

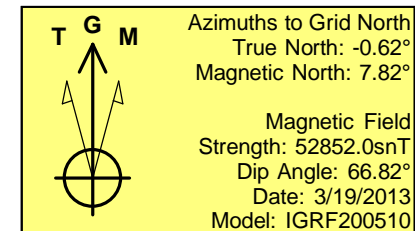
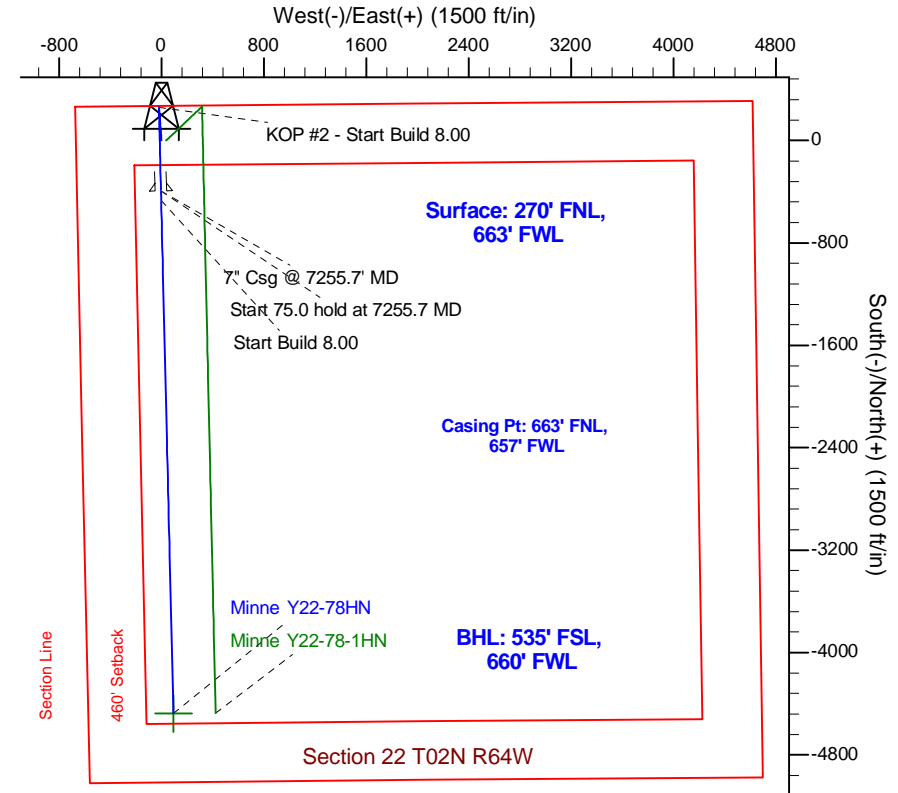
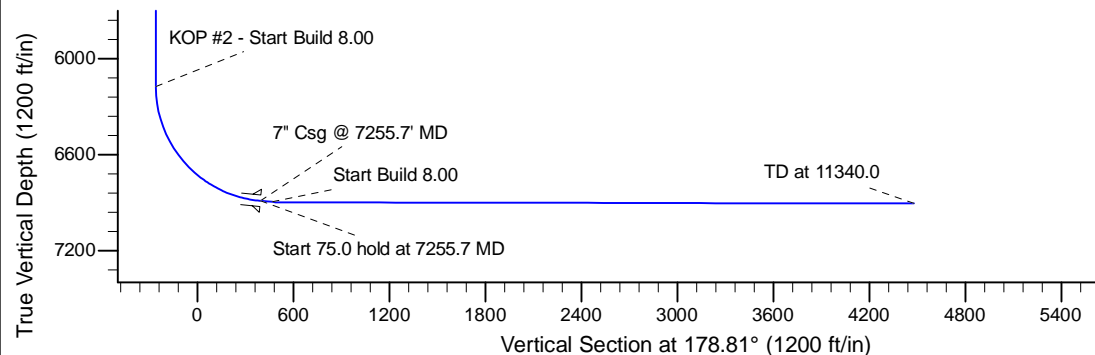
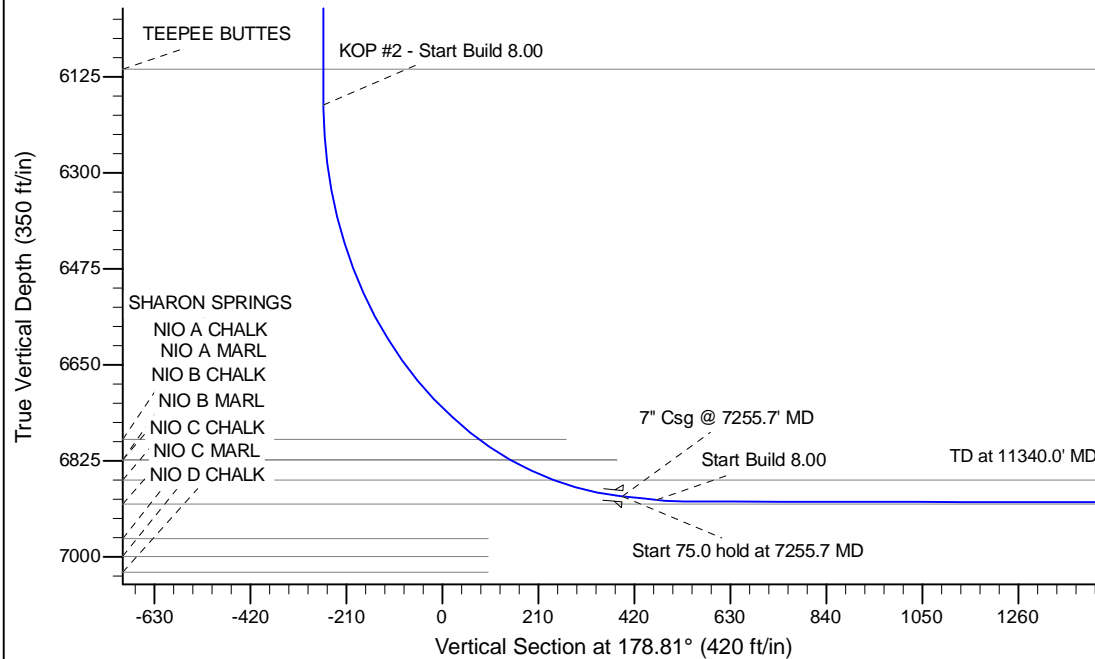
Project: Wattenberg Field
Site: Y (Sec.22-T02N-R64W) Weld County, CO
Well: Minne Y22-78HN
Wellbore: Original Drilling
Design: APD - Rev 1

