

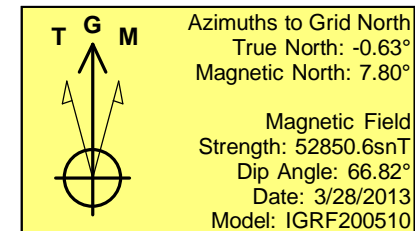
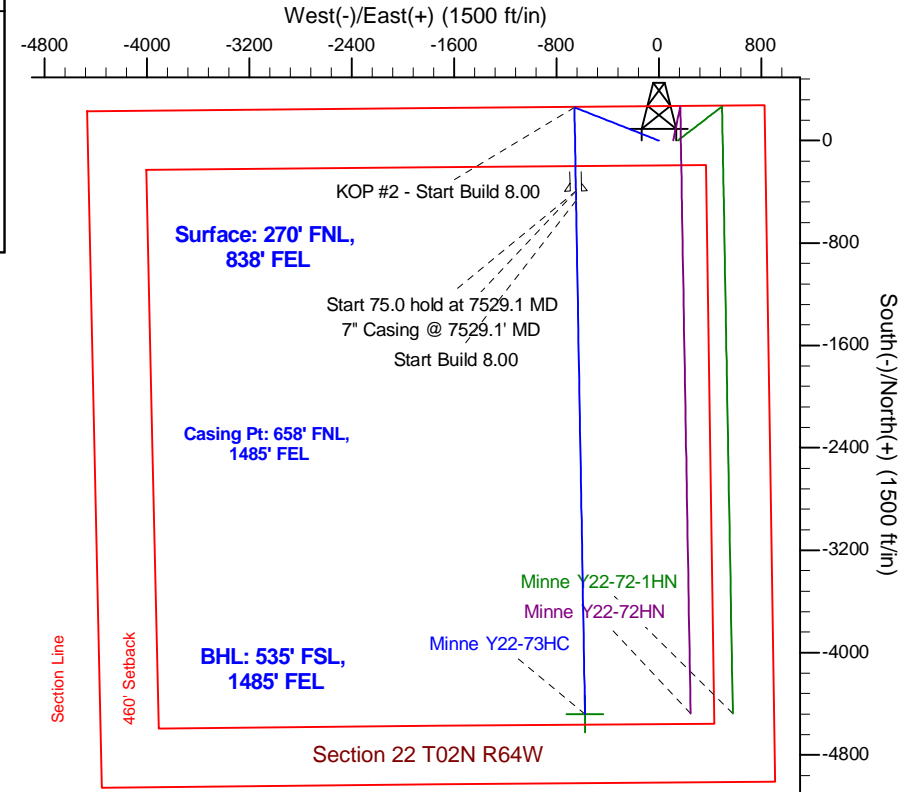
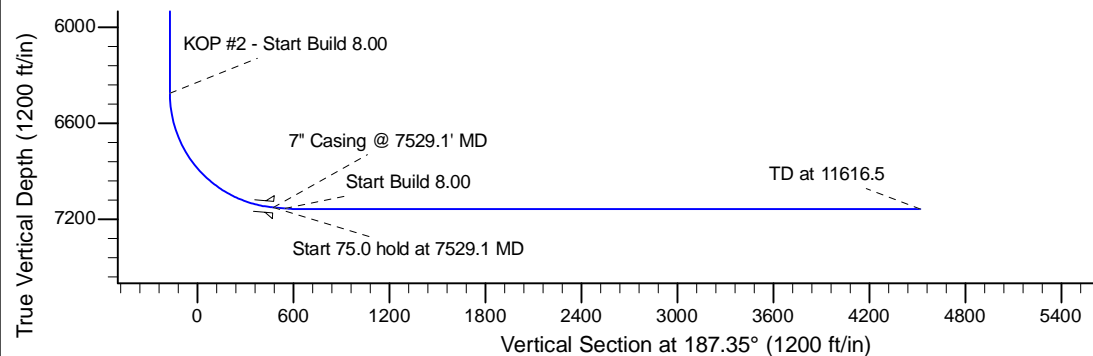
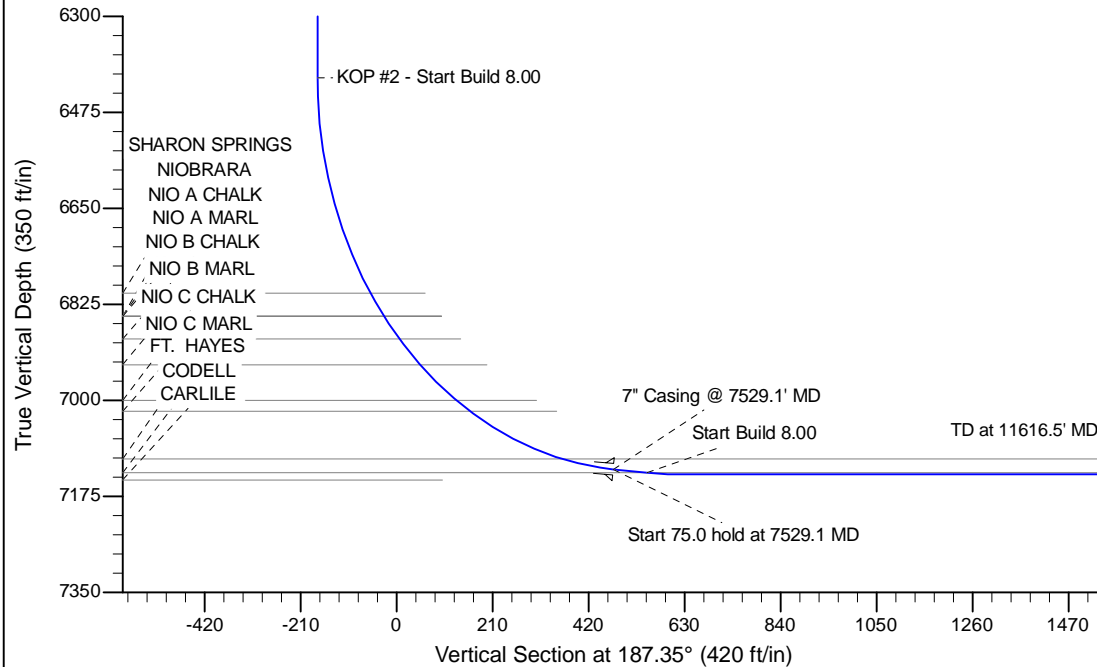
Project: Wattenberg Field
Site: Y (Sec.22-T02N-R64W) Weld County, CO
Well: Minne Y22-73HC
Wellbore: Original Drilling
Design: APD - Rev 1

