

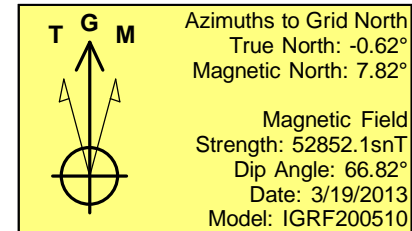
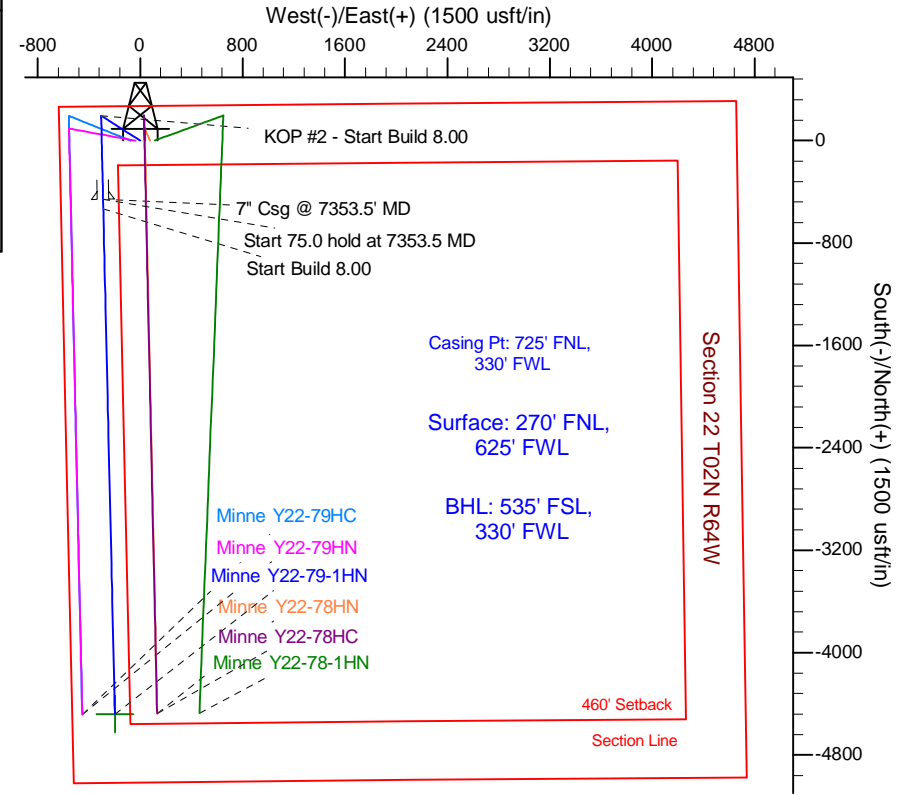
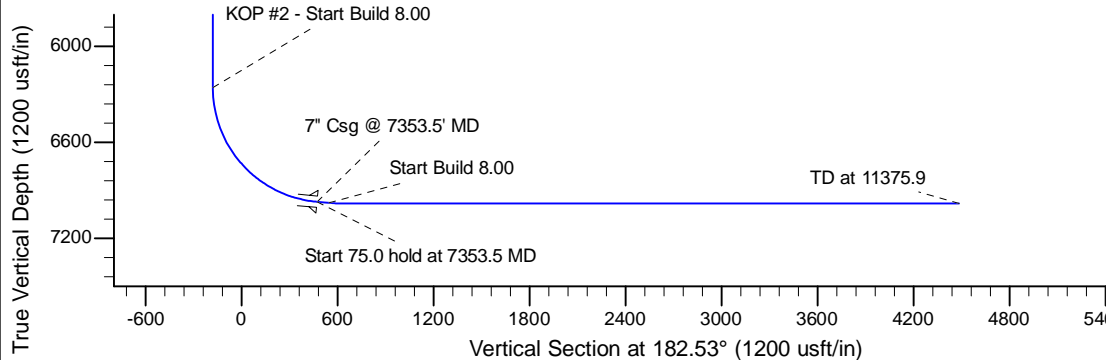
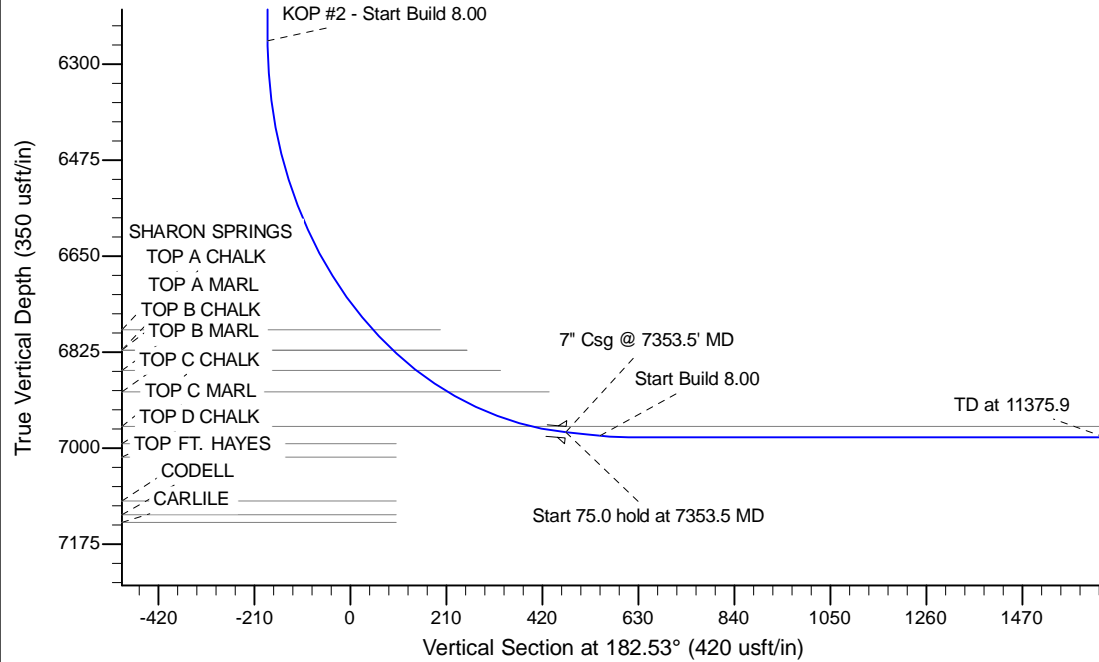
Project: Wattenberg Field  
Site: Y (Sec.22-T02N-R64W) Weld County, CO  
Well: Minne Y22-79-1HN  
Wellbore: Original Drilling  
Design: APD - Rev 0

