

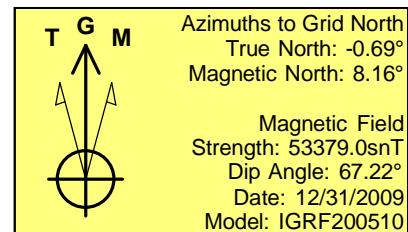
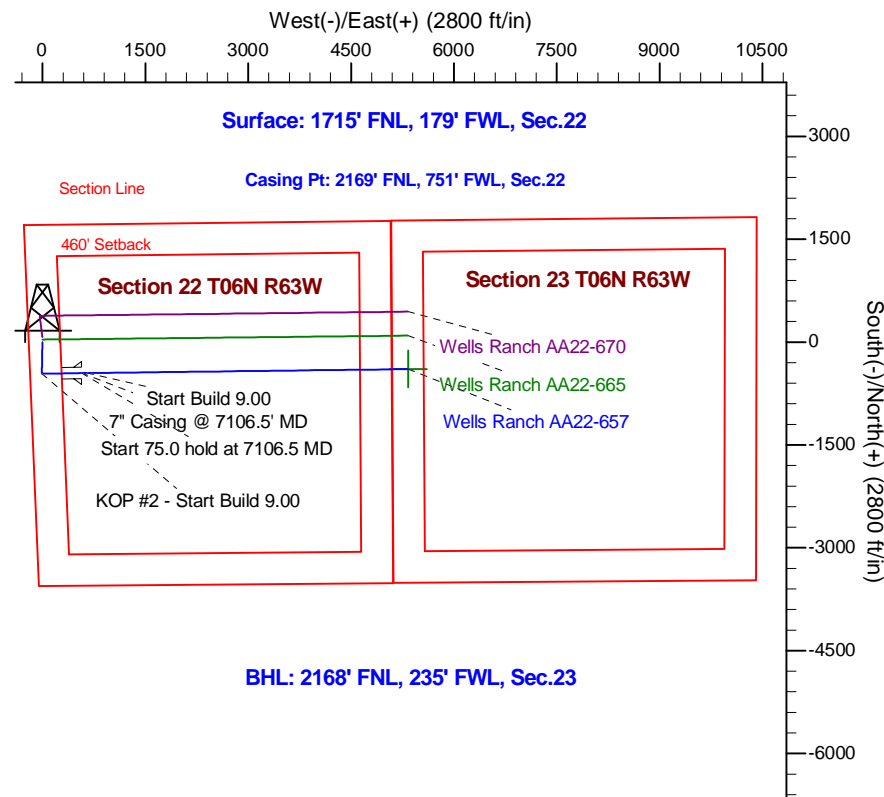
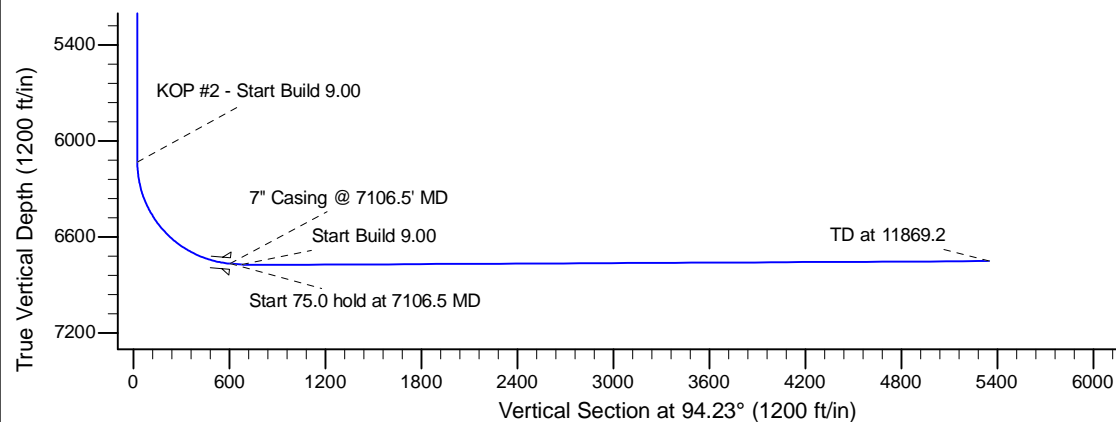
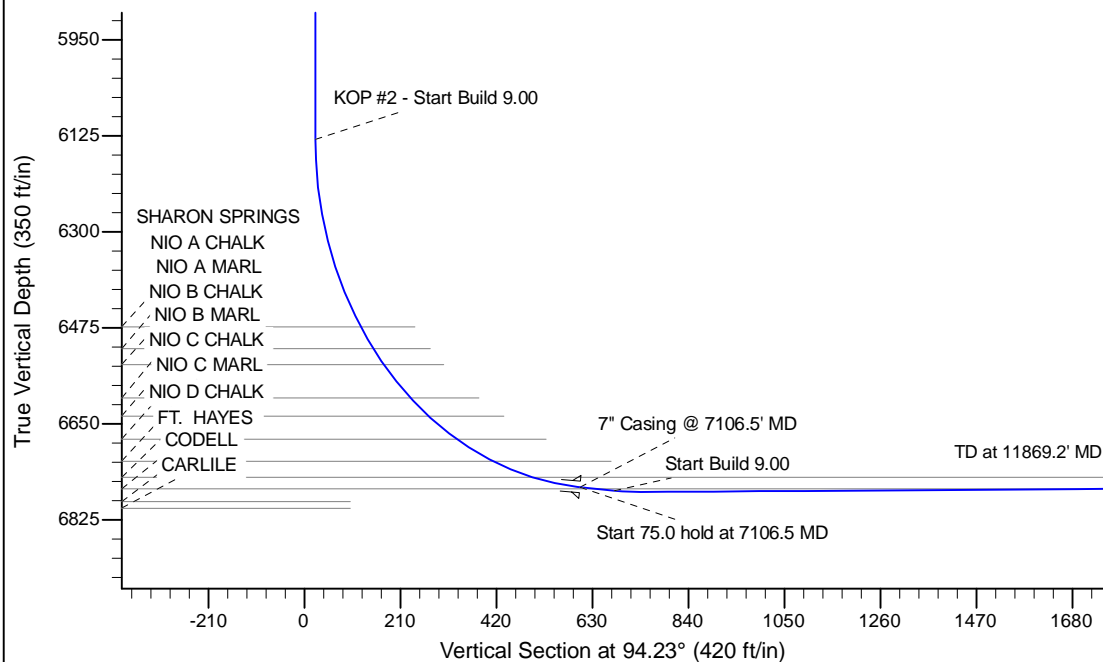
Project: Wattenberg Field
 Site: AA (Sec.22-T06N-R63W) Weld County, CO
 Well: Wells Ranch AA22-657
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1601.3	8.03	181.25	1600.0	-28.1	-0.6	2.00	181.25	1.5	
4	4494.7	8.03	181.25	4465.0	-431.9	-9.4	0.00	0.00	22.5	
5	4896.0	0.00	0.00	4865.0	-460.0	-10.0	2.00	180.00	23.9	
6	6162.1	0.00	0.00	6131.1	-460.0	-10.0	0.00	0.00	23.9	
7	7106.5	85.00	89.29	6765.3	-452.8	571.1	9.00	89.29	602.9	
8	7181.5	85.00	89.29	6771.8	-451.9	645.8	0.00	0.00	677.4	
9	7240.4	90.30	89.29	6774.2	-451.2	704.6	9.00	0.00	736.0	
10	11869.2	90.30	89.29	6750.0	-394.2	5333.0	0.00	0.00	5347.6	Wells Ranch AA22-657 BHL 2168'FNL, 235'FWL



WELL DETAILS: Wells Ranch AA22-657					
Ground Level: 4737.0					
	Northing	Easting	Latitude	Longitude	
0.0	0.0	1417537.84	3297156.16	40.474630	-104.431850
Plan: APD - Rev 0 (Wells Ranch AA22-657/Original Drilling)					
Created By: Shailey Jewell			Date: 14:42, April 13 2015		
OK to submit with 2A as per Noble Drilling 4/13/2015 2:54					