

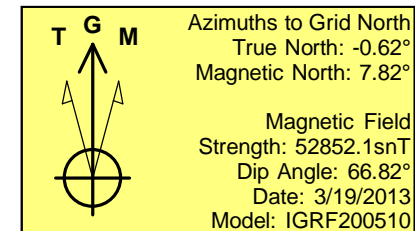
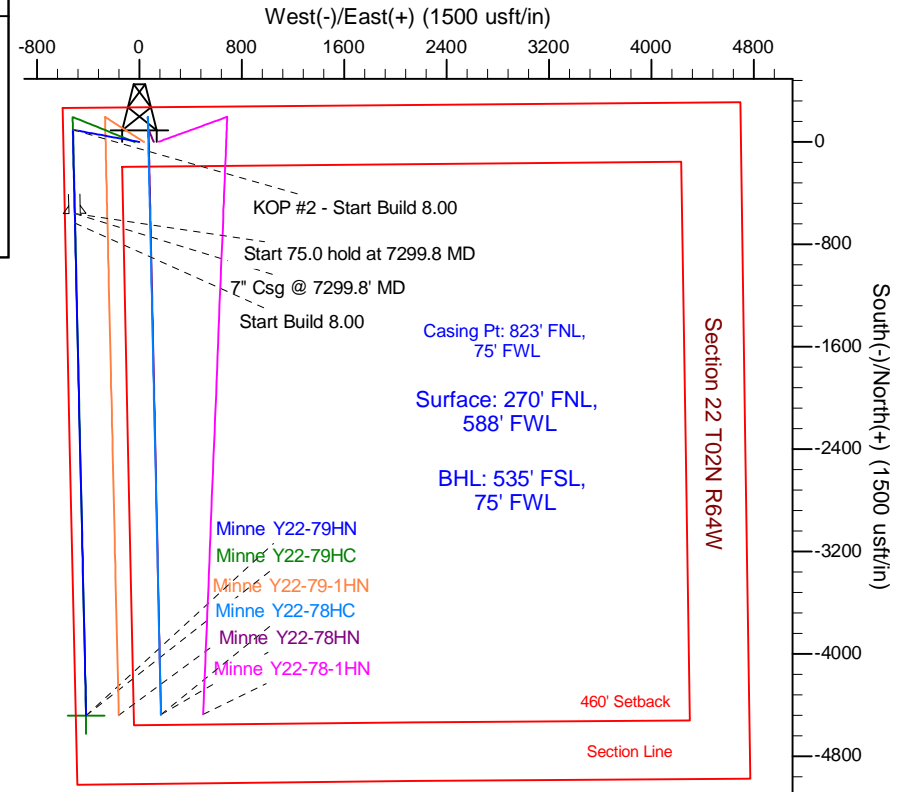
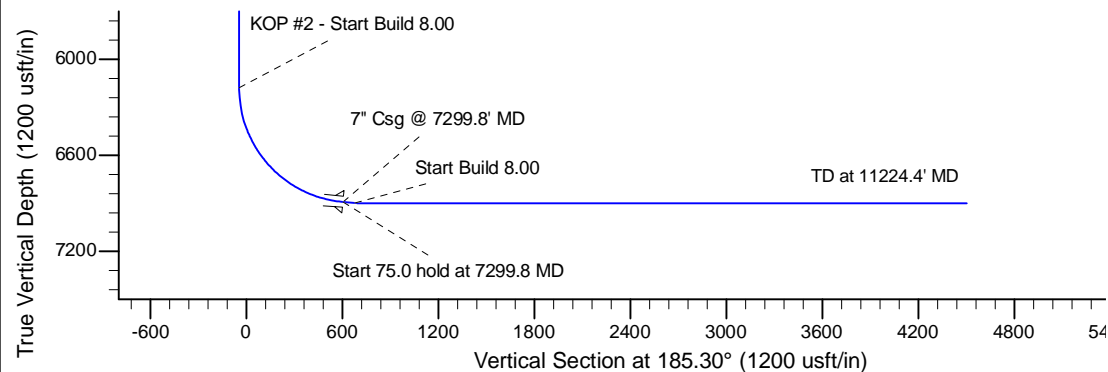
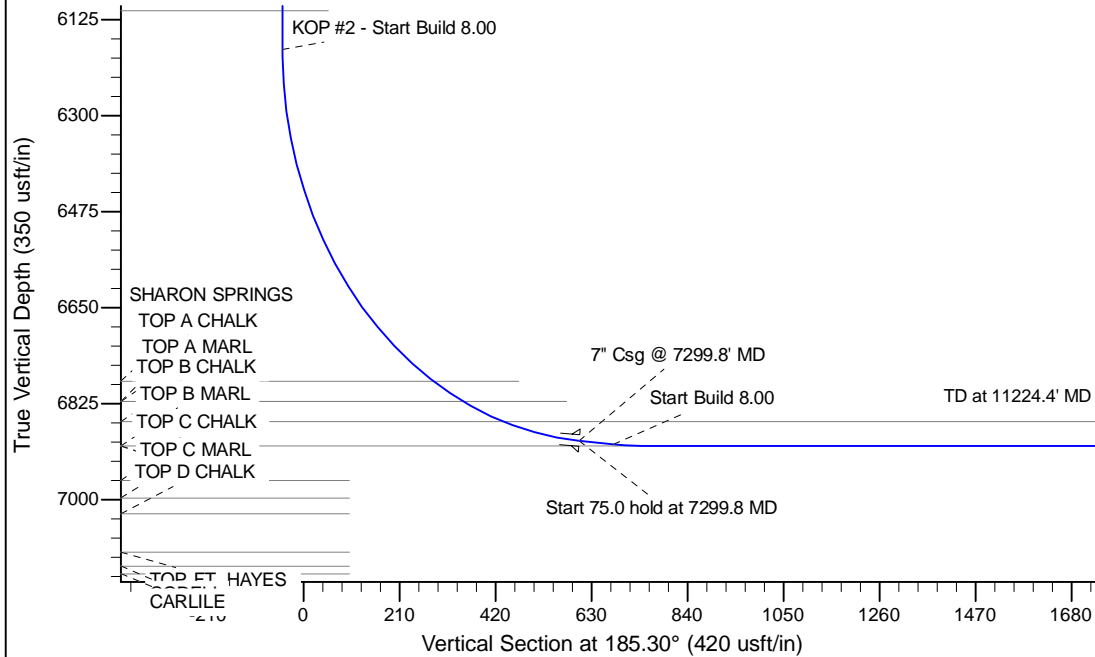
Project: Wattenberg Field
Site: Y (Sec.22-T02N-R64W) Weld County, CO
Well: Minne Y22-79HN
Wellbore: Original Drilling
Design: APD - Rev 0

