

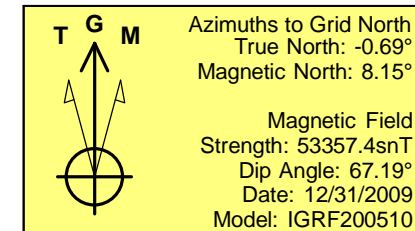
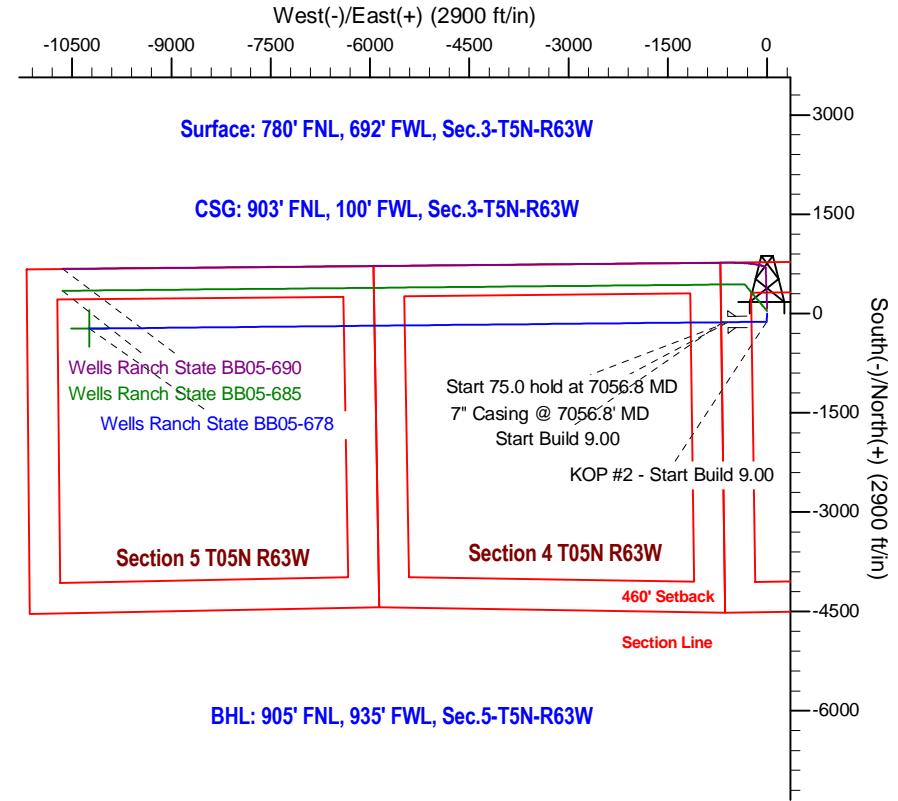
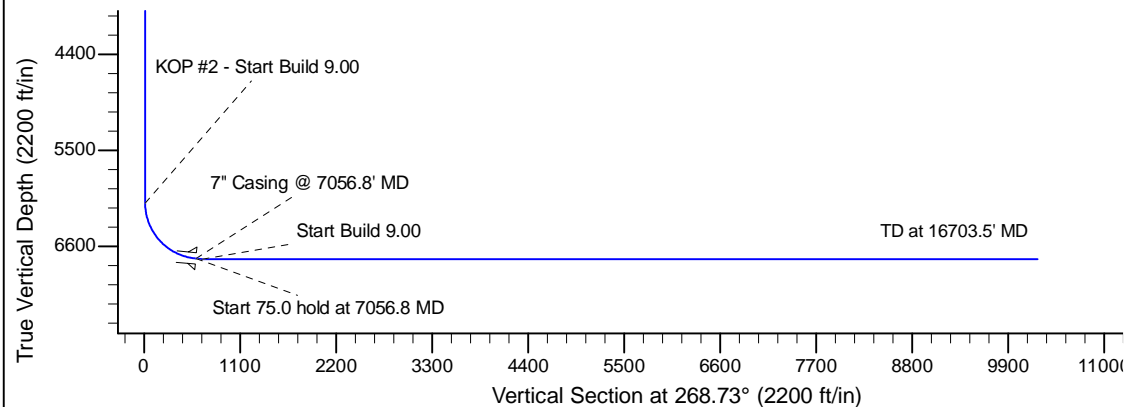
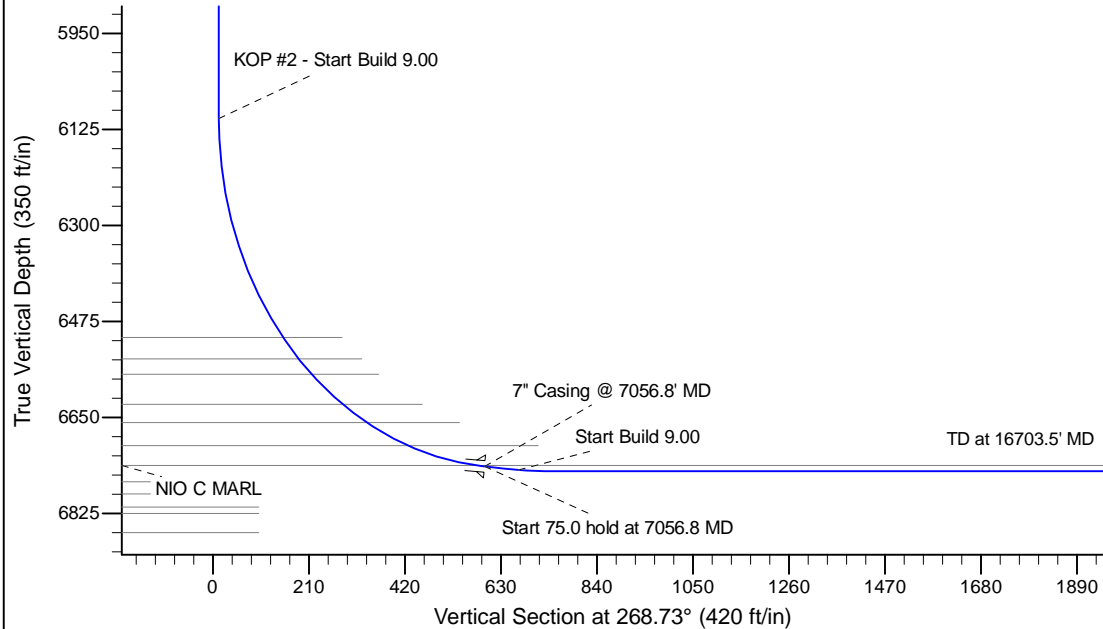
Project: Wattenberg Field
Site: BB (Sec.3-T05N-R63W) Weld County, CO
Well: Wells Ranch State BB05-678
Wellbore: Original Drilling
Design: APD - Rev 0

