

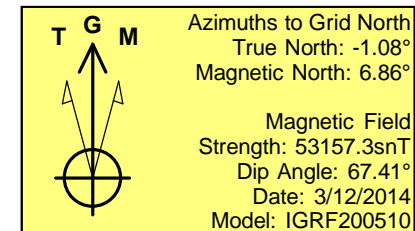
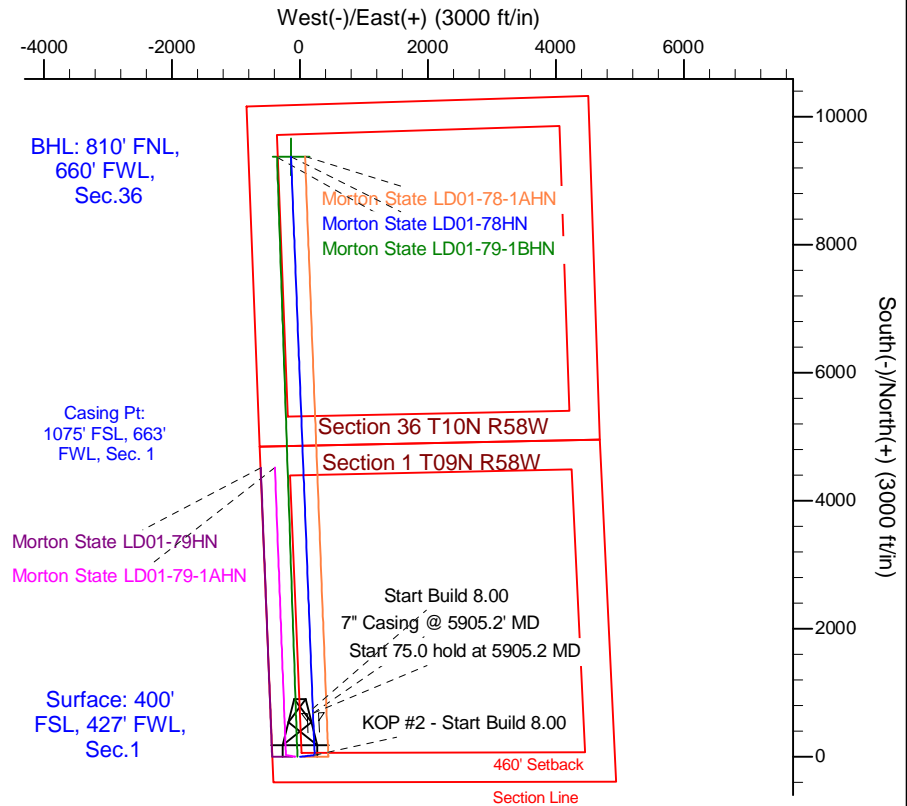
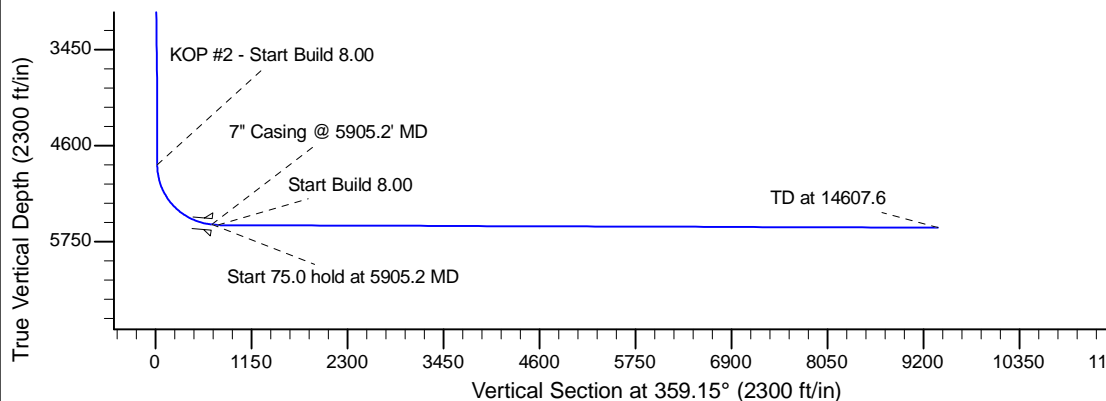
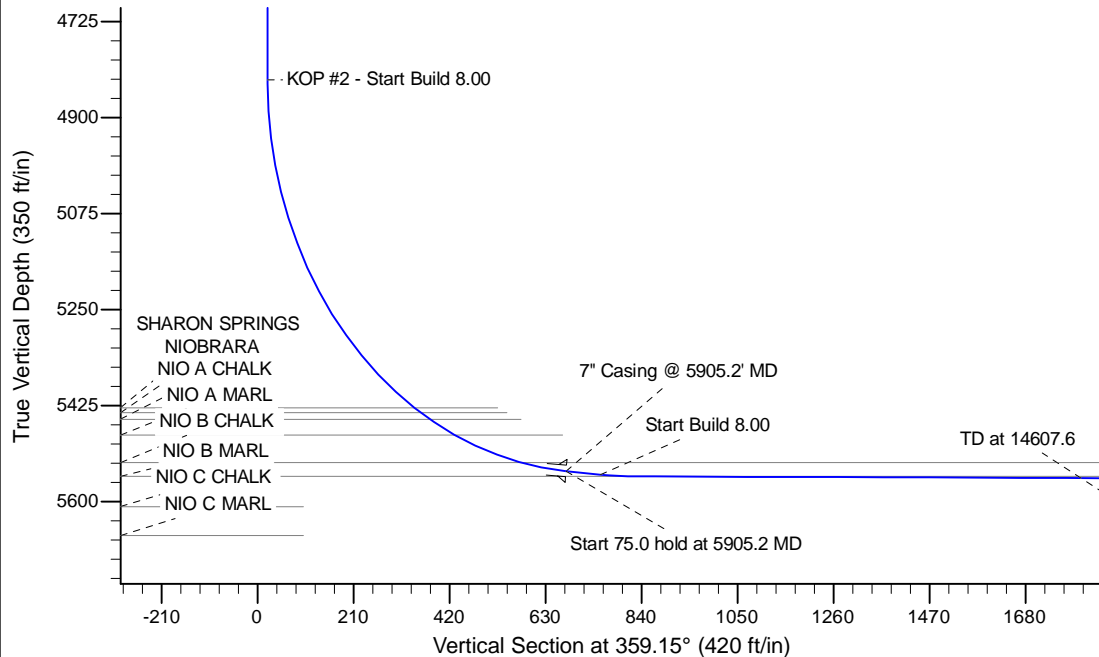
Project: Wattenberg Field
 Site: LD (Sec.1-T09N-R58W) Weld County, CO
 Well: Morton State LD01-78HN
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2101.8	6.04	83.80	2101.3	1.7	15.8	2.00	83.80	1.5	
4	3999.8	6.04	83.80	3988.7	23.3	214.2	0.00	0.00	20.1	
5	4301.6	0.00	0.00	4290.0	25.0	230.0	2.00	180.00	21.6	
6	4842.7	0.00	0.00	4831.1	25.0	230.0	0.00	0.00	21.6	
7	5905.2	85.00	357.74	5544.5	678.3	204.2	8.00	357.74	675.2	
8	5980.2	85.00	357.74	5551.1	752.9	201.3	0.00	0.00	749.9	
9	6040.2	89.80	357.74	5553.8	812.8	198.9	8.00	0.00	809.8	
10	14607.6	89.80	357.74	5583.7	9373.5	-138.8	0.00	0.00	9374.5	Morton State LD01-78HN BHL 810'FNL, 660'FWL



WELL DETAILS: Morton State LD01-78HN					
Ground Level: 4655.0					
0.0	0.0	Northing 1529381.39	Easting 3465254.66	Latitude 40.774440	Longitude -103.820110
Plan: APD - Rev 0 (Morton State LD01-78HN/Original Drilling)					
Created By: Shailey Jewell			Date: 15:25, March 12 2014		
OK to submit with 2A as per Noble Drilling 3/17/2014 7:14					