

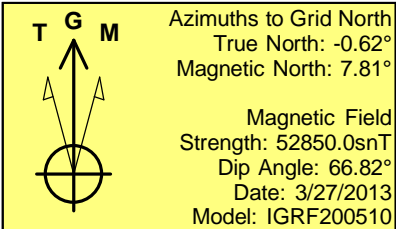
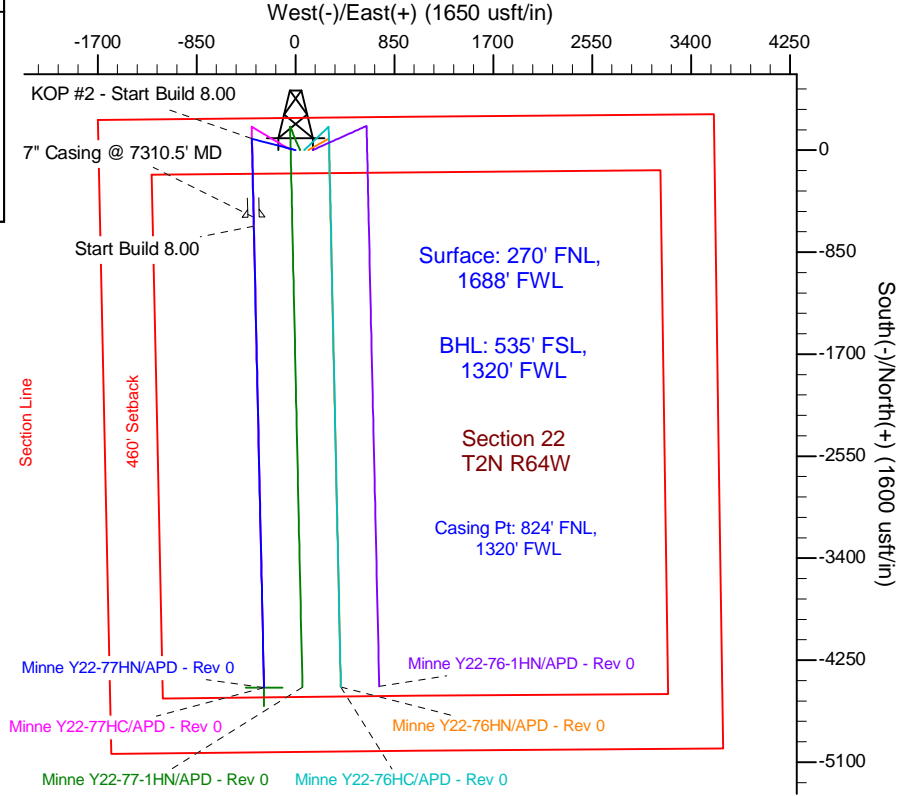
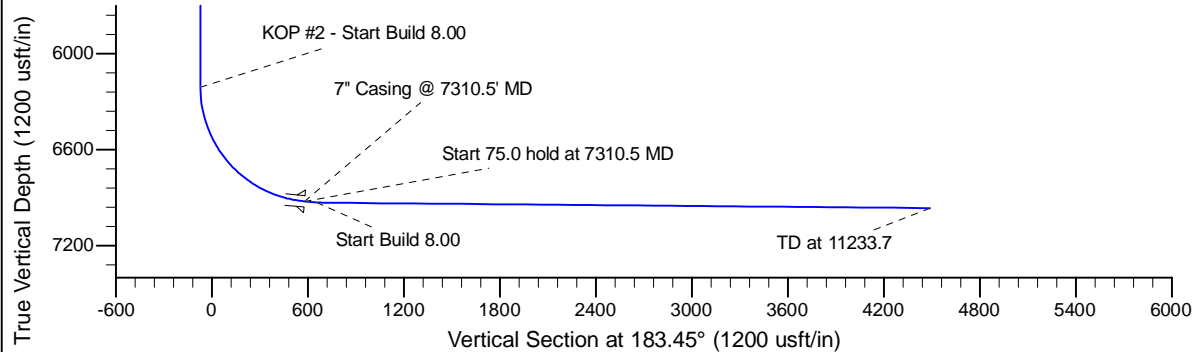
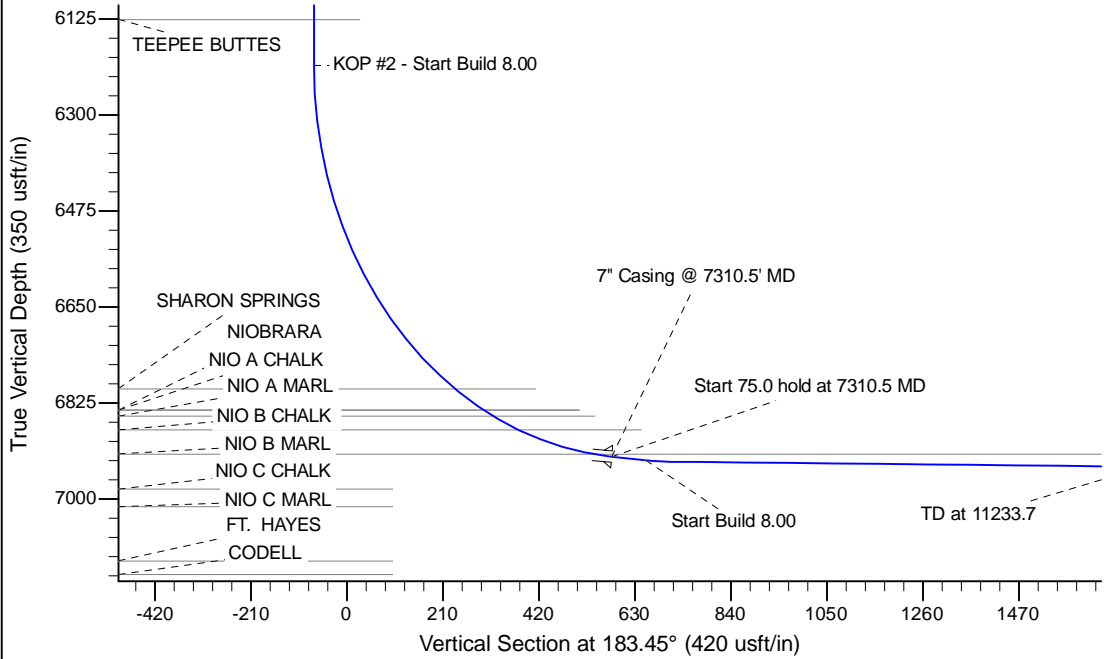
Project: Wattenberg Field
Site: Y (Sec.22-T02N-R64W) Weld County, CO
Well: Minne Y22-77HN
Wellbore: Original Drilling
Design: APD - Rev 0

