

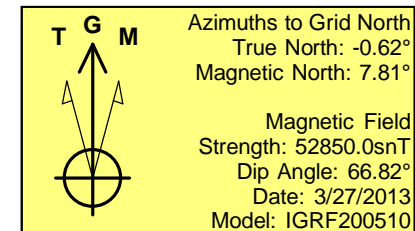
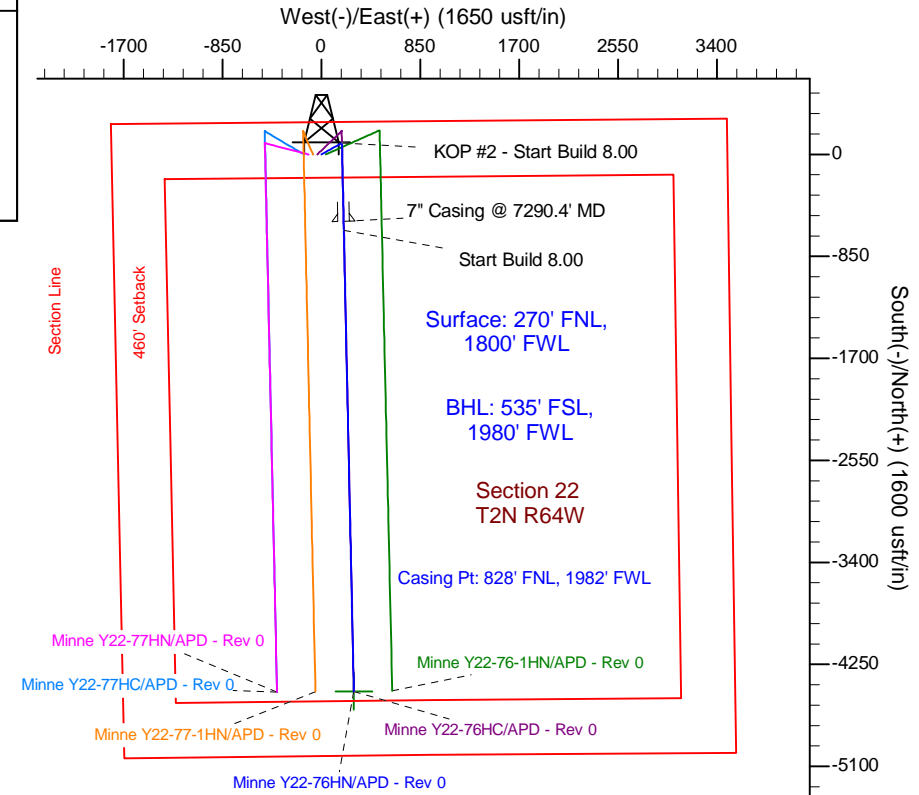
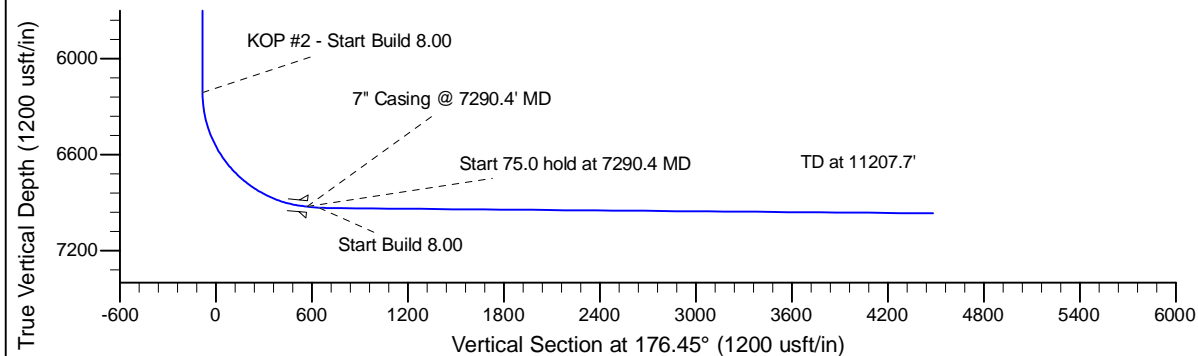
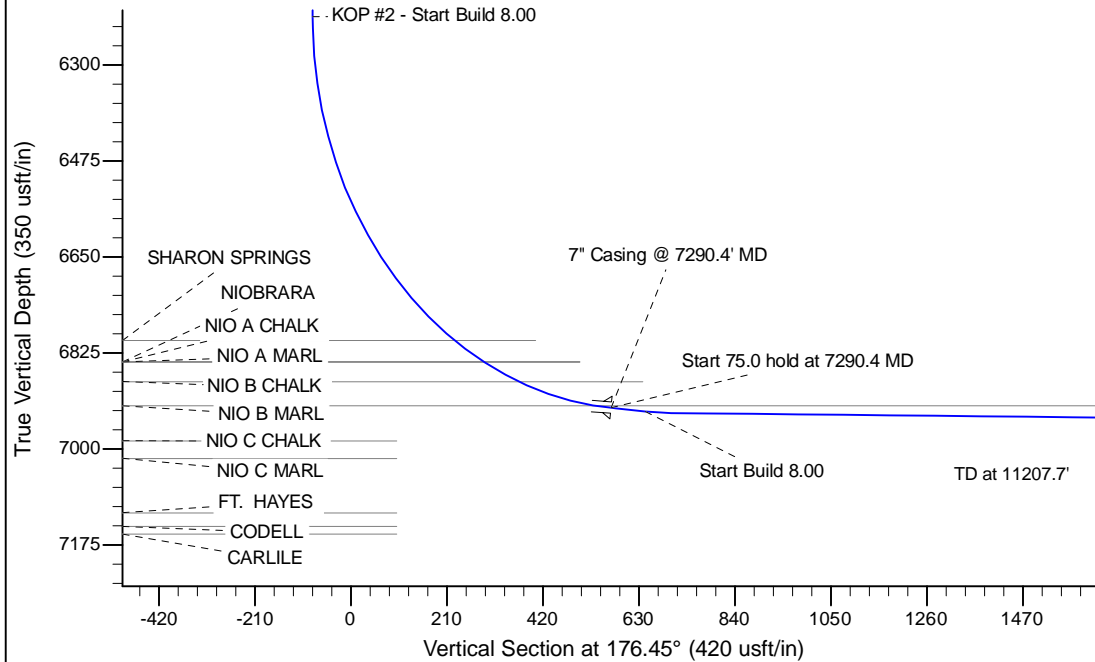
Project: Wattenberg Field
Site: Y (Sec.22-T02N-R64W) Weld County, CO
Well: Minne Y22-76HN
Wellbore: Original Drilling
Design: APD - Rev 0

