

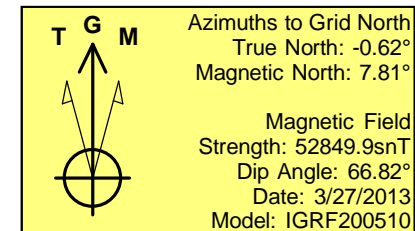
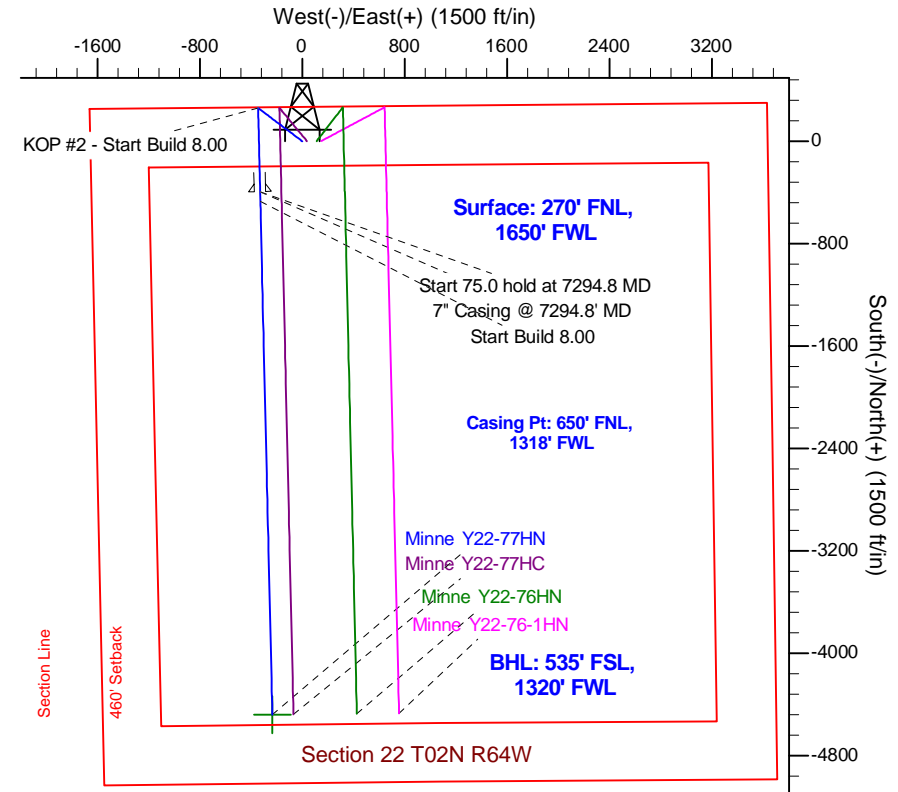
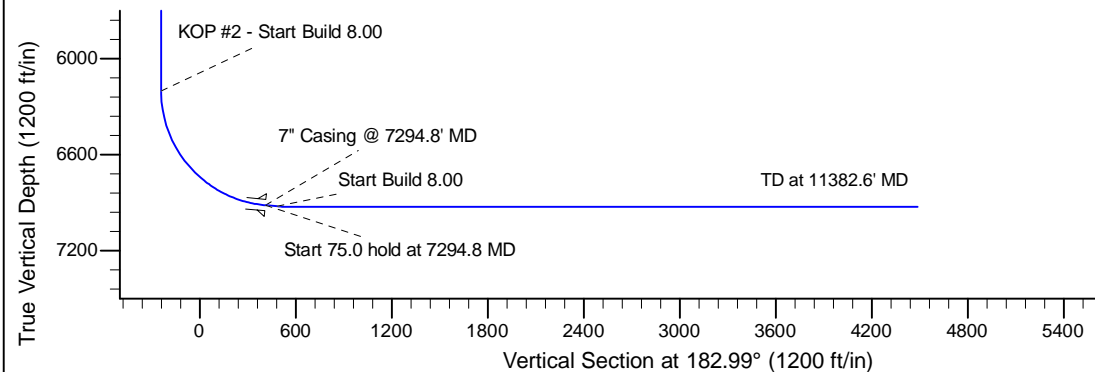
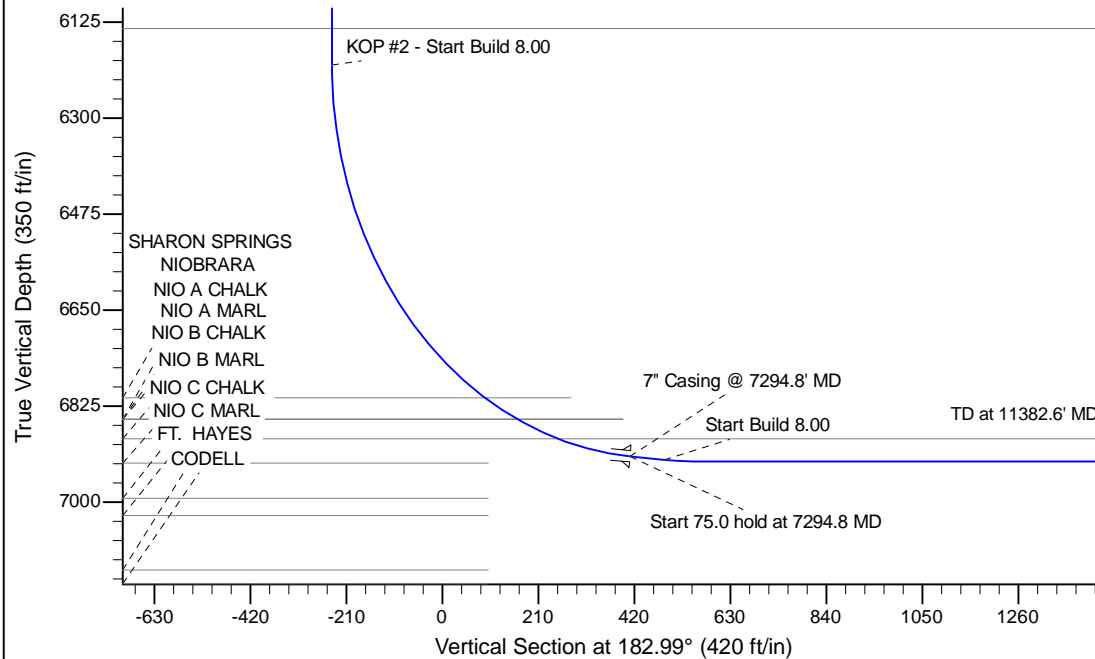
Project: Wattenberg Field  
Site: Y (Sec.22-T02N-R64W) Weld County, CO  
Well: Minne Y22-77HN  
Wellbore: Original Drilling  
Design: APD - Rev 1

