

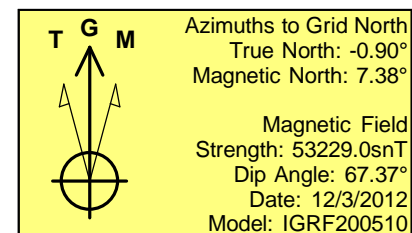
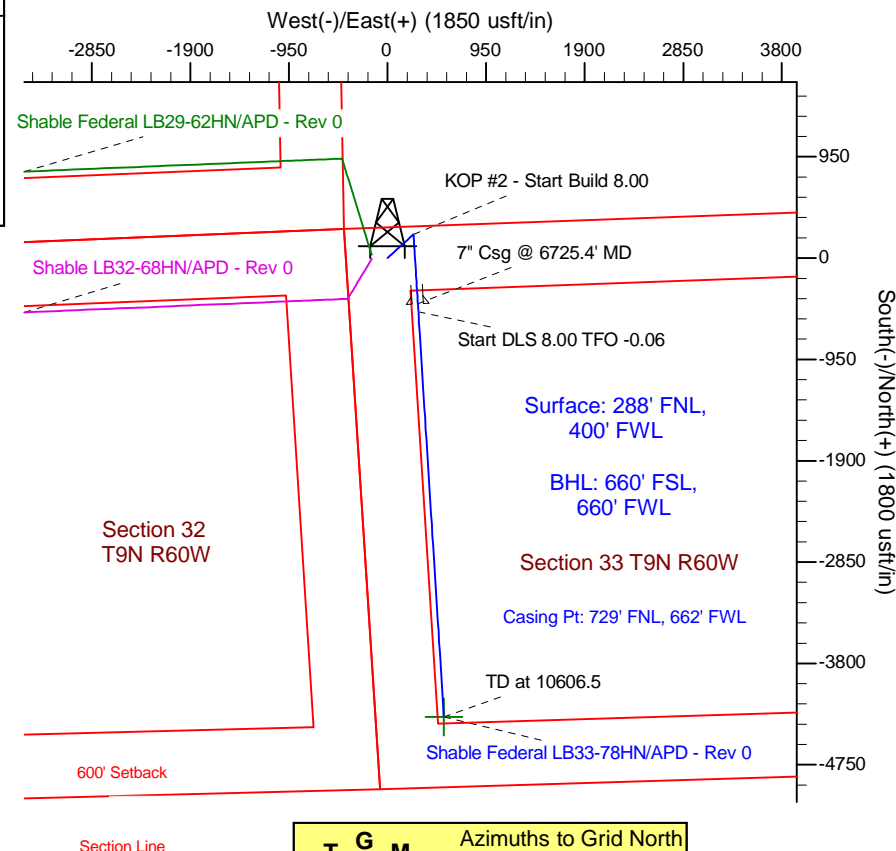
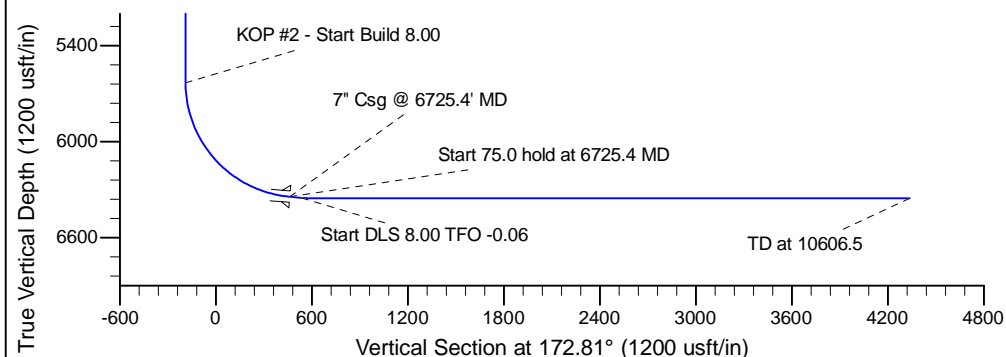
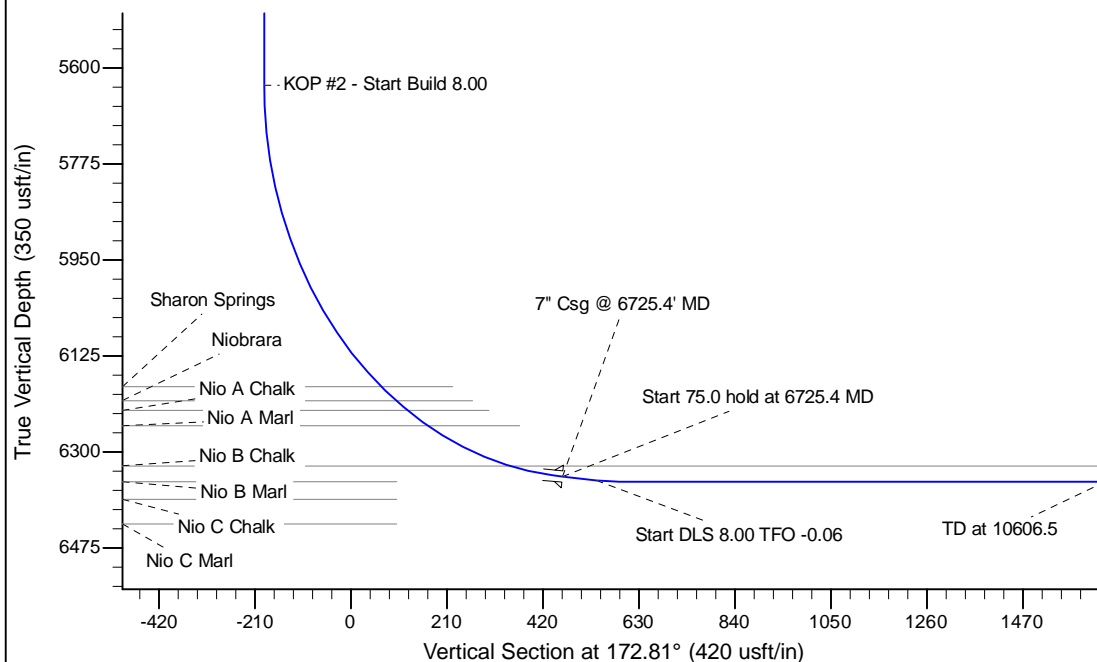
Project: Wattenberg Field
Site: LB (Sec.33-T09N-R60W) Weld County, CO
Well: Shable Federal LB33-78HN
Wellbore: Original Drilling
Design: APD - Rev 0