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	2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	
3	2902.3	8.05	184.57	2901.0	-28.1	-2.2	2.00	184.57	2.9	
4	3395.1	8.05	184.57	3389.0	-96.9	-7.8	0.00	0.00	9.9	
5	3797.5	0.00	0.00	3790.0	-125.0	-10.0	2.00	180.00	12.8	
6	6112.3	0.00	0.00	6104.8	-125.0	-10.0	0.00	0.00	12.8	
7	7056.8	85.00	269.43	6739.0	-130.8	-591.1	9.00	269.43	593.9	
8	7131.8	85.00	269.43	6745.6	-131.5	-665.8	0.00	0.00	668.6	
9	7187.3	90.00	269.43	6748.0	-132.1	-721.3	9.00	0.00	724.1	
10	16703.5	90.00	269.43	6748.0	-227.1	-10237.0	0.00	0.00	10239.5	Wells Ranch State BB05-678 BHL 905'FNL, 935'FWL



WELL DETAILS: Wells Ranch State BB05-678					
Ground Level: 4780.0					
	Northing	Easting	Latitude	Longitude	
0.0	0.0	1402568.47	3297832.02	40.433520	-104.430070
Plan: APD - Rev 0 (Wells Ranch State BB05-678/Original Drilling)					
Created By: Shailey Jewell			Date: 7:23, November 18 2015		
OK to submit with 2A as per Noble Drilling 11/18/2015 8:00					