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	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	1653.3	9.07	291.50	1651.4	13.1	-33.3	2.00	291.50	-8.8	
4	5701.1	9.07	291.50	5648.6	246.9	-626.7	0.00	0.00	-164.7	
5	6154.3	0.00	0.00	6100.0	260.0	-660.0	2.00	180.00	-173.5	
6	6466.6	0.00	0.00	6412.3	260.0	-660.0	0.00	0.00	-173.5	
7	7529.1	85.00	179.00	7125.7	-393.7	-648.6	8.00	179.00	473.4	
8	7604.1	85.00	179.00	7132.3	-468.4	-647.3	0.00	0.00	547.3	
9	7666.6	90.00	179.00	7135.0	-530.8	-646.2	8.00	0.00	609.1	
10	11616.5	90.00	179.00	7135.0	-4480.1	-577.6	0.00	0.00	4517.2	Minne Y22-73HC BHL 535'FSL, 1485'FEL



WELL DETAILS: Minne Y22-73HC					
Ground Level: 5012.0					
Northing		Easting		Latitude	
0.0	0.0	1291846.90	3270927.39	40.130450	-104.531060
Longitude					
Plan: APD - Rev 1 (Minne Y22-73HC/Original Drilling)					
Created By: Shailey Jewell			Date: 10:16, November 20 2014		
Checked: _____			Date: _____		
Reviewed: _____			Date: _____		
Approved: _____			Date: _____		