

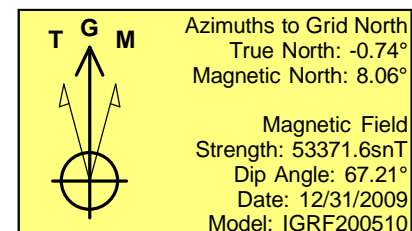
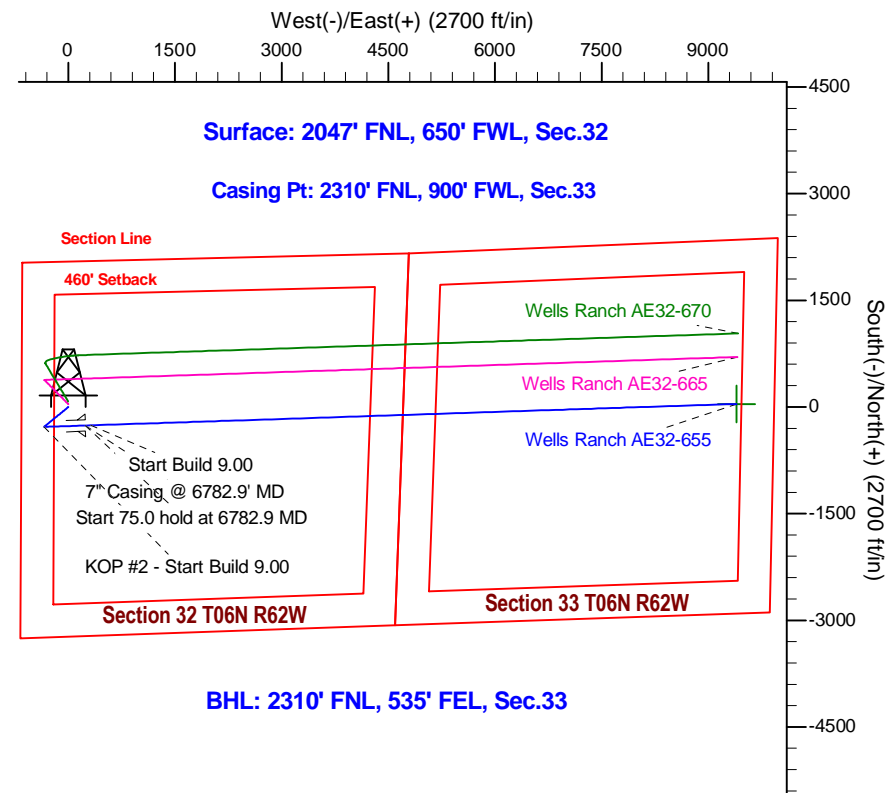
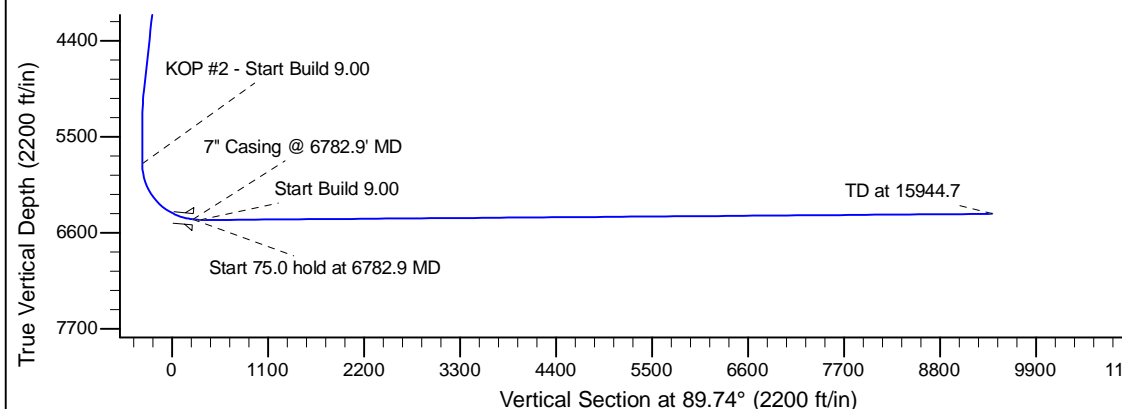
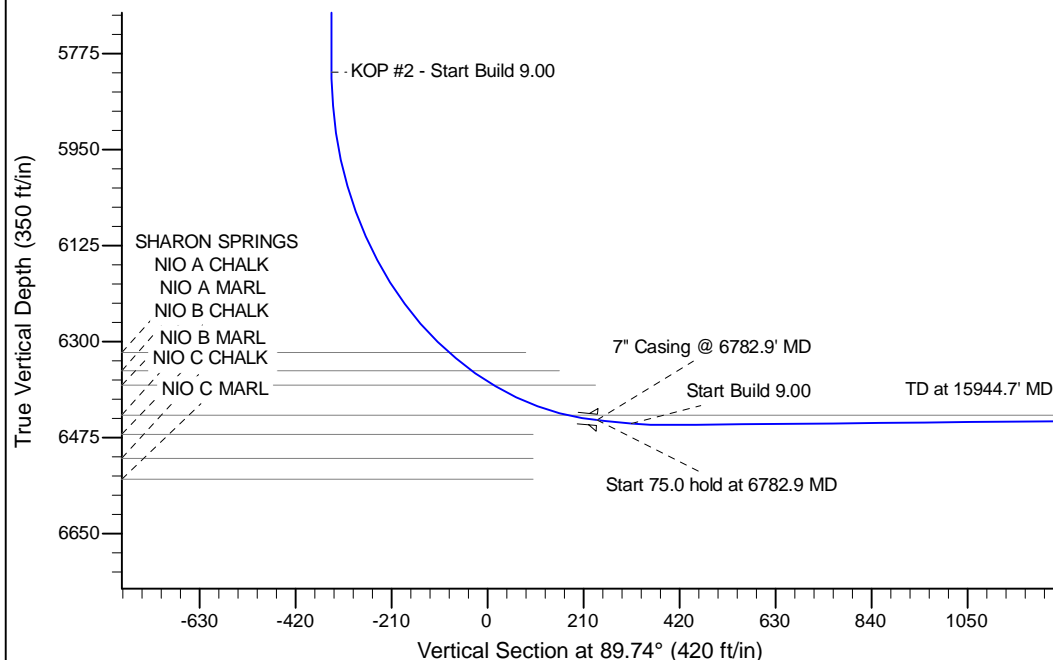
Project: Wattenberg Field
 Site: AE (Sec.32-T06N-R62W) Weld County, CO
 Well: Wells Ranch AE32-655
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	2199.9	8.00	230.53	2198.7	-17.7	-21.5	2.00	230.53	-21.6	
4	4964.5	8.00	230.53	4936.3	-262.3	-318.5	0.00	0.00	-319.7	
5	5364.5	0.00	0.00	5335.0	-280.0	-340.0	2.00	180.00	-341.3	
6	5838.4	0.00	0.00	5809.0	-280.0	-340.0	0.00	0.00	-341.3	
7	6782.9	85.00	88.10	6443.2	-260.7	240.8	9.00	88.10	239.6	
8	6857.9	85.00	88.10	6449.7	-258.3	315.5	0.00	0.00	314.3	
9	6918.4	90.45	88.10	6452.1	-256.2	375.9	9.00	0.00	374.8	
10	15944.7	90.45	88.10	6381.2	43.1	9396.9	0.00	0.00	9397.0	Wells Ranch AE32-655 BHL 2310'FNL, 535'FEL



WELL DETAILS: Wells Ranch AE32-655					
Ground Level: 4727.0					
	Northing	Easting	Latitude	Longitude	
0.0	0.0	1406944.50	3318863.96	40.444810	-104.354320

Plan: APD - Rev 0 (Wells Ranch AE32-655/Original Drilling)

Created By: Shailey Jewell Date: 12:36, March 24 2015

OK to submit with 2A as per Noble Drilling
3/24/2015 1:05