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	1901.7	14.03	280.35	1894.7	15.4	-84.1	2.00	280.35	-7.5	
4	3376.3	14.03	280.35	3325.3	79.6	-435.9	0.00	0.00	-39.0	
5	4078.0	0.00	0.00	4020.0	95.0	-520.0	2.00	180.00	-46.5	
6	6237.3	0.00	0.00	6179.3	95.0	-520.0	0.00	0.00	-46.5	
7	7299.8	85.00	178.70	6892.7	-558.6	-505.2	8.00	178.70	602.9	
8	7374.8	85.00	178.70	6899.3	-633.3	-503.5	0.00	0.00	677.1	
9	7437.3	90.00	178.70	6902.0	-695.7	-502.0	8.00	0.00	739.1	
10	11224.4	90.00	178.70	6902.0	-4481.9	-416.0	0.00	0.00	4501.2	Minne Y22-79HN BHL 535'FSL, 75'FWL



WELL DETAILS: Minne Y22-79HN				
Ground Level: 4985.0				
0.0	0.0	Northing	Easting	Latitude
		1291812.23	3267060.42	40.130470
				Longitude
				-104.544890
Plan: APD - Rev 0 (Minne Y22-79HN/Original Drilling)				
Created By: Carrie Willers		Date: 14:46, March 20 2013		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		