

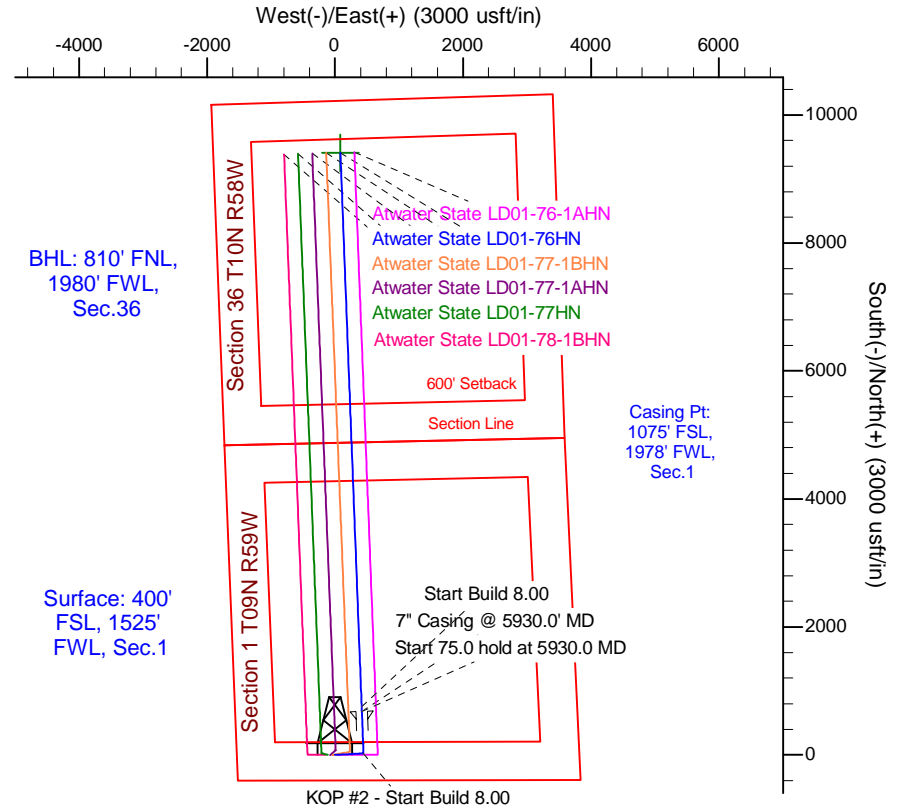
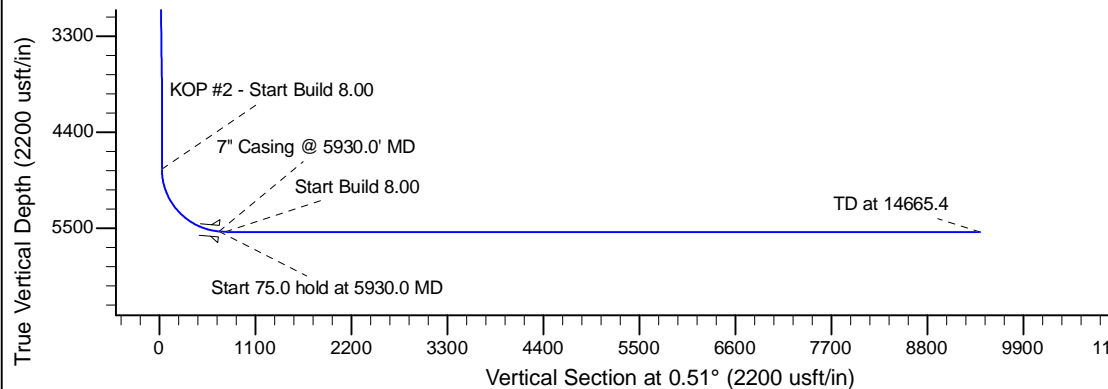
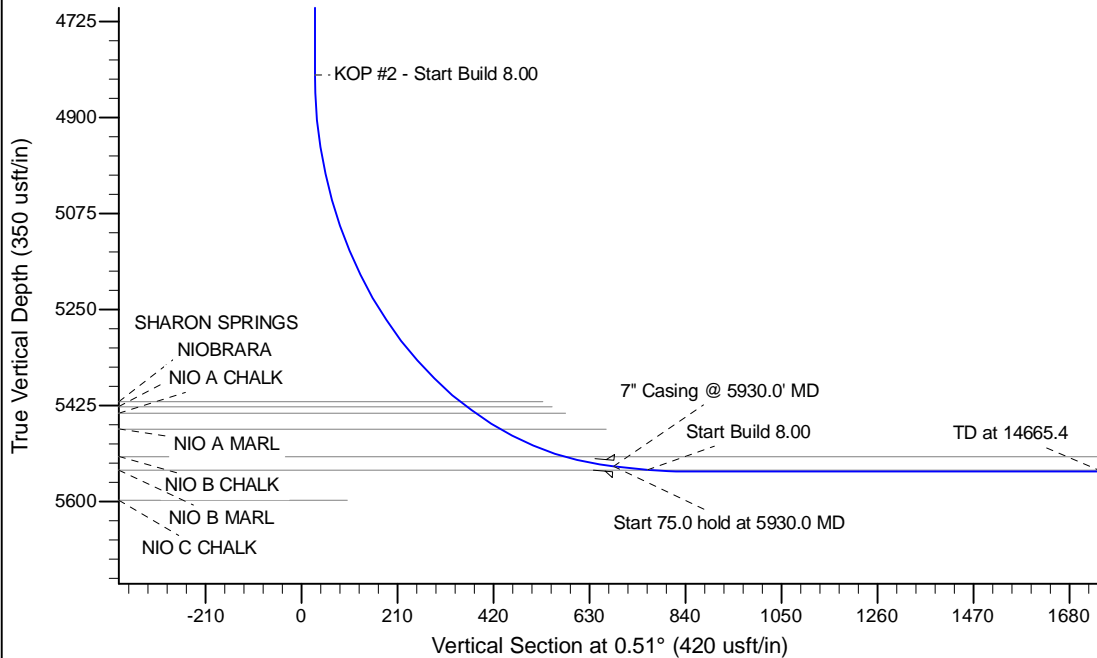
Project: Wattenberg Field
 Site: LD (Sec.1-T09N-R58W) Weld County, CO
 Well: Atwater State LD01-76HN
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2151.6	13.03	86.78	2146.0	4.1	73.7	2.00	86.78	4.8	
4	3473.6	13.03	86.78	3434.0	20.9	371.3	0.00	0.00	24.2	
5	4125.3	0.00	0.00	4080.0	25.0	445.0	2.00	180.00	29.0	
6	4867.5	0.00	0.00	4822.3	25.0	445.0	0.00	0.00	29.0	
7	5930.0	85.00	357.80	5535.7	678.3	419.9	8.00	357.80	682.0	
8	6005.0	85.00	357.80	5542.3	753.0	417.0	0.00	0.00	756.7	
9	6067.5	90.00	357.80	5545.0	815.3	414.6	8.00	0.00	819.0	
10	14665.4	90.00	357.80	5545.0	9406.8	84.4	0.00	0.00	9407.2	Atwater State LD01-76HN BHL 810'FNL, 1980'FWL



T G M

Azimuths to Grid North
 True North: -1.09°
 Magnetic North: 6.86°

Magnetic Field
 Strength: 53164.1snT
 Dip Angle: 67.42°
 Date: 2/18/2014
 Model: IGRF200510

WELL DETAILS: Atwater State LD01-76HN					
Ground Level: 4648.0					
0.0	0.0	1529383.98	3466351.61	40.774390	-103.816150
Northing	Easting	Latitude	Longitude		

Plan: APD - Rev 0 (Atwater State LD01-76HN/Original Drilling)
 Created By: Shailey Jewell Date: 11:44, February 18 2014

**OK to submit with 2A as per Noble Drilling
 3/18/2014 2:57**