

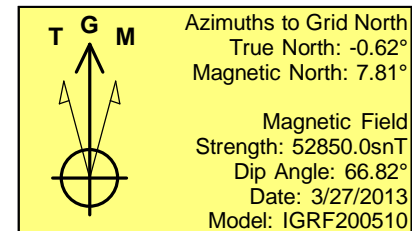
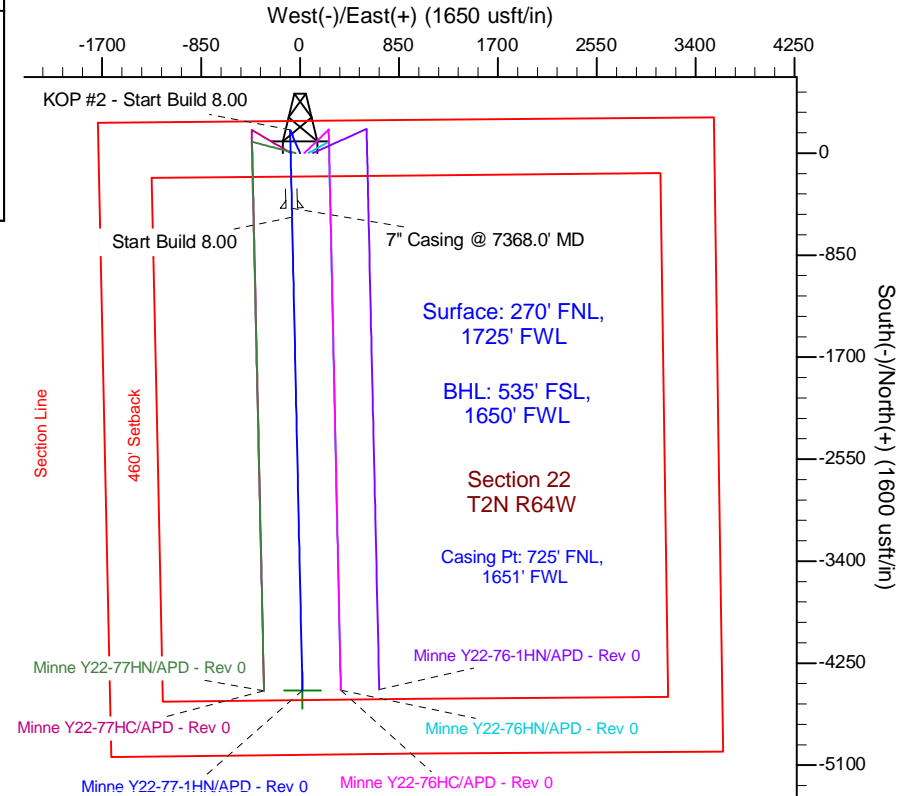
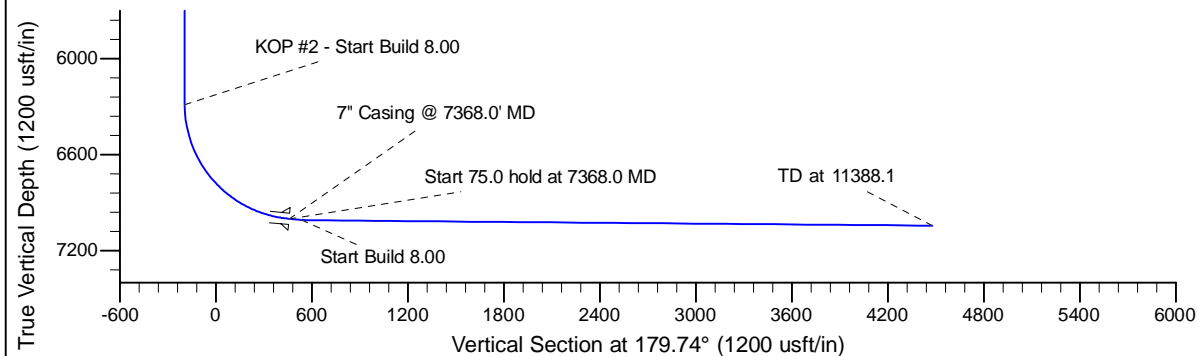
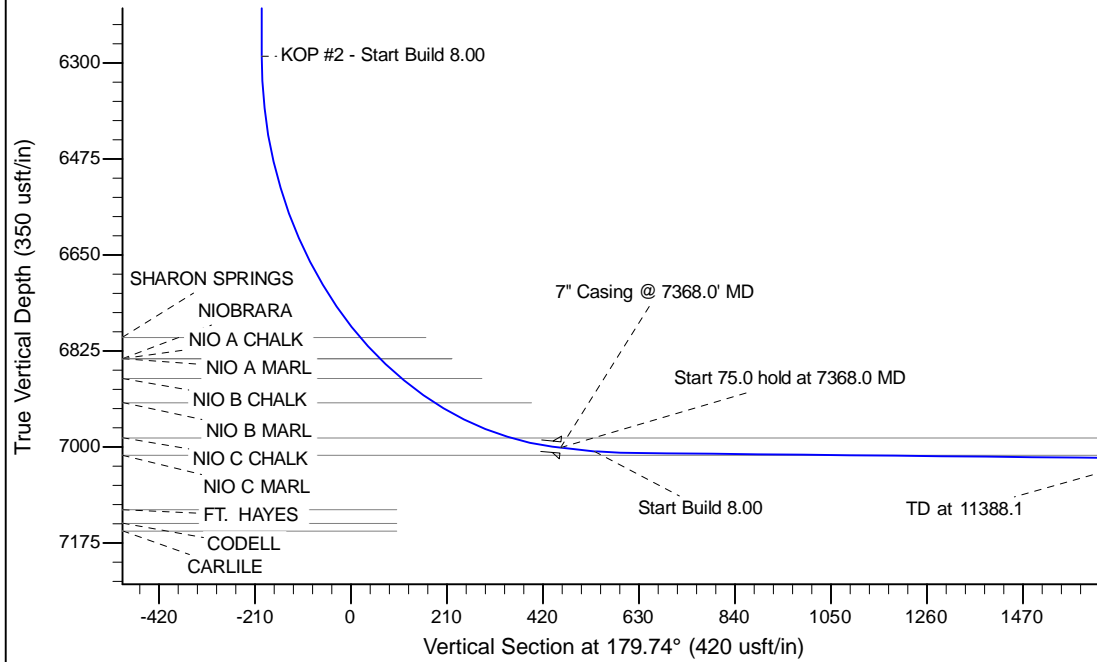
Project: Wattenberg Field
Site: Y (Sec.22-T02N-R64W) Weld County, CO
Well: Minne Y22-77-1HN
Wellbore: Original Drilling
Design: APD - Rev 0

