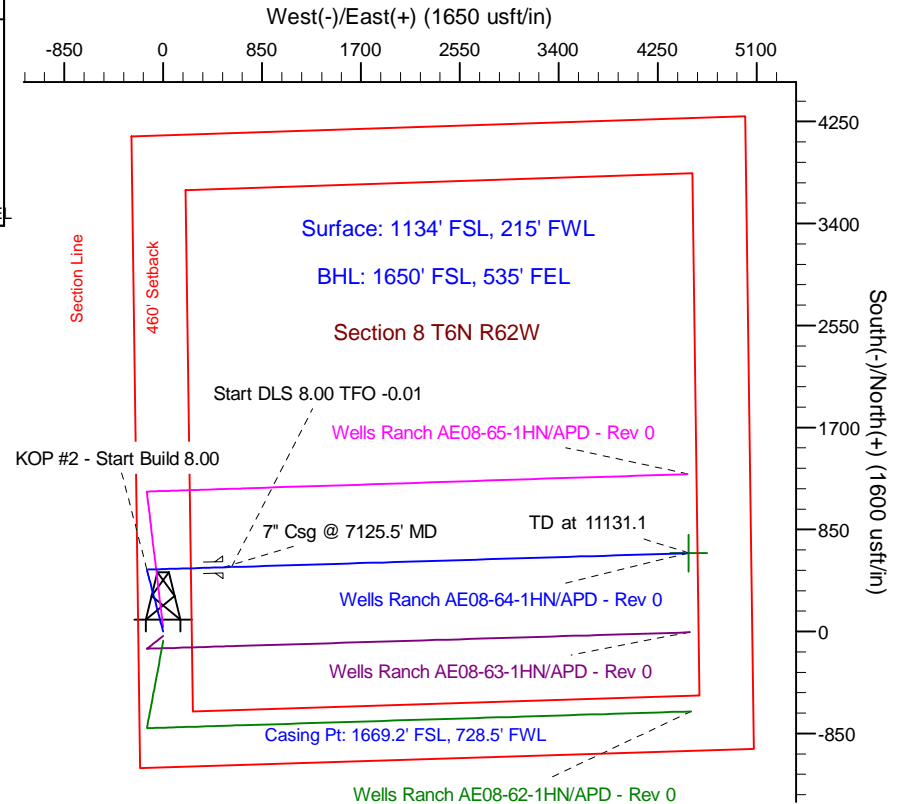
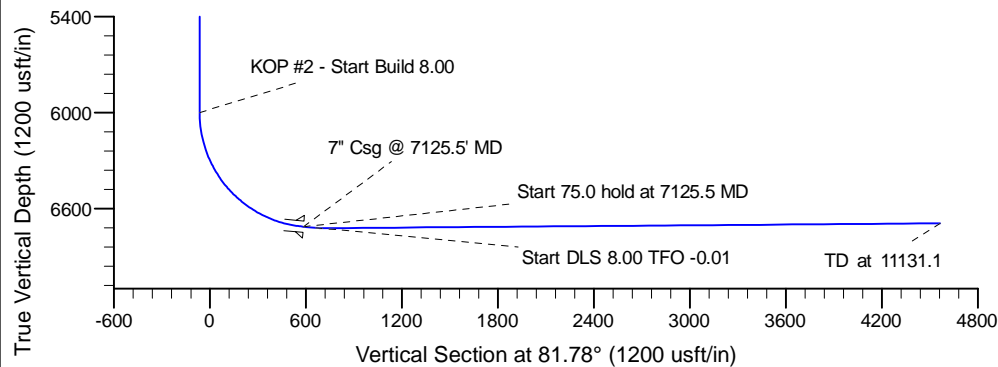
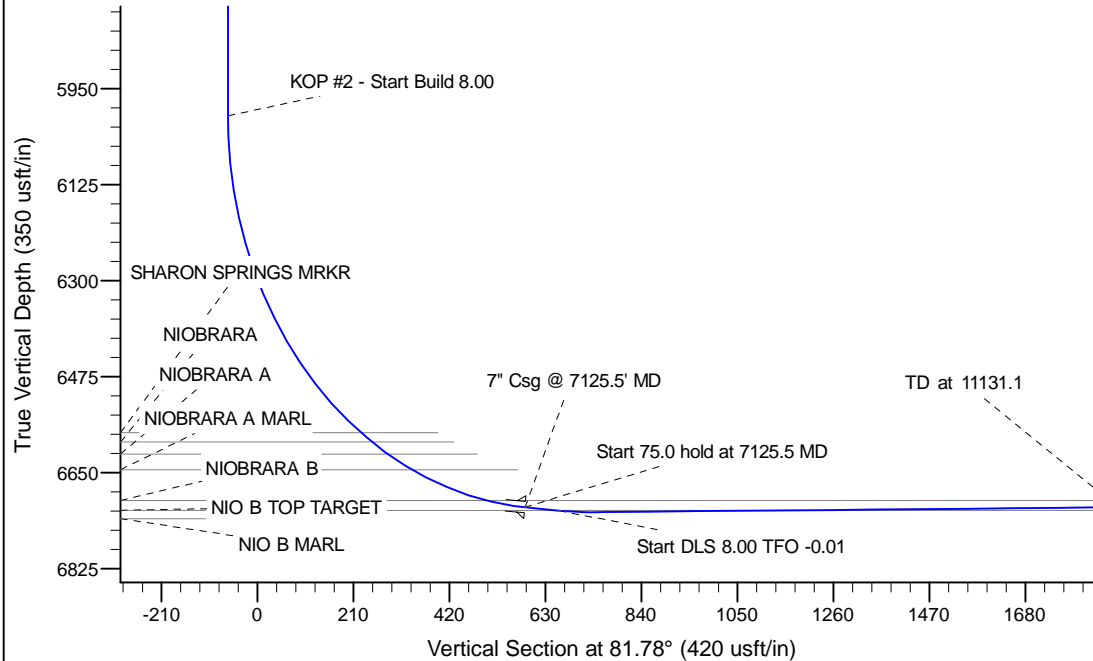
Project: Wattenberg Field  
 Site: AE (Sec.8-T06N-R62W) Weld County, CO  
 Well: Wells Ranch AE08-64-1HN  
 Wellbore: Original Drilling  
 Design: APD - Rev 0

