

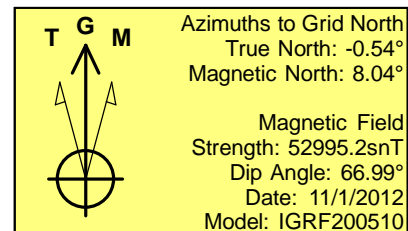
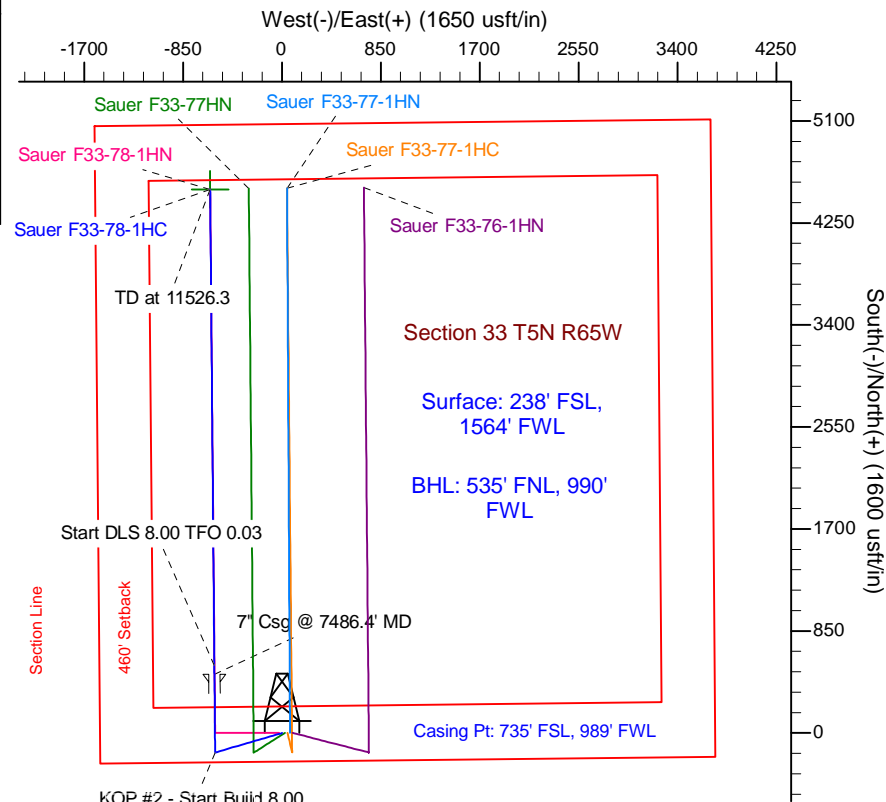
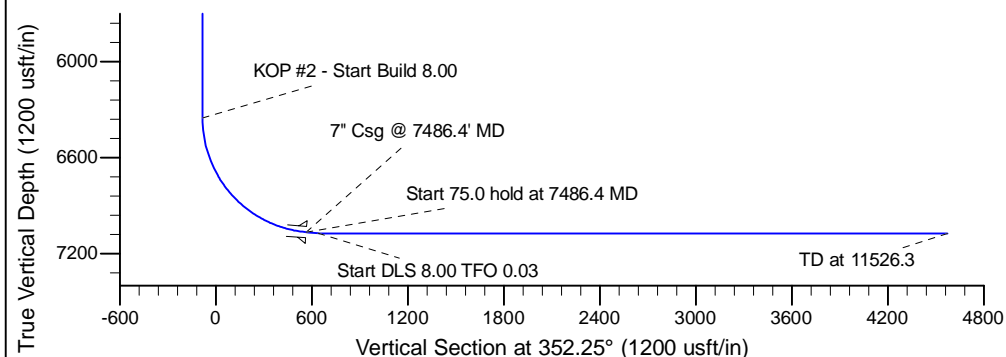
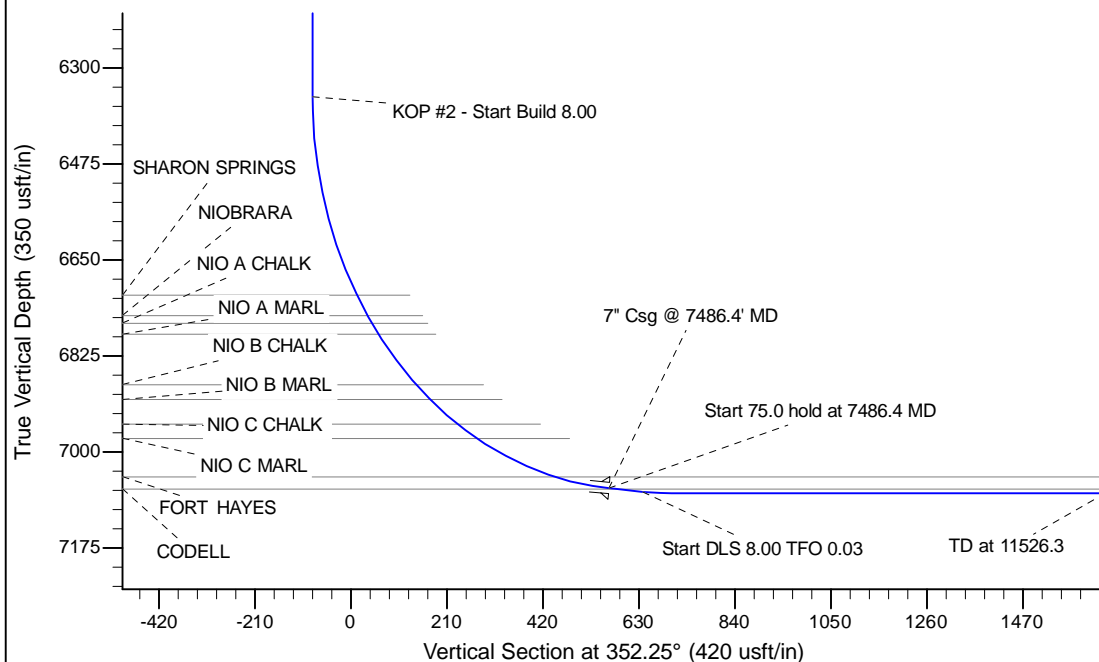
Project: Wattenberg Field  
Site: F (Sec.33-T05N-R65W) Weld County, CO  
Well: Sauer F33-78-1HC  
Wellbore: Original Drilling  
Design: APD - Rev 0