# 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	VSect	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	2102.8	12.06	302.59	2098.4	34.0	-53.2	2.00	302.59	-31.7	
4	3231.0	12.06	302.59	3201.6	161.0	-251.8	0.00	0.00	-149.7	
5	3833.8	0.00	0.00	3800.0	195.0	-305.0	2.00	180.00	-181.4	
6	6291.0	0.00	0.00	6257.3	195.0	-305.0	0.00	0.00	-181.4	
7	7353.5	85.00	178.69	6970.7	-458.6	-290.0	8.00	178.69	471.0	
8	7428.5	85.00	178.69	6977.3	-533.3	-288.3	0.00	0.00	545.5	
9	7491.0	90.00	178.69	6980.0	-595.7	-286.9	8.00	0.00	607.8	
10	11375.9	90.00	178.69	6980.0	-4479.6	-197.9	0.00	0.00	4483.9	Minne Y22-79-1HN BHL 535'FSL, 330'FWL



WELL DETAILS: Minne Y22-79-1HN				
Ground Level: 4985.0				
0.0	0.0	Northing	Easting	Latitude
		1291812.63	3267096.77	40.130470
				Longitude
				-104.544760
Plan: APD - Rev 0 (Minne Y22-79-1HN/Original Drilling)				
Created By: Carrie Willers		Date: 14:42, March 20 2013		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		