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1800.0	12.00	61.50	1795.6	29.9	55.0	2.00	61.50	-26.4	
4	2155.5	12.00	61.50	2143.4	65.1	120.0	0.00	0.00	-57.6	
5	2755.5	0.00	0.00	2739.0	95.0	175.0	2.00	180.00	-84.0	
6	6227.9	0.00	0.00	6211.4	95.0	175.0	0.00	0.00	-84.0	
7	7290.4	85.00	178.71	6924.8	-558.6	189.7	8.00	178.71	569.3	
8	7365.4	85.00	178.71	6931.4	-633.3	191.4	0.00	0.00	643.9	
9	7421.6	89.50	178.71	6934.1	-689.5	192.6	8.00	0.00	700.1	
10	11207.7	89.50	178.71	6967.1	-4474.4	277.8	0.00	0.00	4483.0	Minne Y22-76HN BHL 535'FSL, 1980'FWL



WELL DETAILS: Minne Y22-76HN			
Ground Level: 5011.0			
Northing	Easting	Latitude	Longitude
1291825.30	3268271.10	40.130470	-104.540560

Plan: APD - Rev 0 (Minne Y22-76HN/Original Drilling)	
Created By: Carrie Willers	Date: 17:50, April 02 2013
Checked: _____	Date: _____
Reviewed: _____	Date: _____
Approved: _____	Date: _____