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	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2452.1	13.04	284.22	2446.5	18.1	-71.6	2.00	284.22	-13.8	
4	3511.5	13.04	284.22	3478.5	76.9	-303.4	0.00	0.00	-58.4	
5	4163.6	0.00	0.00	4125.0	95.0	-375.0	2.00	180.00	-72.2	
6	6248.0	0.00	0.00	6209.4	95.0	-375.0	0.00	0.00	-72.2	
7	7310.5	85.00	178.69	6922.9	-558.6	-360.1	8.00	178.69	579.3	
8	7385.5	85.00	178.69	6929.4	-633.3	-358.3	0.00	0.00	653.7	
9	7441.7	89.50	178.69	6932.1	-689.5	-357.1	8.00	0.00	709.7	
10	11233.7	89.50	178.69	6965.2	-4480.3	-270.4	0.00	0.00	4488.5	Minne Y22-77HN BHL 535'FSL, 1320'FWL



WELL DETAILS: Minne Y22-77HN			
Ground Level:	5008.0	Latitude	40.130470
Northing	1291824.07	Easting	3268159.25
		Longitude	-104.540960
Plan: APD - Rev 0 (Minne Y22-77HN/Original Drilling)			
Created By: Carrie Willers	Date: 17:17, April 03 2013		
Checked: _____	Date: _____		
Reviewed: _____	Date: _____		
Approved: _____	Date: _____		