

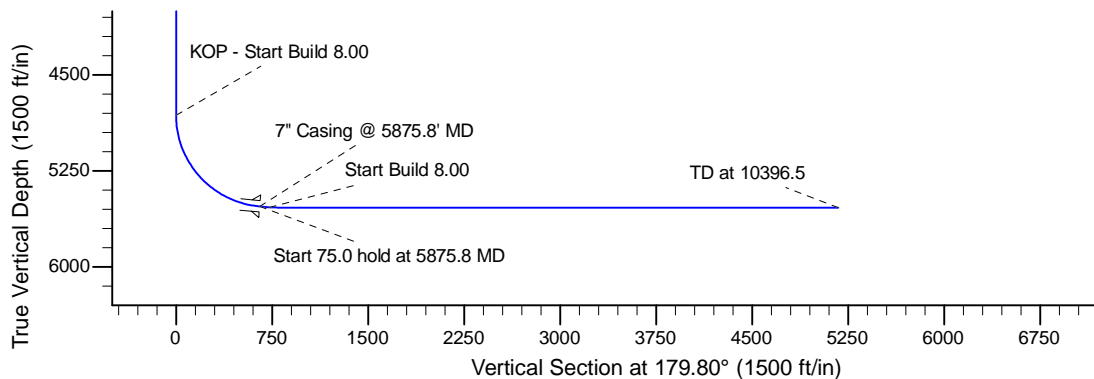
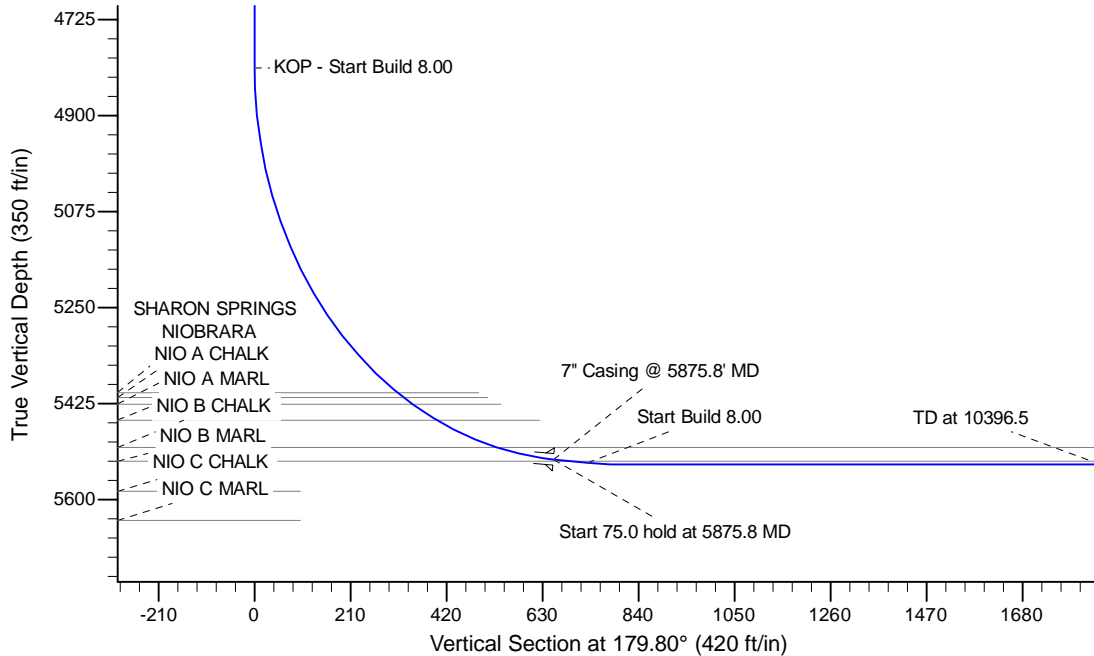
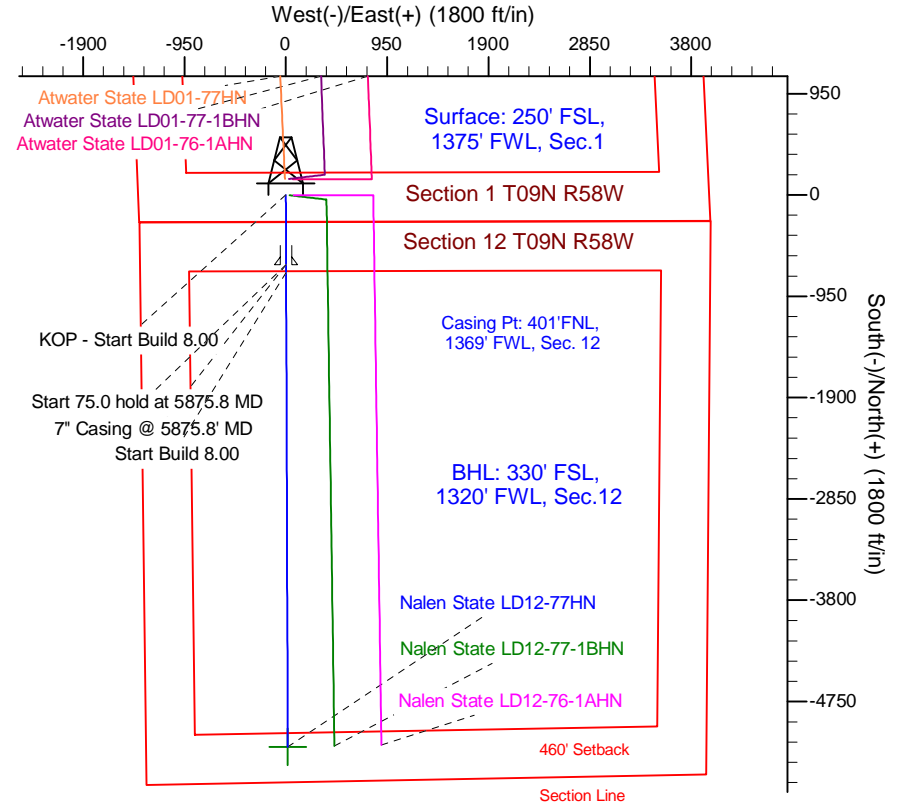
Project: Wattenberg Field
 Site: LD (Sec.1-T09N-R58W) Weld County, CO
 Well: Nalen State LD12-77HN
 Wellbore: Original Drilling
 Design: APD - Rev 1