# 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	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2399.5	14.99	344.82	2392.7	75.2	-20.4	2.50	344.82	-9.4	
4	3863.9	14.99	344.82	3807.3	440.8	-119.6	0.00	0.00	-55.3	
5	4463.4	0.00	0.00	4400.0	516.0	-140.0	2.50	180.00	-64.8	
6	6063.0	0.00	0.00	5999.6	516.0	-140.0	0.00	0.00	-64.8	
7	7125.5	85.00	88.32	6713.0	535.2	513.5	8.00	88.32	584.7	
8	7200.5	85.00	88.32	6719.6	537.4	588.2	0.00	0.00	659.0	
9	7268.6	90.45	88.32	6722.3	539.4	656.2	8.00	-0.01	726.5	
10	11131.1	90.45	88.32	6692.1	652.6	4516.9	0.00	0.00	4563.8	Wells Ranch AE08-64-1HN BHL 1650'FSL, 535'FEL



## WELL DETAILS: Wells Ranch AE08-64-1HN

Ground Level: 4929.0  
 Northing 1425985.68 Easting 3318387.09 Latitude 40° 29' 49.524 N Longitude 104° 21' 18.540 W

Plan: APD - Rev 0 (Wells Ranch AE08-64-1HN/Original Drilling)

Created By: Carrie Willers Date: 11:01, February 29 2012

**OK to submit with 2A as per Noble Drilling**  
**3/1/2012 09:02**