

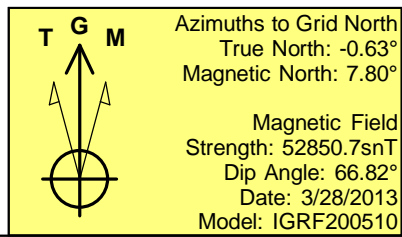
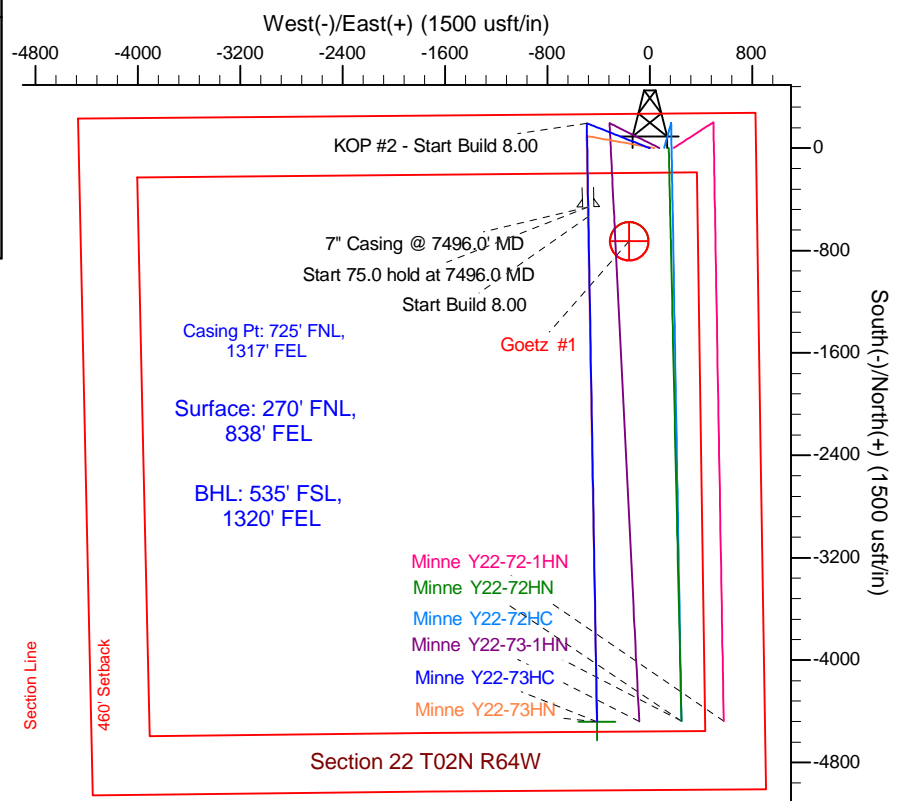
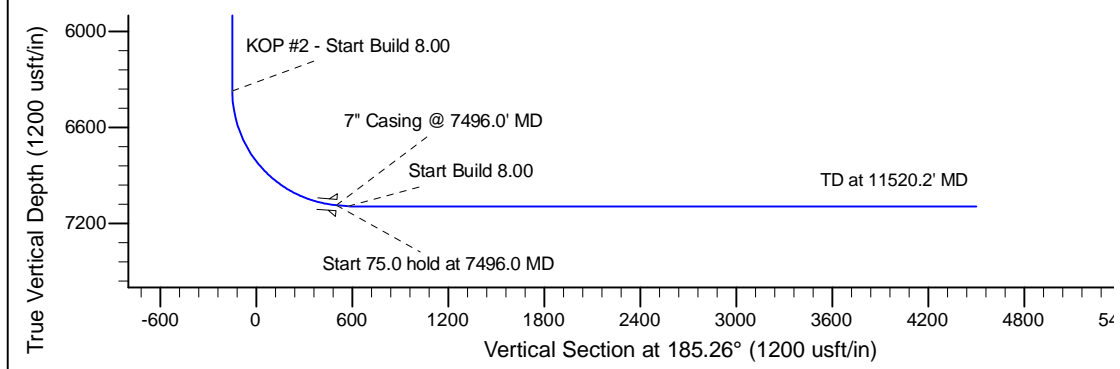
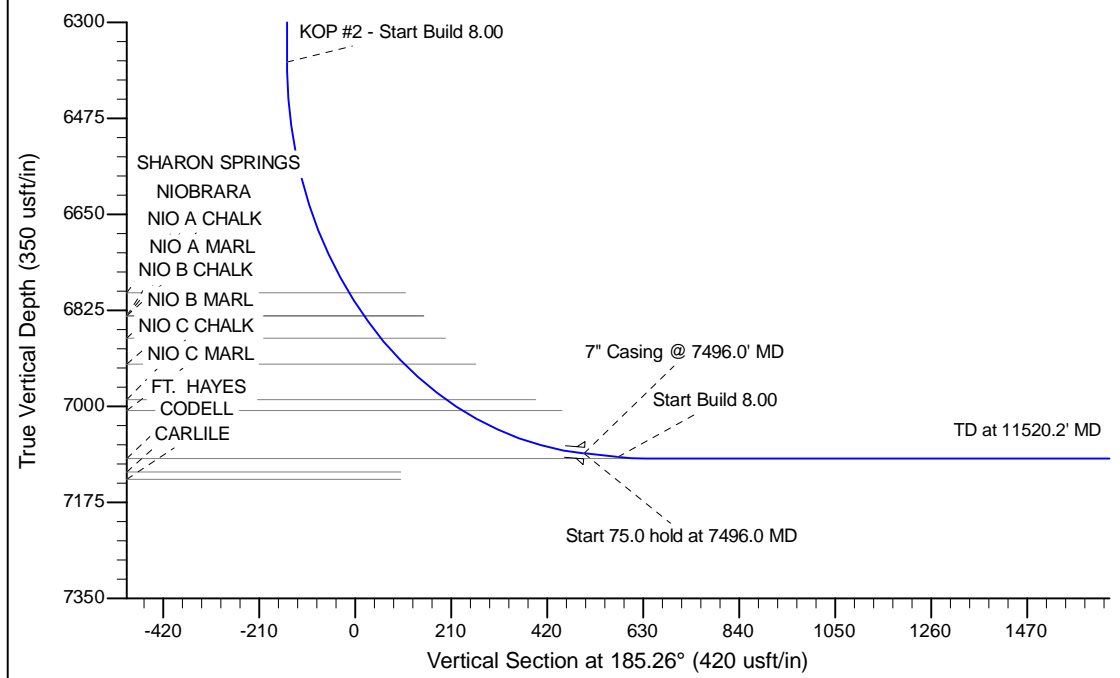
Project: Wattenberg Field
Site: Y (Sec.22-T02N-R64W) Weld County, CO
Well: Minne Y22-73HC
Wellbore: Original Drilling
Design: APD - Rev 0