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	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2201.7	8.03	355.60	2200.3	28.0	-2.2	2.00	355.60	-28.1	
4	3665.3	8.03	355.60	3649.7	232.0	-17.8	0.00	0.00	-232.3	
5	4067.0	0.00	0.00	4050.0	260.0	-20.0	2.00	180.00	-260.4	
6	6193.2	0.00	0.00	6176.2	260.0	-20.0	0.00	0.00	-260.4	
7	7255.7	85.00	178.63	6889.6	-393.6	-4.4	8.00	178.63	393.4	
8	7330.7	85.00	178.63	6896.2	-468.3	-2.6	0.00	0.00	468.1	
9	7391.9	89.90	178.63	6898.9	-529.4	-1.2	8.00	0.00	529.3	
10	11340.0	89.90	178.63	6905.8	-4476.4	93.0	0.00	0.00	4477.4	Minne Y22-78HN BHL 535'FSL, 660'FWL



WELL DETAILS: Minne Y22-78HN				
Ground Level: 4986.0				
0.0	0.0	Northing	Easting	Latitude
		1291813.05	3267135.91	40.130470
				Longitude
				-104.544620
Plan: APD - Rev 1 (Minne Y22-78HN/Original Drilling)				
Created By: Shailey Jewell		Date: 14:38, November 20 2014		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		