

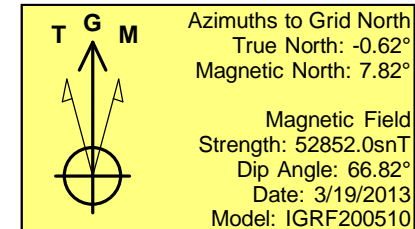
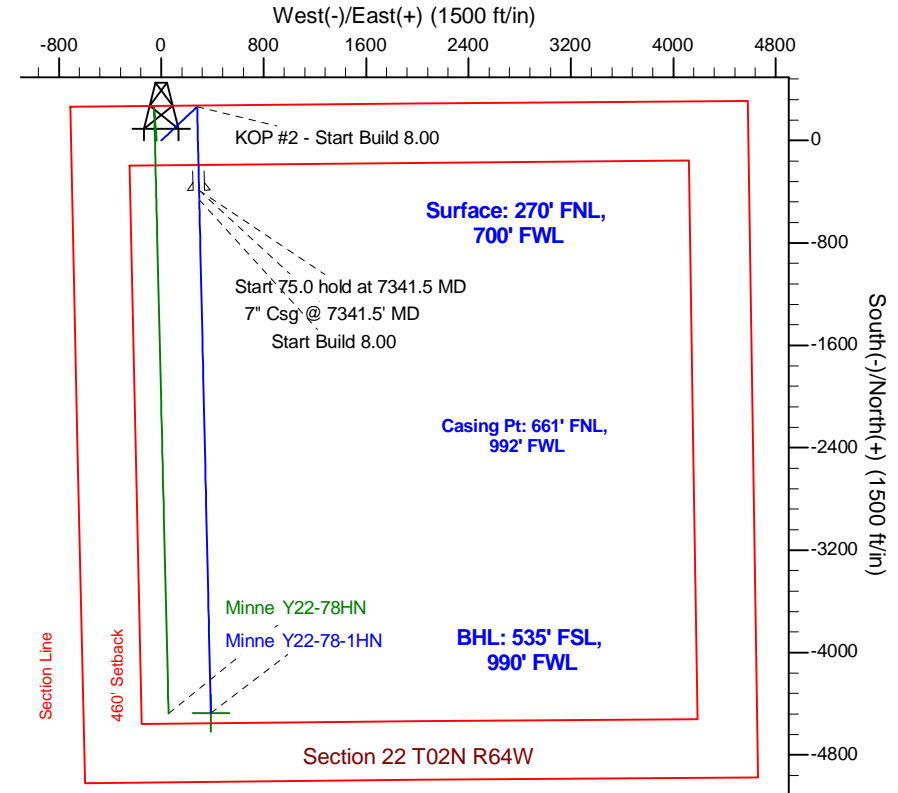
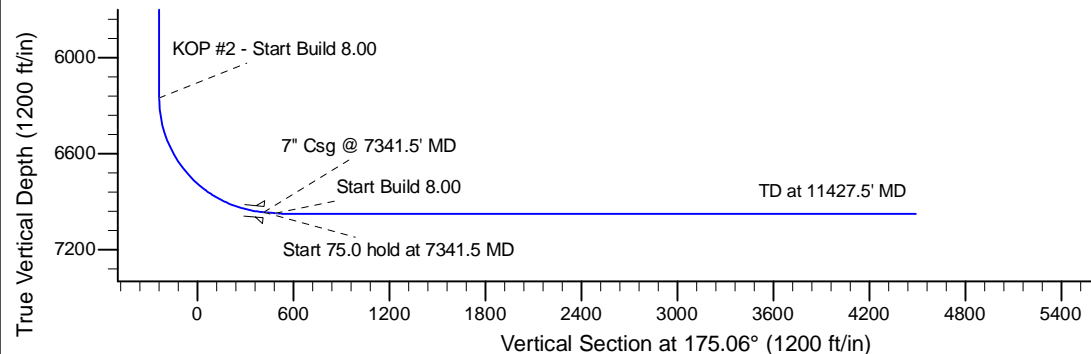
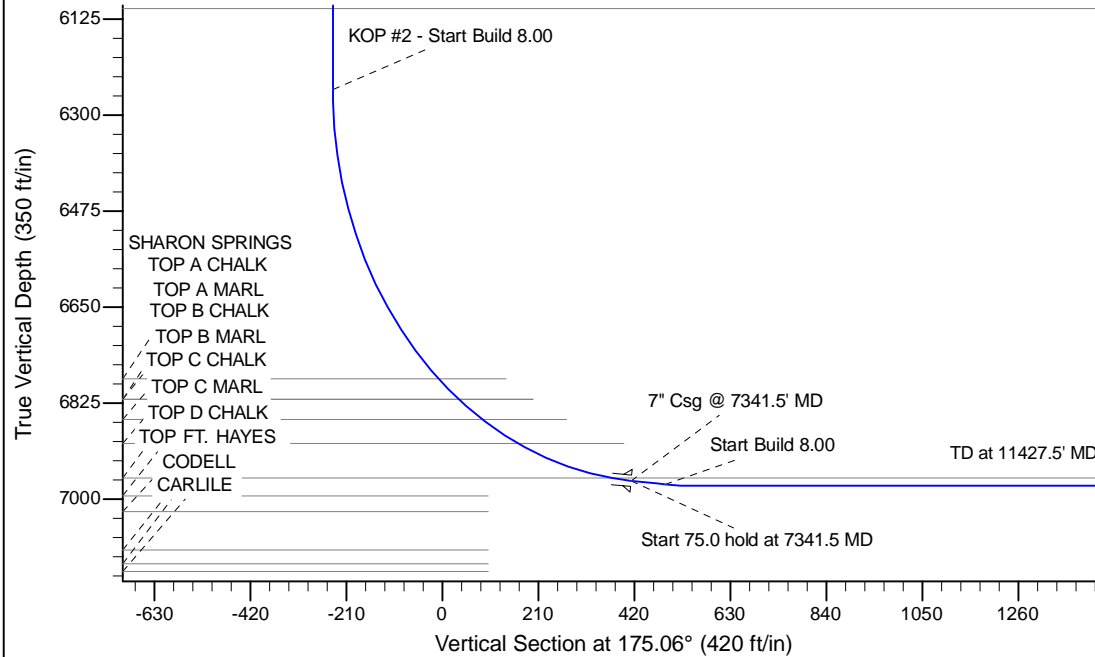
Project: Wattenberg Field  
Site: Y (Sec.22-T02N-R64W) Weld County, CO  
Well: Minne Y22-78-1HN  
Wellbore: Original Drilling  
Design: APD - Rev 1

