

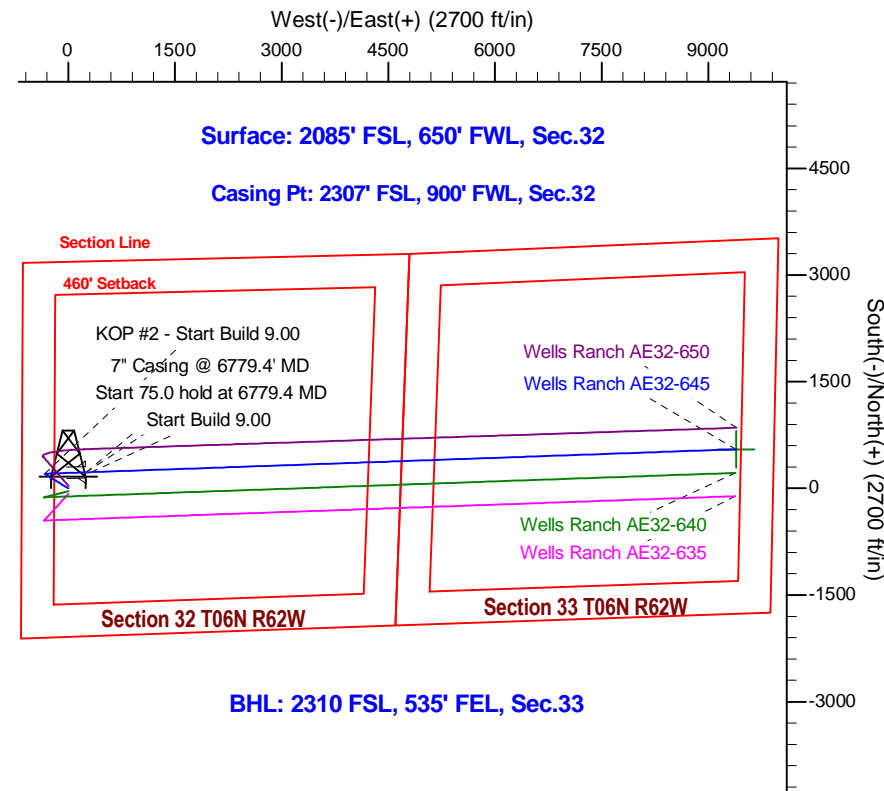
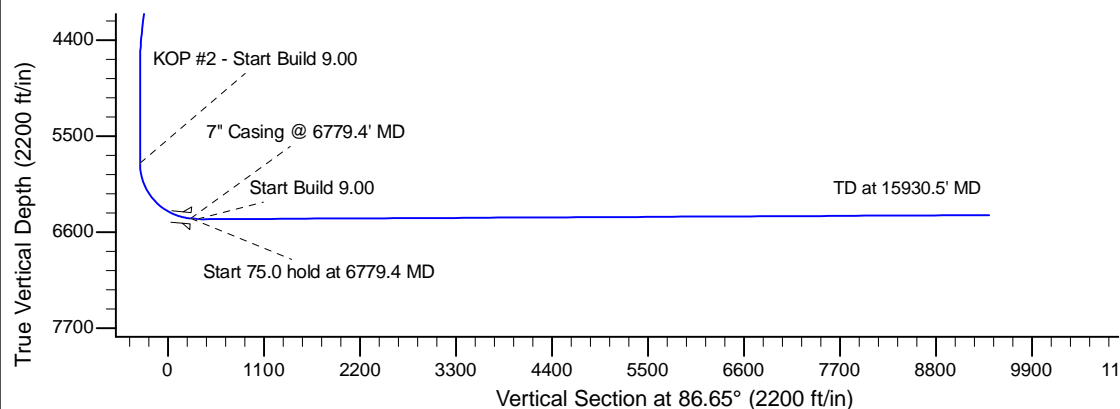
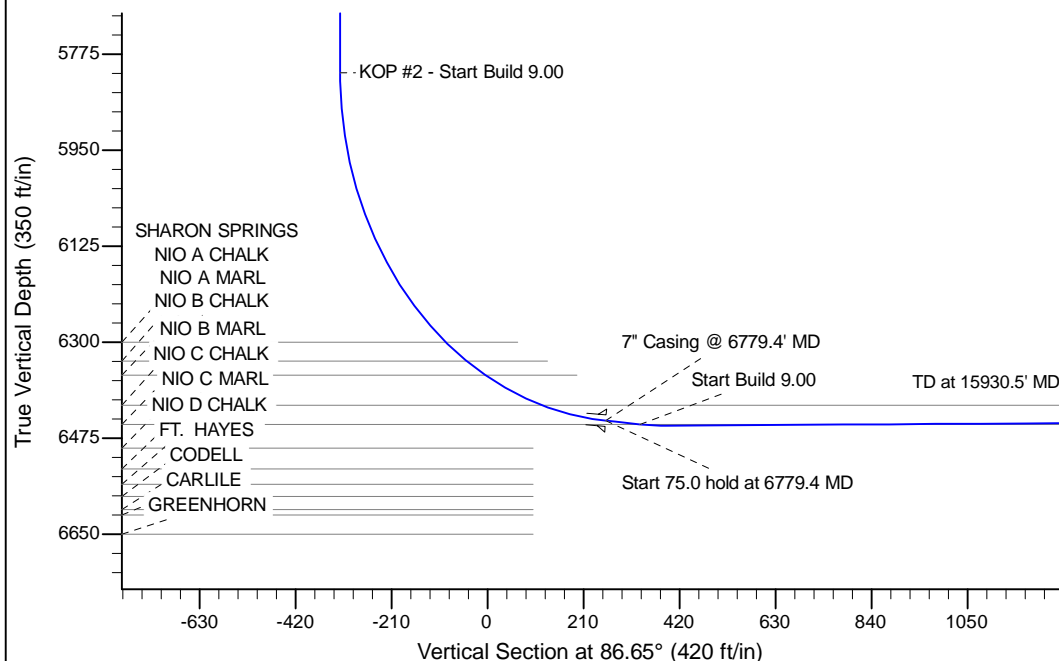
Project: Wattenberg Field
 Site: AE (Sec.32-T06N-R62W) Weld County, CO
 Well: Wells Ranch AE32-645
 Wellbore: Original Drilling
 Design: APD - Rev 0

