

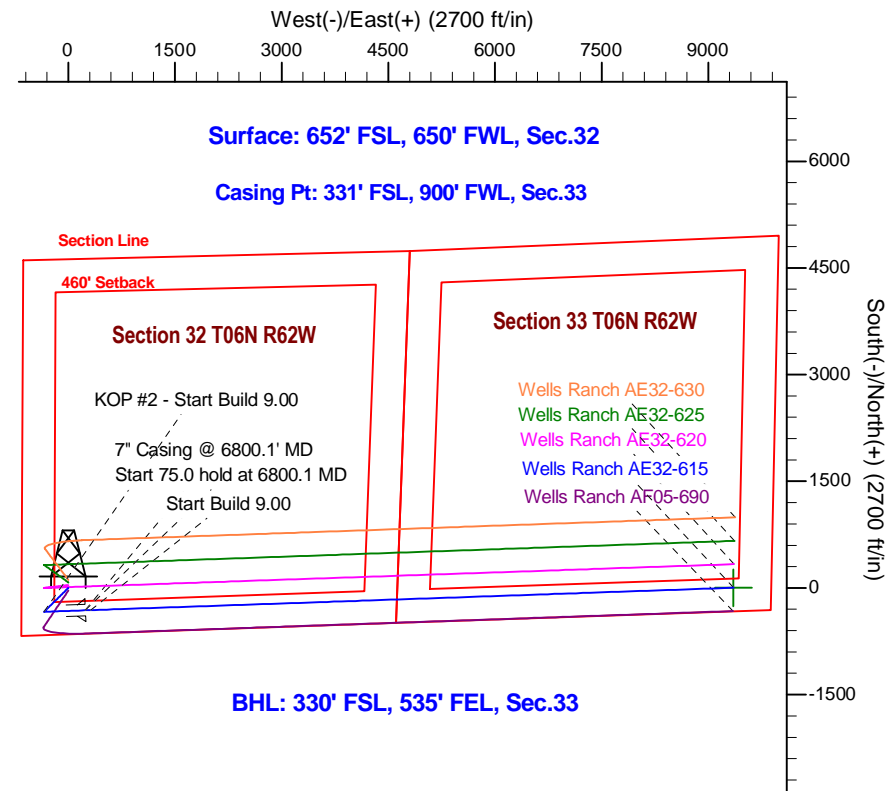
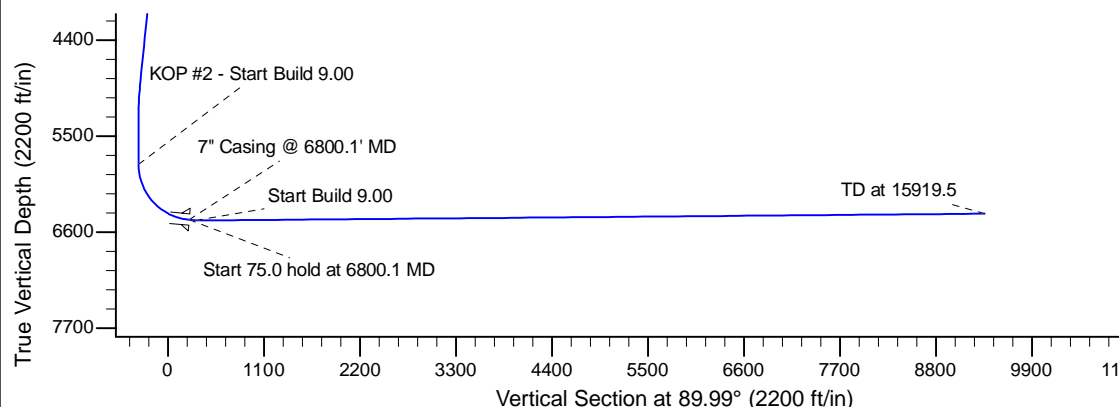
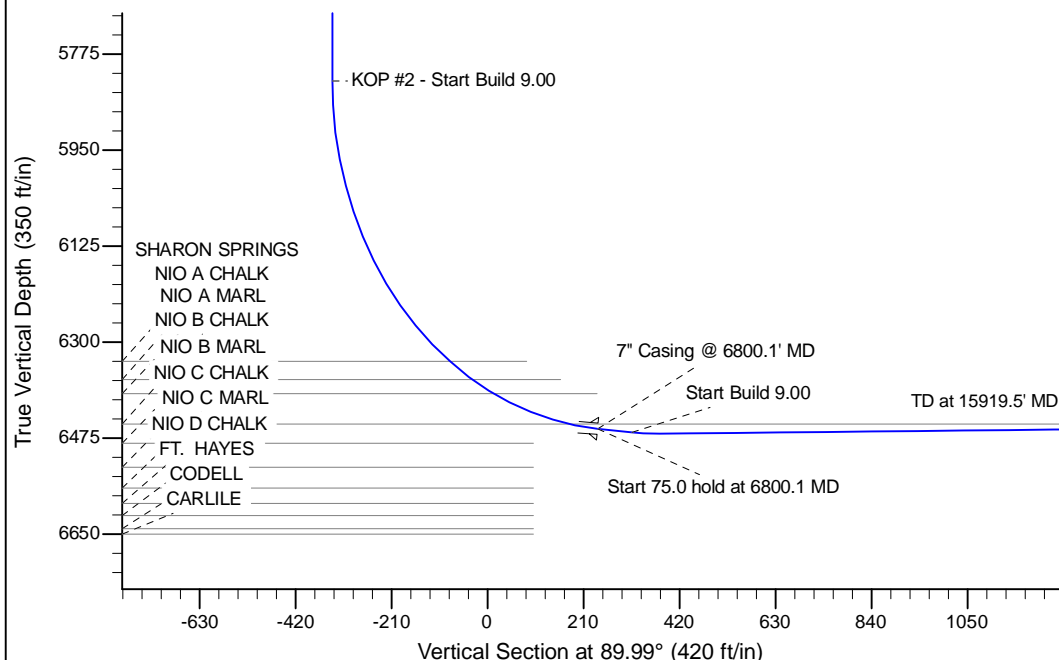
Project: Wattenberg Field
 Site: AE (Sec.32-T06N-R62W) Weld County, CO
 Well: Wells Ranch AE32-615
 Wellbore: Original Drilling
 Design: APD - Rev 0

