

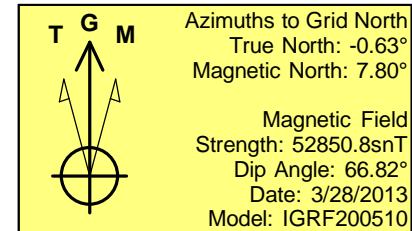
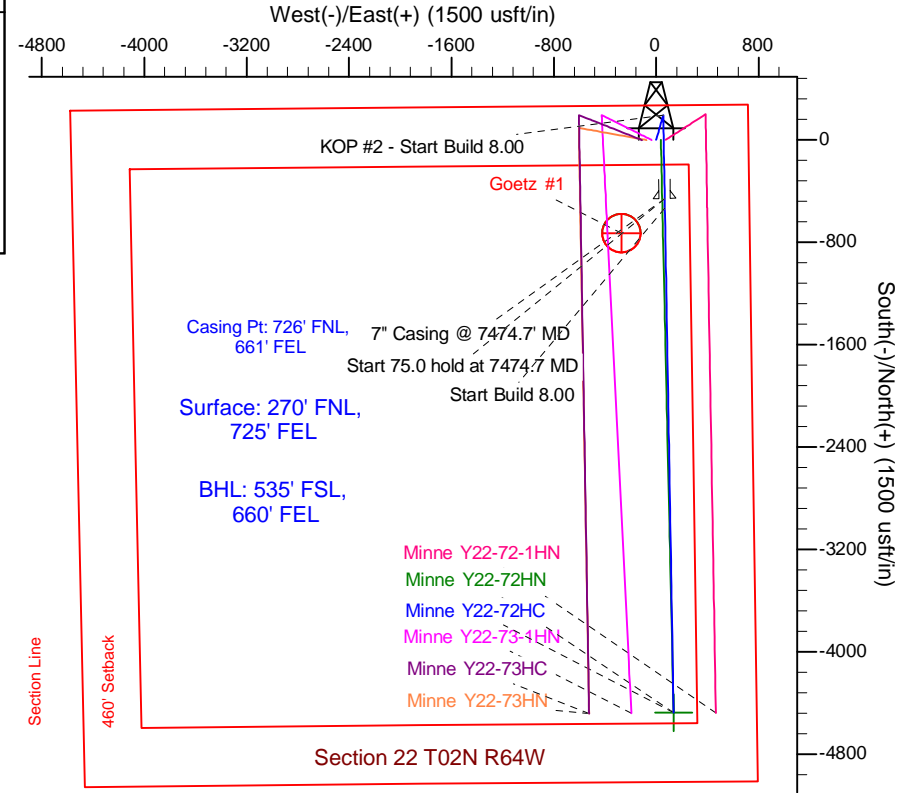
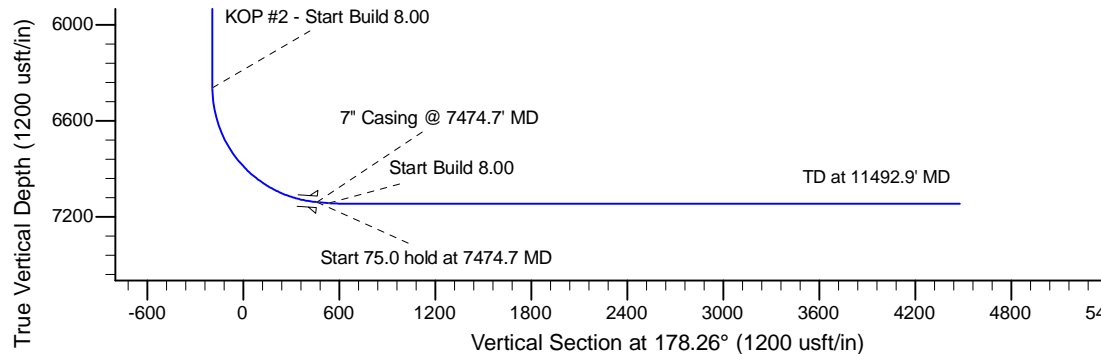
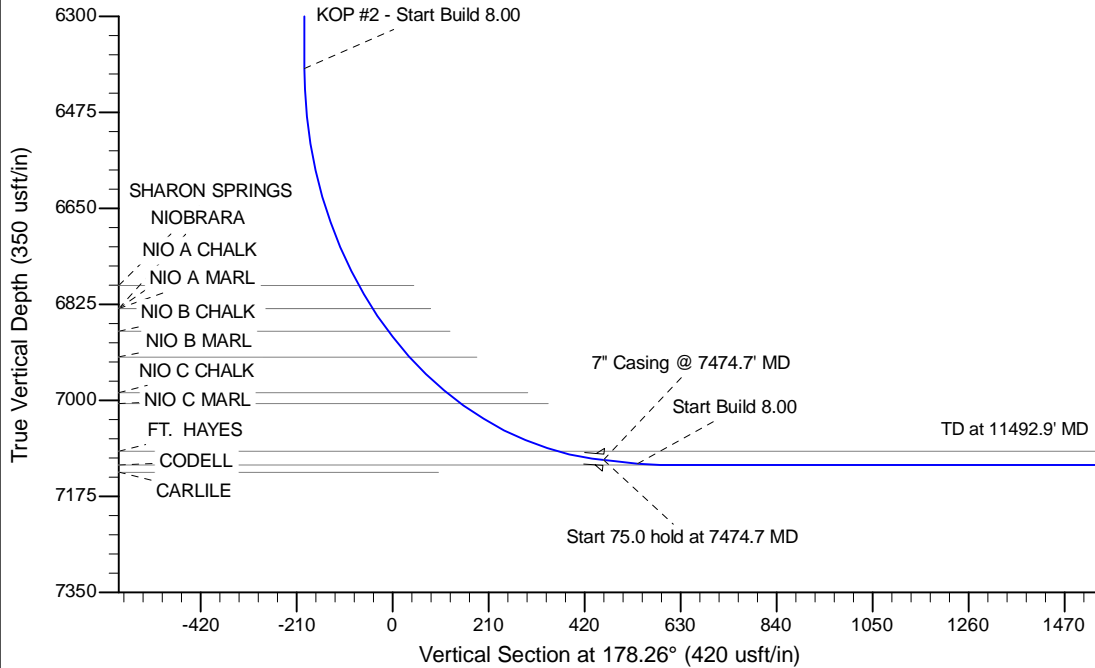
Project: Wattenberg Field
Site: Y (Sec.22-T02N-R64W) Weld County, CO
Well: Minne Y22-72HC
Wellbore: Original Drilling
Design: APD - Rev 0