Northern Region Drilling - Working

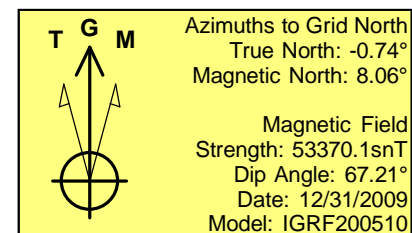
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	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	301.46	1899.6	14.6	-23.9	2.00	301.46	-23.0	
4	4315.4	8.02	301.46	4290.4	190.4	-311.1	0.00	0.00	-299.5	
5	4716.2	0.00	0.00	4690.0	205.0	-335.0	2.00	180.00	-322.5	
6	5835.0	0.00	0.00	5808.8	205.0	-335.0	0.00	0.00	-322.5	
7	6779.4	85.00	87.97	6443.0	225.6	245.8	9.00	87.97	258.5	
8	6854.4	85.00	87.97	6449.5	228.2	320.4	0.00	0.00	333.2	
9	6913.3	90.30	87.97	6451.9	230.3	379.2	9.00	0.00	392.0	
10	15930.5	90.30	87.97	6404.7	549.4	9390.6	0.00	0.00	9406.7	Wells Ranch AE32-645 BHL 2310'FSL, 535'FEL



BHL: 2310 FSL, 535' FEL, Sec.33



WELL DETAILS: Wells Ranch AE32-645				
Ground Level: 4723.0				
0.0	0.0	1405804.05	3318856.43	40.441680
Northing		Easting		Longitude
				-104.354400

Plan: APD - Rev 0 (Wells Ranch AE32-645/Original Drilling)

Created By: Shailey Jewell Date: 16:27, March 24 2015

OK to submit with 2A as per Noble Drilling
 3/24/2015 4:30