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	VSec	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	2604.3	12.09	336.45	2599.8	58.2	-25.4	2.00	336.45	-58.3	
4	3013.7	12.09	336.45	3000.2	136.8	-59.6	0.00	0.00	-137.1	
5	3618.0	0.00	0.00	3600.0	195.0	-85.0	2.00	180.00	-195.4	
6	6305.5	0.00	0.00	6287.5	195.0	-85.0	0.00	0.00	-195.4	
7	7368.0	85.00	178.71	7000.9	-458.6	-70.2	8.00	178.71	458.3	
8	7443.0	85.00	178.71	7007.5	-533.3	-68.6	0.00	0.00	533.0	
9	7499.2	89.50	178.71	7010.2	-589.5	-67.3	8.00	0.00	589.1	
10	11388.1	89.50	178.71	7044.1	-4477.2	20.5	0.00	0.00	4477.2	Minne Y22-77-1HN BHL 535'FSL, 1650'FWL



WELL DETAILS: Minne Y22-77-1HN			
Ground Level: 5009.0			
Northing	Easting	Latitude	Longitude
1291824.48	3268198.40	40.130470	-104.540820
Plan: APD - Rev 0 (Minne Y22-77-1HN/Original Drilling)			
Created By: Carrie Willers		Date: 17:00, April 03 2013	
Checked: _____		Date: _____	
Reviewed: _____		Date: _____	
Approved: _____		Date: _____	