

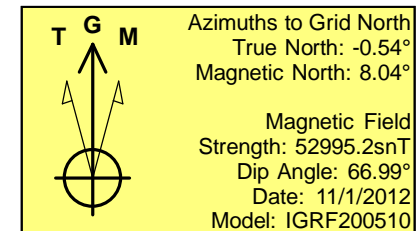
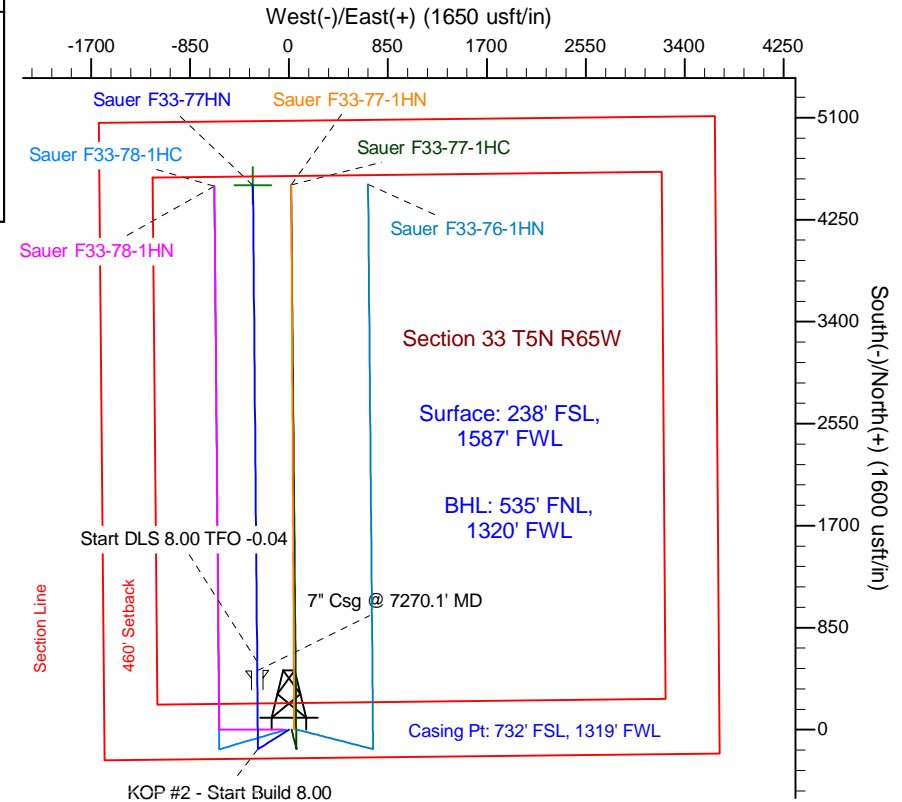
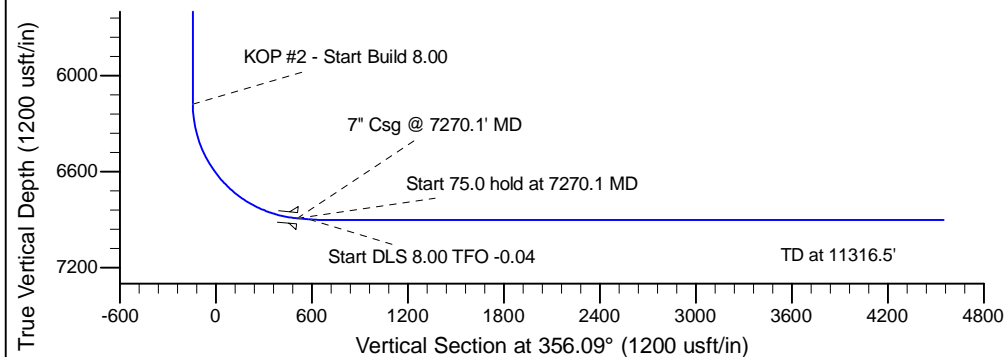
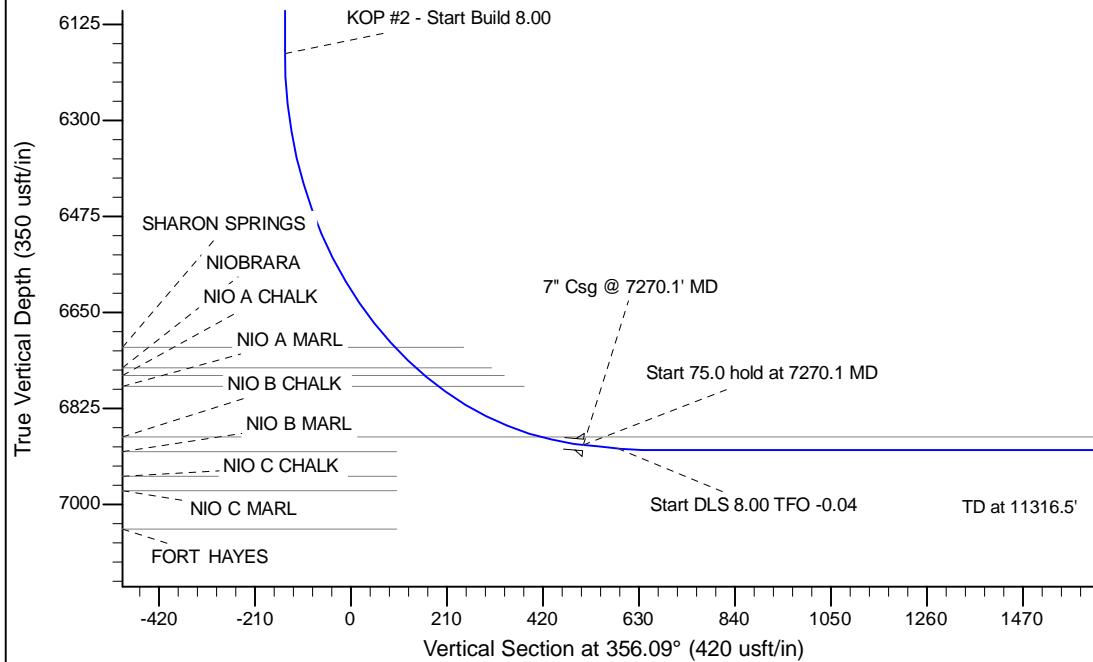
Project: Wattenberg Field
Site: F (Sec.33-T05N-R65W) Weld County, CO
Well: Sauer F33-77HN
Wellbore: Original Drilling
Design: APD - Rev 0

