

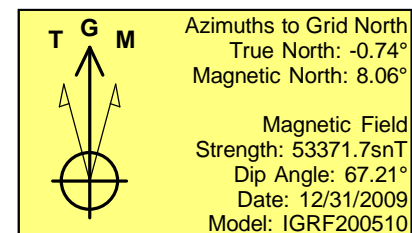
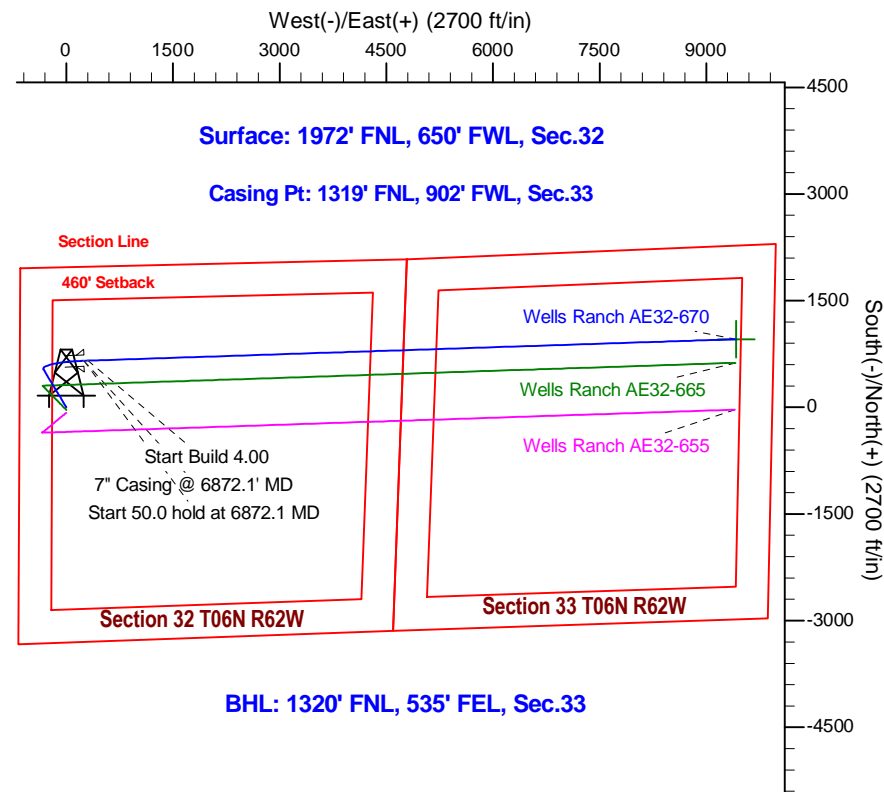
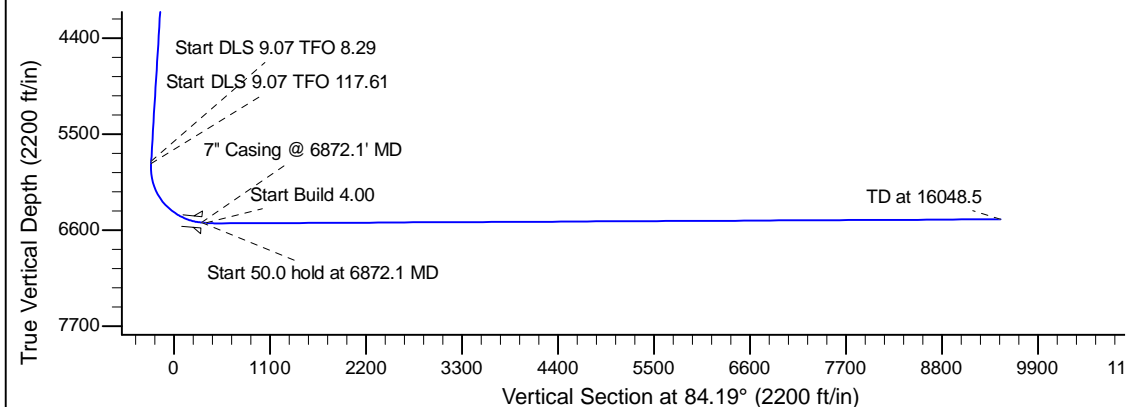
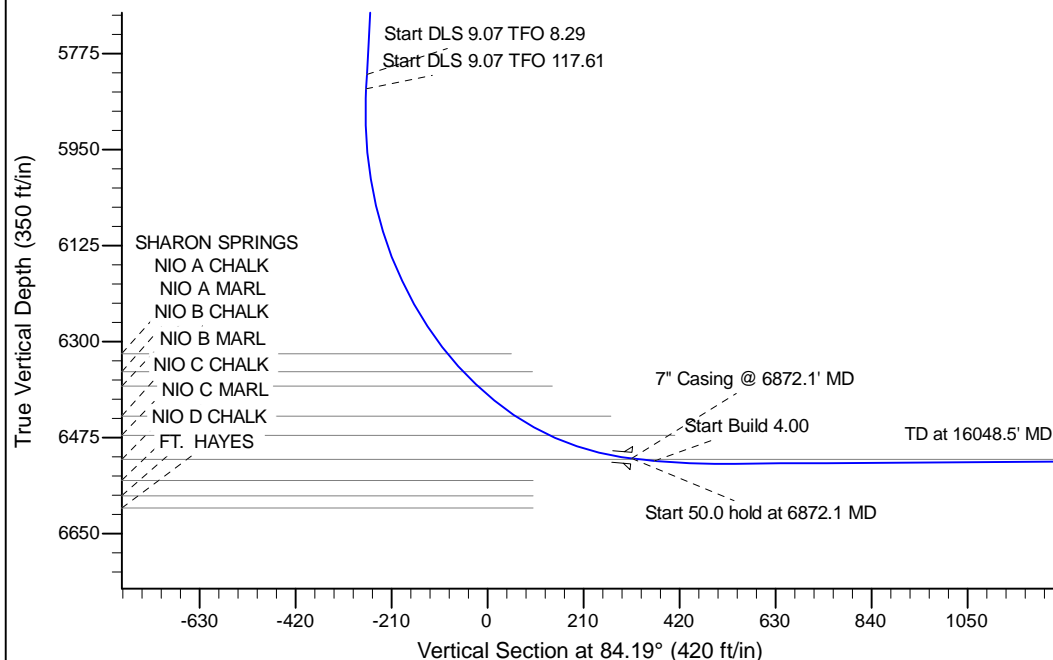
Project: Wattenberg Field
 Site: AE (Sec.32-T06N-R62W) Weld County, CO
 Well: Wells Ranch AE32-670
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1600.0	8.00	329.00	1598.7	23.9	-14.4	2.00	329.00	-11.9	
4	5855.7	8.00	329.00	5813.0	531.6	-319.4	0.00	0.00	-264.0	
5	5882.1	10.38	330.92	5839.1	535.2	-321.5	9.07	8.29	-265.7	
6	6872.1	85.00	88.11	6513.0	655.0	250.0	9.07	117.61	315.0	
7	6922.1	85.00	88.11	6517.4	656.6	299.8	0.00	0.00	364.7	
8	7054.6	90.30	88.11	6522.8	661.0	432.1	4.00	0.00	496.7	
9	16048.5	90.30	88.11	6475.4	957.9	9420.9	0.00	-40.59	9469.5	Wells Ranch AE32-670 BHL 1320'FNL, 535'FEL



WELL DETAILS: Wells Ranch AE32-670					
Ground Level: 4729.0					
Northing		Easting		Longitude	
0.0	0.0	1407021.00	3318862.98	40.445020	-104.354320
Plan: APD - Rev 0 (Wells Ranch AE32-670/Original Drilling)					
Created By: Shailey Jewell			Date: 13:34, March 24 2015		
OK to submit with 2A as per Noble Drilling					
3/24/2015 1:41					