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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2100.6	12.01	15.75	2096.2	60.4	17.0	2.00	15.75	-59.8	
4	2471.3	12.01	15.75	2458.8	134.6	38.0	0.00	0.00	-133.4	
5	3071.9	0.00	0.00	3055.0	195.0	55.0	2.00	180.00	-193.2	
6	6412.2	0.00	0.00	6395.3	195.0	55.0	0.00	0.00	-193.2	
7	7474.7	85.00	179.01	7108.7	-458.7	66.3	8.00	179.01	460.5	
8	7549.7	85.00	179.01	7115.3	-533.4	67.6	0.00	0.00	535.2	
9	7612.2	90.00	179.01	7118.0	-595.8	68.7	8.00	0.00	597.6	
10	11492.9	90.00	179.01	7118.0	-4476.0	135.6	0.00	0.00	4478.0	Minne Y22-72HC BHL 535'FSL, 660'FEL



WELL DETAILS: Minne Y22-72HC

Ground Level: 5009.0		Latitude		Longitude	
Northing	Easting				
0.0	0.0	1291848.12	3271039.23	40.130450	-104.530660

Plan: APD - Rev 0 (Minne Y22-72HC/Original Drilling)

Created By: Shailey Jewell	Date: 12:52, April 05 2013
Checked: _____	Date: _____
Reviewed: _____	Date: _____
Approved: _____	Date: _____