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	V Sect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4813.3	0.00	0.00	4813.3	0.0	0.0	0.00	0.00	0.0	
3	5875.8	85.00	179.80	5526.7	-653.8	2.3	8.00	179.80	653.8	
4	5950.8	85.00	179.80	5533.3	-728.5	2.5	0.00	0.00	728.5	
5	6013.3	90.00	179.80	5536.0	-790.9	2.7	8.00	0.00	790.9	
6	10396.5	90.00	179.80	5536.0	-5174.1	17.9	0.00	0.00	5174.2	Nalen State LD12-77HN BHL 330'FSL, 1320'FWL



T G M

Azimuths to Grid North
 True North: -1.09°
 Magnetic North: 6.85°

Magnetic Field
 Strength: 53156.1snT
 Dip Angle: 67.41°
 Date: 3/17/2014
 Model: IGRF200510

WELL DETAILS: Nalen State LD12-77HN					
Ground Level: 4647.0					
0.0	0.0	1529235.53	3466210.38	40.773990	-103.816670
Northing	Easting	Latitude	Longitude		
Plan: APD - Rev 1 (Nalen State LD12-77HN/Original Drilling)					
Created By: Shailey Jewell		Date: 13:56, August 11 2014			
Checked: _____		Date: _____			
Reviewed: _____		Date: _____			
Approved: _____		Date: _____			