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	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2480.2	12.01	238.60	2476.7	-26.1	-42.8	2.50	238.60	-23.1	
4	3502.1	12.01	238.60	3476.3	-136.9	-224.2	0.00	0.00	-121.3	
5	3982.4	0.00	0.00	3953.0	-163.0	-267.0	2.50	180.00	-144.4	
6	6207.6	0.00	0.00	6178.2	-163.0	-267.0	0.00	0.00	-144.4	
7	7270.1	85.00	359.48	6891.7	490.7	-272.9	8.00	359.48	508.2	
8	7345.1	85.00	359.48	6898.2	565.5	-273.6	0.00	0.00	582.8	
9	7407.6	90.00	359.48	6901.0	627.9	-274.2	8.00	-0.04	645.1	
10	11316.5	90.00	359.48	6901.0	4536.6	-309.9	0.00	0.00	4547.2	Sauer F33-77HN BHL 535'FNL, 1320'FWL



WELL DETAILS: Sauer F33-77HN			
Ground Level:	4671.0	Latitude	40.349130
Northing	1371105.73	Easting	3230731.67
		Longitude	-104.672160
Plan: APD - Rev 0 (Sauer F33-77HN/Original Drilling)			
Created By: Carrie Willers	Date: 17:03, November 01 2012		
Checked: _____	Date: _____		
Reviewed: _____	Date: _____		
Approved: _____	Date: _____		