# 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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2100.1	15.00	254.15	2093.3	-21.3	-75.2	2.50	254.15	-11.0	
4	3801.5	15.00	254.15	3736.7	-141.7	-498.8	0.00	0.00	-73.1	
5	4401.7	0.00	0.00	4330.0	-163.0	-574.0	2.50	180.00	-84.1	
6	6423.9	0.00	0.00	6352.2	-163.0	-574.0	0.00	0.00	-84.1	
7	7486.4	85.00	359.48	7065.7	490.7	-579.9	8.00	359.48	564.5	
8	7561.4	85.00	359.48	7072.2	565.5	-580.6	0.00	0.00	638.6	
9	7623.9	90.00	359.48	7075.0	627.9	-581.2	8.00	0.03	700.5	
10	11526.3	90.00	359.48	7075.0	4530.1	-616.4	0.00	0.00	4571.8	Sauer F33-78-1HC BHL 535'FNL, 990'FWL



WELL DETAILS: Sauer F33-78-1HC			
Ground Level:	4671.0	Latitude	40.349130
Northing	1371105.49	Easting	3230706.58
		Longitude	-104.672250
Plan: APD - Rev 0 (Sauer F33-78-1HC/Original Drilling)			
Created By: Carrie Willers	Date: 16:20, November 01 2012		
Checked: _____	Date: _____		
Reviewed: _____	Date: _____		
Approved: _____	Date: _____		