

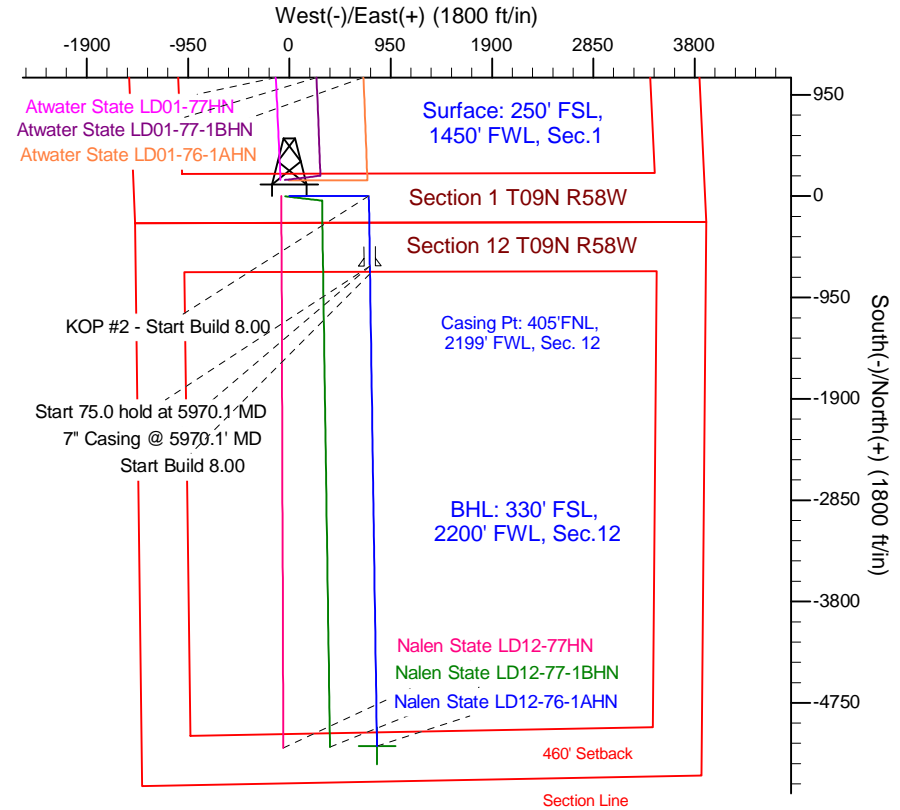
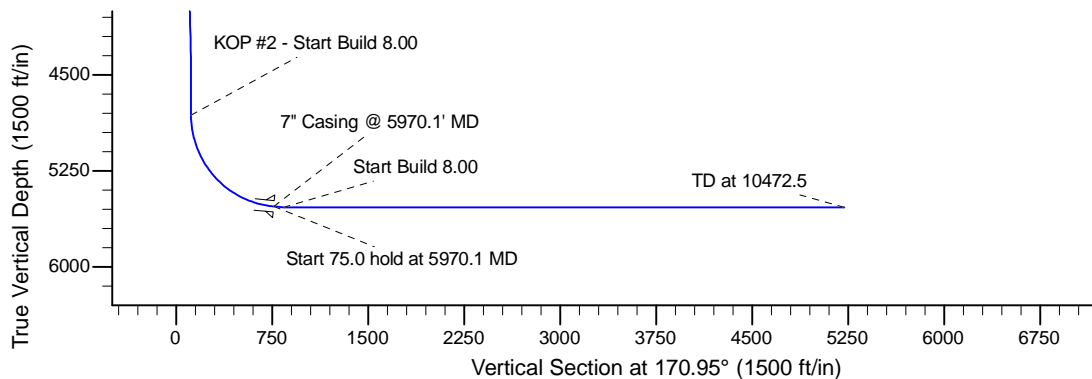
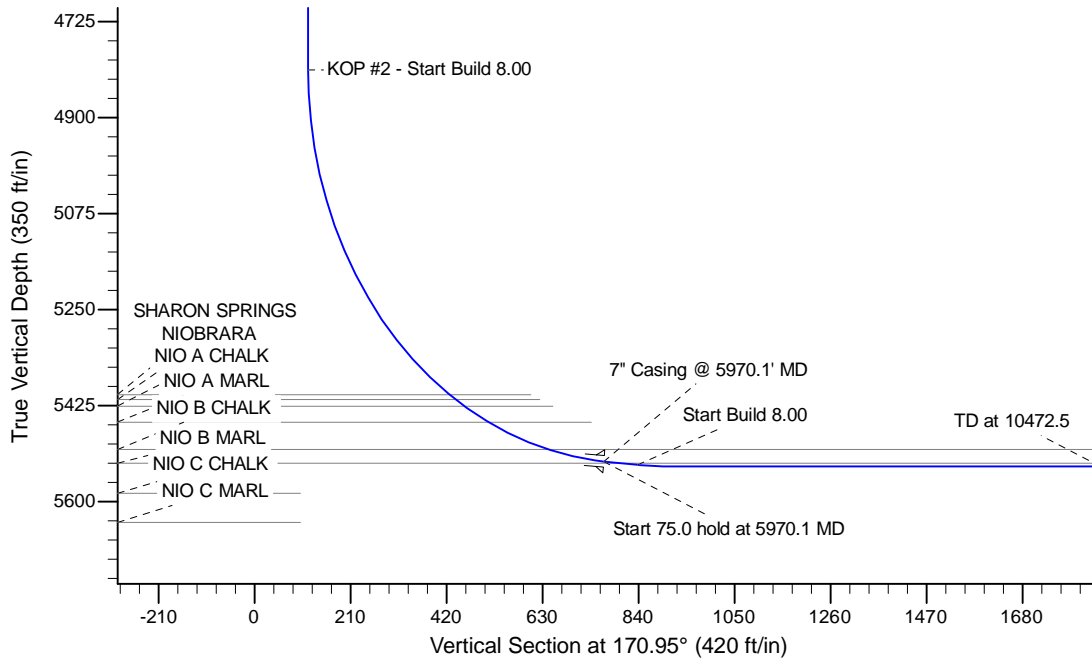
Project: Wattenberg Field
 Site: LD (Sec.1-T09N-R58W) Weld County, CO
 Well: Nalen State LD12-76-1AHN
 Wellbore: Original Drilling
 Design: APD - Rev 1

