

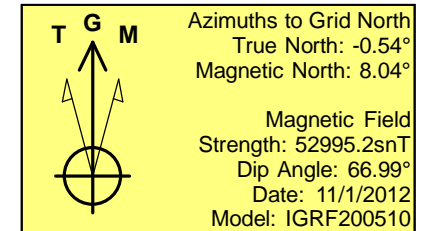
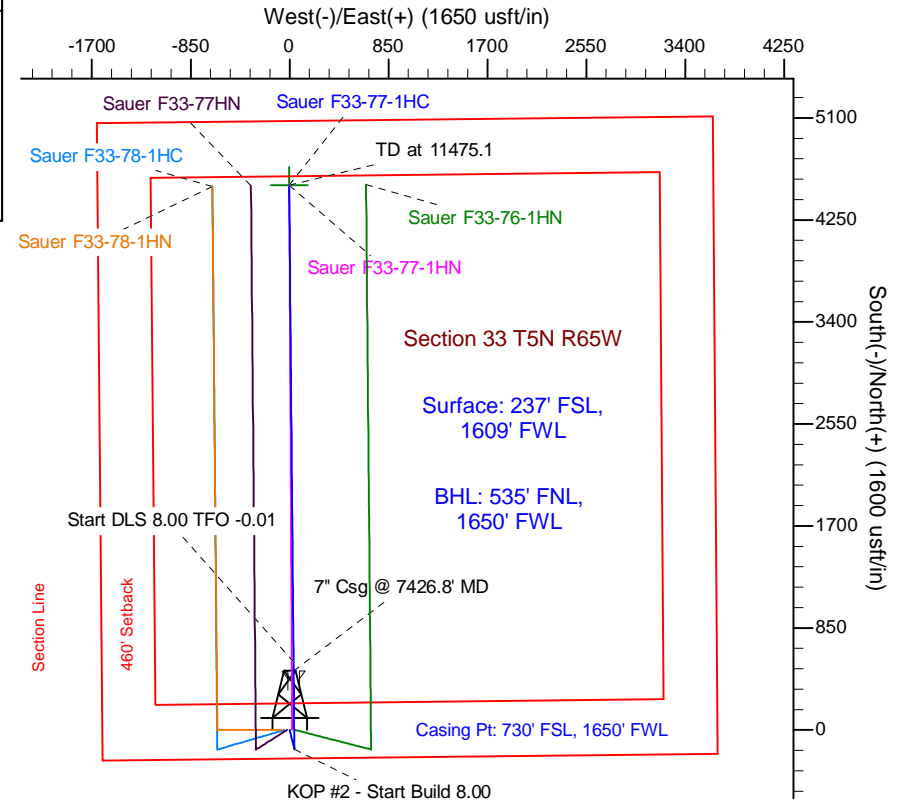
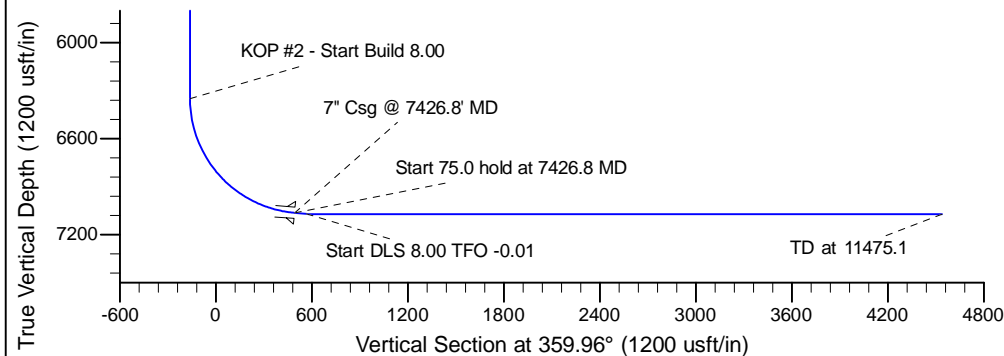
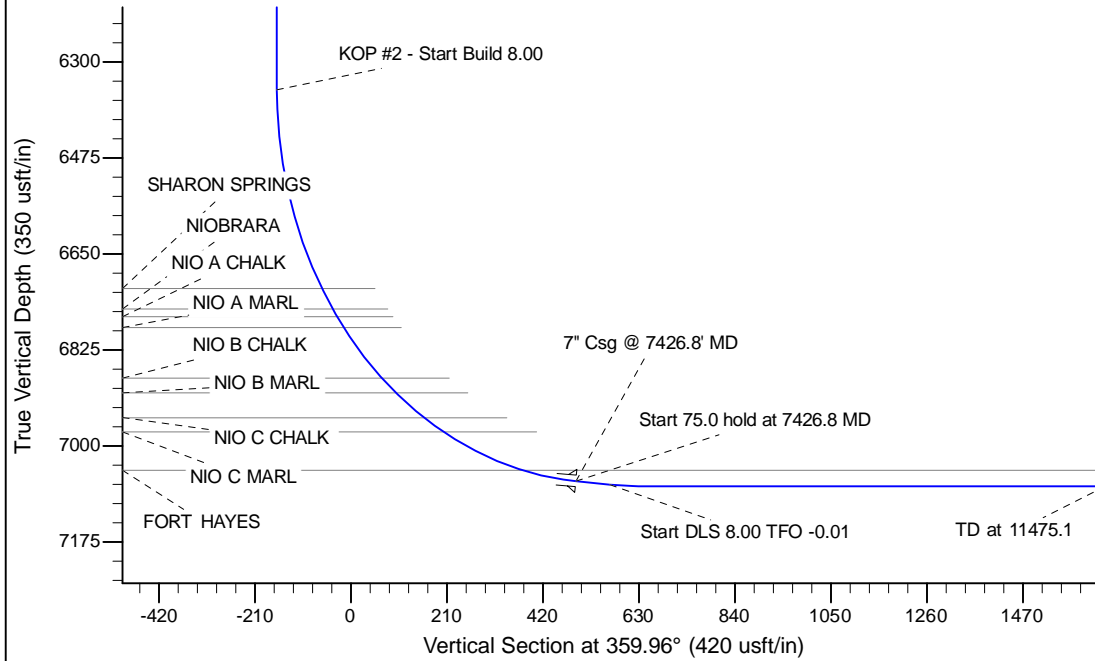
Project: Wattenberg Field  
Site: F (Sec.33-T05N-R65W) Weld County, CO  
Well: Sauer F33-77-1HC  
Wellbore: Original Drilling  
Design: APD - Rev 0

