

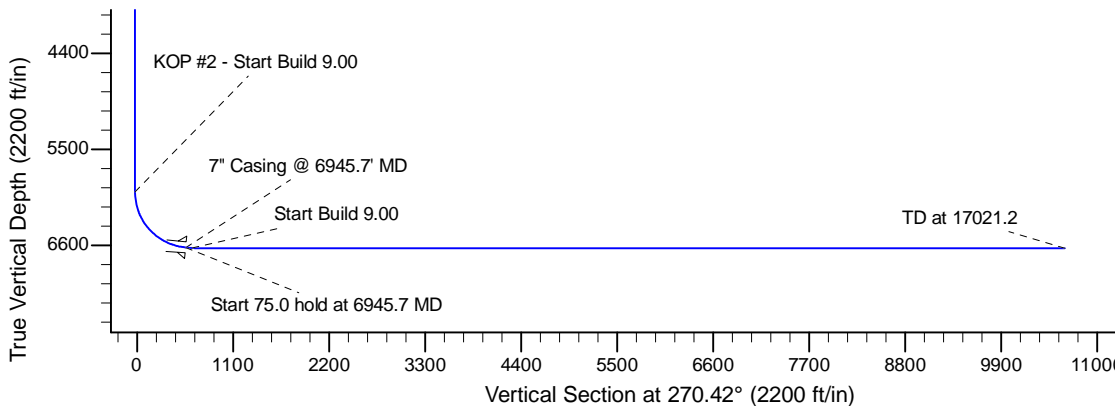
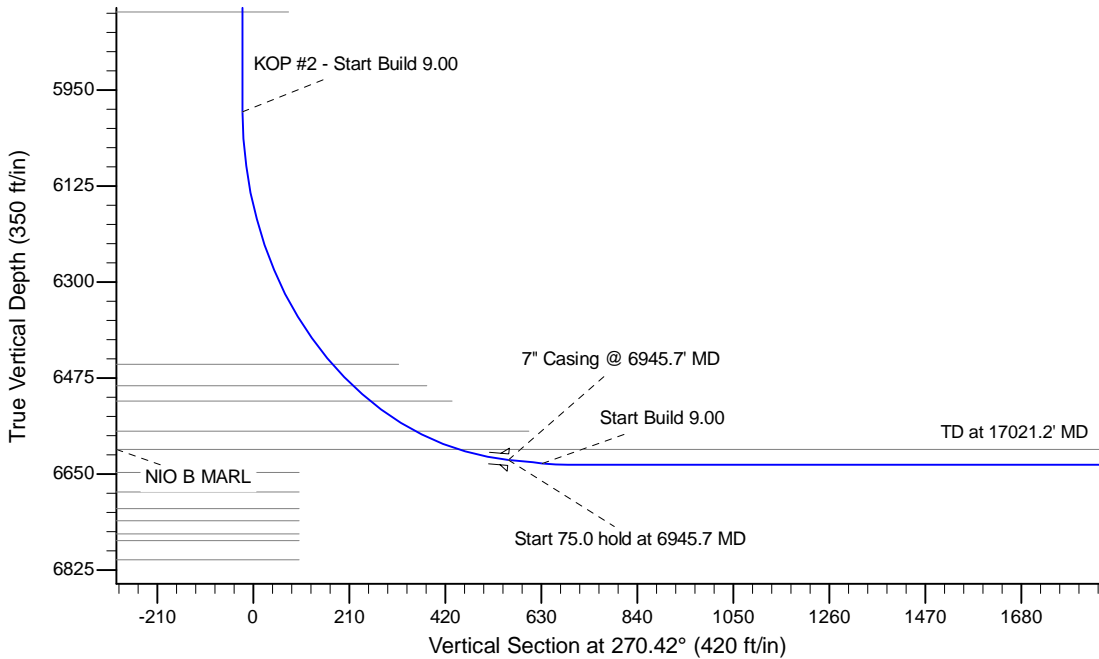
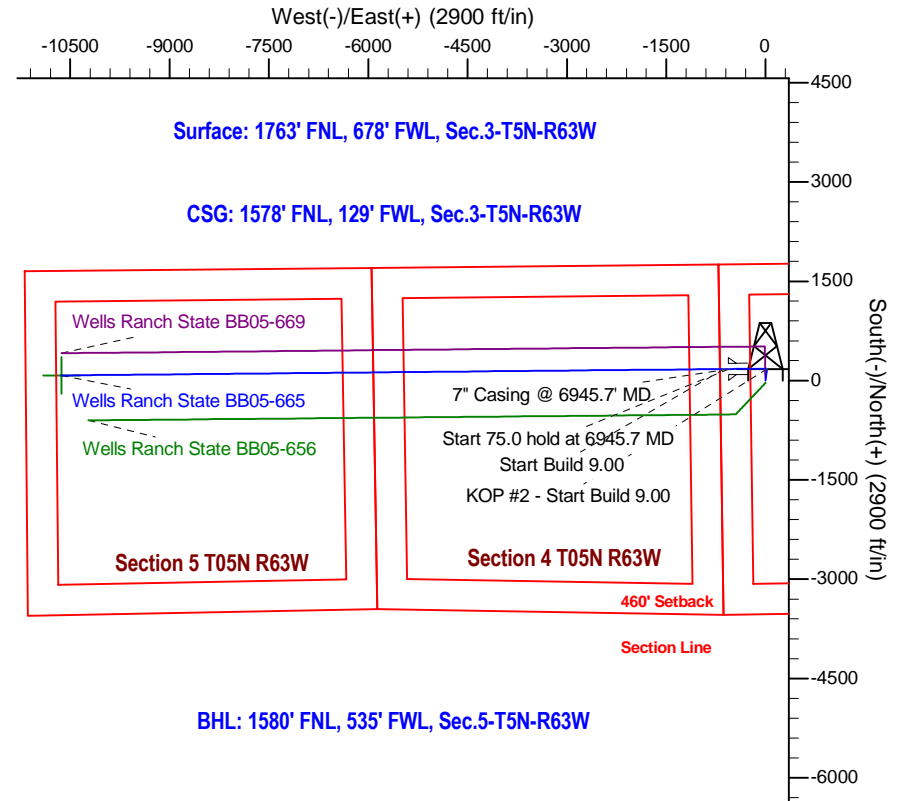
Project: Wattenberg Field
 Site: BB (Sec.3-T05N-R63W) Weld County, CO
 Well: Wells Ranch State BB05-665
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	2200.0	0.00	0.00	2200.0	0.0	0.0	0.00	0.00	0.0	
3	2601.6	8.03	7.91	2600.3	27.8	3.9	2.00	7.91	-3.7	
4	3499.8	8.03	7.91	3489.7	152.2	21.1	0.00	0.00	-20.0	
5	3901.4	0.00	0.00	3890.0	180.0	25.0	2.00	180.00	-23.7	
6	6001.3	0.00	0.00	5989.8	180.0	25.0	0.00	0.00	-23.7	
7	6945.7	85.00	269.45	6624.0	174.4	-556.1	9.00	269.45	557.4	
8	7020.7	85.00	269.45	6630.6	173.7	-630.8	0.00	0.00	632.1	
9	7076.3	90.00	269.45	6633.0	173.2	-686.3	9.00	0.00	687.6	
10	17021.2	90.00	269.45	6633.0	78.1	-10630.7	0.00	0.00	10631.0	Wells Ranch State BB05-665 BHL 1580'FNL, 535'FWL



T G M

Azimuths to Grid North
 True North: -0.69°
 Magnetic North: 8.15°

Magnetic Field
 Strength: 53356.3snT
 Dip Angle: 67.19°
 Date: 12/31/2009
 Model: IGRF200510

WELL DETAILS: Wells Ranch State BB05-665					
Ground Level: 4748.0					
	Northing	Easting	Latitude	Longitude	
0.0	0.0	1401584.80	3297832.75	40.430820	-104.430110
Plan: APD - Rev 0 (Wells Ranch State BB05-665/Original Drilling)					
Created By: Shailey Jewell			Date: 9:28, November 19 2015		
Ok to submit with 2A as per Noble Drilling					
11/19/2015 9:33					