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	VFace	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1752.6	15.05	291.62	1743.9	36.2	-91.4	2.00	291.62	-27.7	
4	3033.6	15.05	291.62	2981.1	158.8	-400.6	0.00	0.00	-121.4	
5	3786.2	0.00	0.00	3725.0	195.0	-492.0	2.00	180.00	-149.1	
6	6433.5	0.00	0.00	6372.3	195.0	-492.0	0.00	0.00	-149.1	
7	7496.0	85.00	179.03	7085.7	-458.7	-480.9	8.00	179.03	500.8	
8	7571.0	85.00	179.03	7092.3	-533.4	-479.6	0.00	0.00	575.1	
9	7633.5	90.00	179.03	7095.0	-595.8	-478.6	8.00	0.00	637.2	
10	11520.2	90.00	179.03	7095.0	-4481.9	-412.5	0.00	0.00	4500.9	Minne Y22-73HC BHL 535'FSL, 1320'FEL



WELL DETAILS: Minne Y22-73HC				
Ground Level: 5011.0				
0.0	0.0	Northing	Easting	Latitude
1291846.90	3270927.39	40.130450	-104.531060	
Plan: APD - Rev 0 (Minne Y22-73HC/Original Drilling)				
Created By: Shailey Jewell		Date: 13:04, April 05 2013		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		