

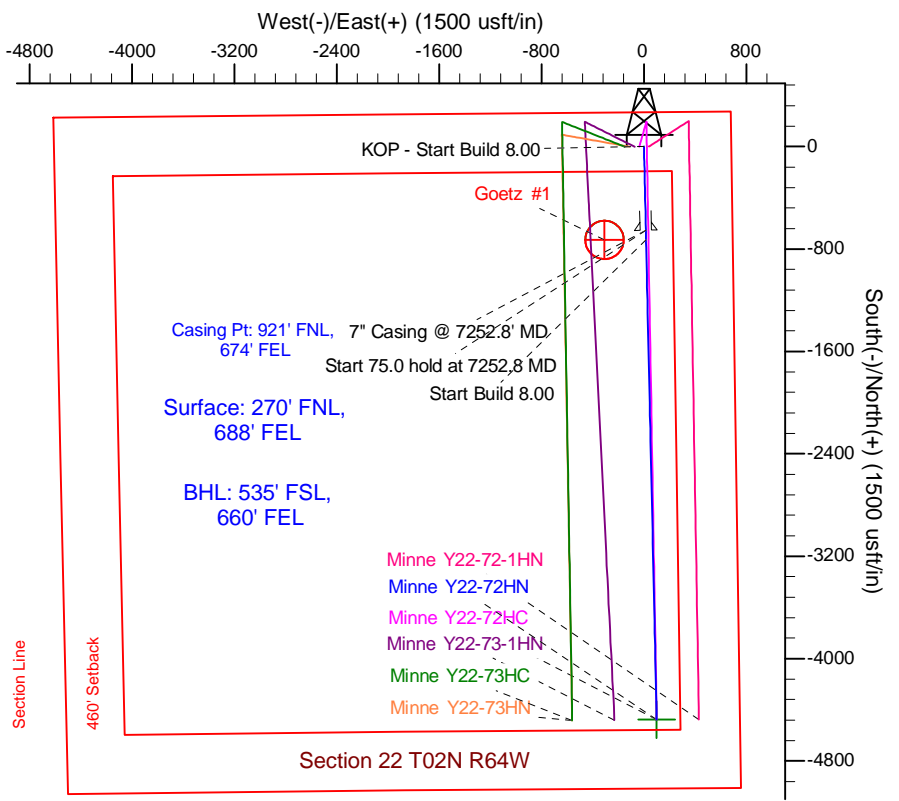
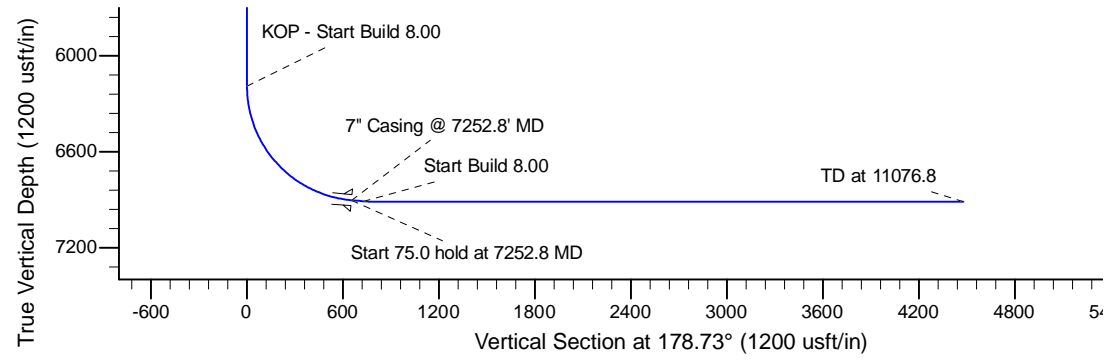
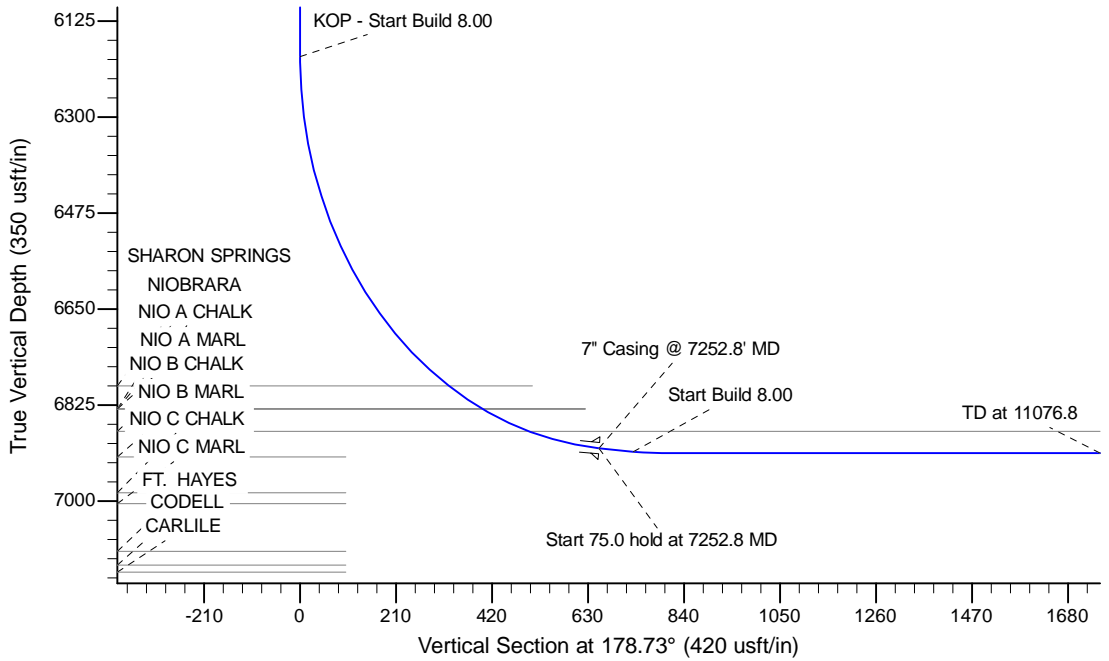
Project: Wattenberg Field
Site: Y (Sec.22-T02N-R64W) Weld County, CO
Well: Minne Y22-72HN
Wellbore: Original Drilling
Design: APD - Rev 0

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	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	6190.3	0.00	0.00	6190.3	0.0	0.0	0.00	0.00	0.0	
3	7252.8	85.00	178.73	6903.7	-653.6	14.5	8.00	178.73	653.8	
4	7327.8	85.00	178.73	6910.3	-728.3	16.2	0.00	0.00	728.5	
5	7390.3	90.00	178.73	6913.0	-790.7	17.5	8.00	0.00	790.9	
6	11076.8	90.00	178.73	6913.0	-4476.3	99.3	0.00	0.00	4477.4	Minne Y22-72HN BHL 535'FSL, 660'FEL



T

G

M

Azimuths to Grid North
True North: -0.63°
Magnetic North: 7.80°

Magnetic Field
Strength: 52850.8snT
Dip Angle: 66.82°
Date: 3/28/2013
Model: IGRF200510

WELL DETAILS: Minne Y22-72HN					
Ground Level: 5008.0					
0.0	0.0	Northing	Easting	Latitude	Longitude
		1291848.52	3271075.57	40.130450	-104.530530
Plan: APD - Rev 0 (Minne Y22-72HN/Original Drilling)					
Created By: Shailey Jewell		Date: 12:36, April 05 2013			
Checked: _____		Date: _____			
Reviewed: _____		Date: _____			
Approved: _____		Date: _____			