# 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	2279.9	12.00	165.80	2276.4	-48.5	12.3	2.50	165.80	-48.5	
4	2602.1	12.00	165.80	2591.6	-113.5	28.7	0.00	0.00	-113.5	
5	3082.0	0.00	0.00	3068.0	-162.0	41.0	2.50	180.00	-162.0	
6	6364.3	0.00	0.00	6350.3	-162.0	41.0	0.00	0.00	-162.0	
7	7426.8	85.00	359.46	7063.7	491.7	34.8	8.00	359.46	491.7	
8	7501.8	85.00	359.46	7070.3	566.5	34.1	0.00	0.00	566.4	
9	7564.3	90.00	359.46	7073.0	628.9	33.5	8.00	-0.01	628.9	
10	11475.1	90.00	359.46	7073.0	4539.5	-3.4	0.00	0.00	4539.5	Sauer F33-77-1HC BHL 535'FNL, 1650'FWL



WELL DETAILS: Sauer F33-77-1HC			
Ground Level:	4670.0	Latitude	40.349130
Northing	1371105.94	Easting	3230753.96
		Longitude	-104.672080
Plan: APD - Rev 0 (Sauer F33-77-1HC/Original Drilling)			
Created By: Carrie Willers	Date: 15:47, November 01 2012		
Checked: _____	Date: _____		
Reviewed: _____	Date: _____		
Approved: _____	Date: _____		