Northern Region Drilling - Working

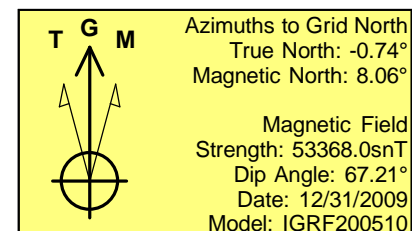
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1900.9	8.02	225.42	1899.6	-19.7	-19.9	2.00	225.42	-20.0	
4	4921.2	8.02	225.42	4890.4	-315.3	-320.1	0.00	0.00	-320.1	
5	5322.1	0.00	0.00	5290.0	-335.0	-340.0	2.00	180.00	-340.1	
6	5855.7	0.00	0.00	5823.6	-335.0	-340.0	0.00	0.00	-340.1	
7	6800.1	85.00	88.01	6457.8	-314.8	240.8	9.00	88.01	240.7	
8	6875.1	85.00	88.01	6464.3	-312.2	315.5	0.00	0.00	315.4	
9	6936.3	90.50	88.01	6466.7	-310.1	376.5	9.00	0.00	376.4	
10	15919.5	90.50	88.01	6388.3	2.4	9353.9	0.00	0.00	9353.9	Wells Ranch AE32-615 BHL 330'FSL, 535'FEL



BHL: 330' FSL, 535' FEL, Sec.33



WELL DETAILS: Wells Ranch AE32-615					
Ground Level: 4718.0					
Northing		Easting		Latitude	
Longitude					
0.0	0.0	1404368.51	3318849.92	40.437740	-104.354490
Plan: APD - Rev 0 (Wells Ranch AE32-615/Original Drilling)					
Created By: Shailey Jewell			Date: 13:37, March 25 2015		
OK to submit with 2A as per Noble Drilling					
3/25/2015 1:43					