# 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	1901.4	8.03	307.00	1900.1	16.9	-22.4	2.00	307.00	-15.7	
4	4592.6	8.03	307.00	4564.9	243.1	-322.6	0.00	0.00	-225.9	
5	4994.0	0.00	0.00	4965.0	260.0	-345.0	2.00	180.00	-241.6	
6	6232.3	0.00	0.00	6203.3	260.0	-345.0	0.00	0.00	-241.6	
7	7294.8	85.00	178.66	6916.7	-393.6	-329.7	8.00	178.66	410.3	
8	7369.8	85.00	178.66	6923.3	-468.3	-328.0	0.00	0.00	484.8	
9	7432.3	90.00	178.66	6926.0	-530.7	-326.5	8.00	0.00	547.0	
10	11382.6	90.00	178.66	6926.0	-4479.9	-234.0	0.00	0.00	4486.1	Minne Y22-77HN BHL 535'FSL, 1320'FWL



WELL DETAILS: Minne Y22-77HN				
Ground Level: 5008.0				
0.0	0.0	Northing	Easting	Latitude
		1291823.68	3268122.91	40.130470
				Longitude
				-104.541090
Plan: APD - Rev 1 (Minne Y22-77HN/Original Drilling)				
Created By: Shailey Jewell		Date: 8:02, November 24 2014		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		