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	2200.0	0.00	0.00	2200.0	0.0	0.0	0.00	0.00	0.0	
3	2679.9	12.00	48.27	2676.4	33.3	37.4	2.50	48.27	-28.4	
4	3809.7	12.00	48.27	3781.6	189.7	212.6	0.00	0.00	-161.6	
5	4289.7	0.00	0.00	4258.0	223.0	250.0	2.50	180.00	-189.9	
6	5662.9	0.00	0.00	5631.2	223.0	250.0	0.00	0.00	-189.9	
7	6725.4	85.00	176.30	6344.7	-429.4	292.2	8.00	176.30	462.6	
8	6800.4	85.00	176.30	6351.2	-504.0	297.0	0.00	0.00	537.2	
9	6862.9	90.00	176.29	6354.0	-566.3	301.0	8.00	-0.06	599.5	
10	10606.5	90.00	176.29	6354.0	-4302.0	543.0	0.00	0.00	4336.1	Shable Federal LB33-78HN BHL 660'FSL. 660'FWL



WELL DETAILS: Shable Federal LB33-78HN			
Ground Level:	4940.0	Latitude	40.712408
Northing	1505412.22	Eastings	3386475.19
Longitude	-104.105867		
Plan: APD - Rev 0 (Shable Federal LB33-78HN/Original Drilling)			
Created By: Carrie Willers	Date: 12:48, January 04 2013		
Checked: _____	Date: _____		
Reviewed: _____	Date: _____		
Approved: _____	Date: _____		