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	2001.4	16.03	90.00	1991.0	0.0	111.4	2.00	90.00	17.5	
4	3892.9	16.03	90.00	3809.0	0.0	633.6	0.00	0.00	99.7	
5	4694.4	0.00	0.00	4600.0	0.0	745.0	2.00	180.00	117.2	
6	4907.6	0.00	0.00	4813.3	0.0	745.0	0.00	0.00	117.2	
7	5970.1	85.00	179.15	5526.7	-653.7	754.6	8.00	179.15	764.3	
8	6045.1	85.00	179.15	5533.3	-728.4	755.7	0.00	0.00	838.2	
9	6107.6	90.00	179.15	5536.0	-790.8	756.7	8.00	0.00	900.0	
10	10472.5	90.00	179.15	5536.0	-5155.2	821.1	0.00	0.00	5220.2	Nalen State LD12-76-1AHN BHL 330'FSL, 2200'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 LD12-76-1AHN					
		Ground Level: 4647.0			
	Northing	Easting	Latitude	Longitude	
0.0	0.0	1529233.30	3466285.22	40.773980	-103.816400

Plan: APD - Rev 1 (Nalen State LD12-76-1AHN/Original Drilling)	
Created By: Shailey Jewell	Date: 14:08, August 11 2014
Checked: _____	Date: _____
Reviewed: _____	Date: _____
Approved: _____	Date: _____