# Northern Region Drilling - Working

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	1900.6	8.01	46.58	1899.3	19.2	20.3	2.00	46.58	-17.4	
4	4265.1	8.01	46.58	4240.7	245.8	259.7	0.00	0.00	-222.5	
5	4665.7	0.00	0.00	4640.0	265.0	280.0	2.00	180.00	-239.9	
6	6279.0	0.00	0.00	6253.3	265.0	280.0	0.00	0.00	-239.9	
7	7341.5	85.00	178.71	6966.7	-388.6	294.7	8.00	178.71	412.5	
8	7416.5	85.00	178.71	6973.3	-463.3	296.4	0.00	0.00	487.1	
9	7479.0	90.00	178.71	6976.0	-525.7	297.8	8.00	0.00	549.4	
10	11427.5	90.00	178.71	6976.0	-4473.3	386.6	0.00	0.00	4489.9	Minne Y22-78-1HN BHL 535'FSL, 990'FWL



WELL DETAILS: Minne Y22-78-1HN				
Ground Level: 4986.0				
0.0	0.0	Northing	Easting	Latitude
1291813.44	3267172.26	40.130470	-104.544490	
Plan: APD - Rev 1 (Minne Y22-78-1HN/Original Drilling)				
Created By: Shailey Jewell		Date: 14:00, November 20 2014		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		