

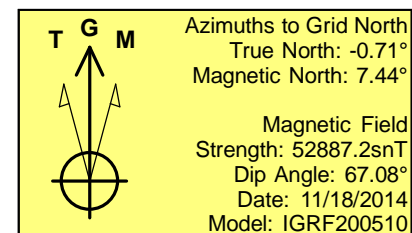
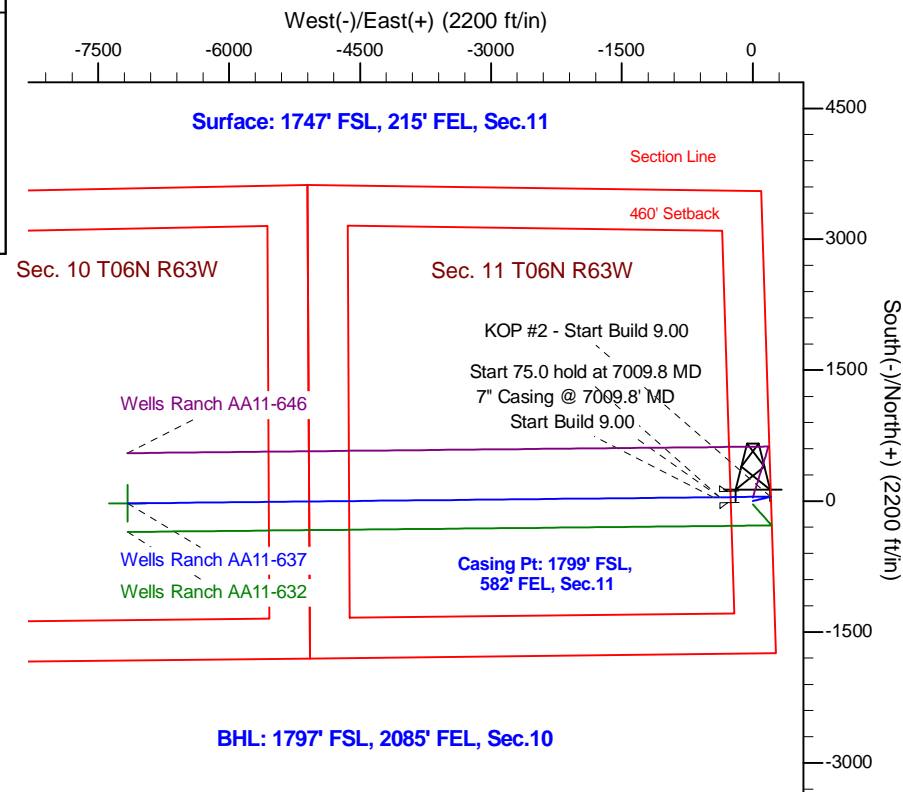
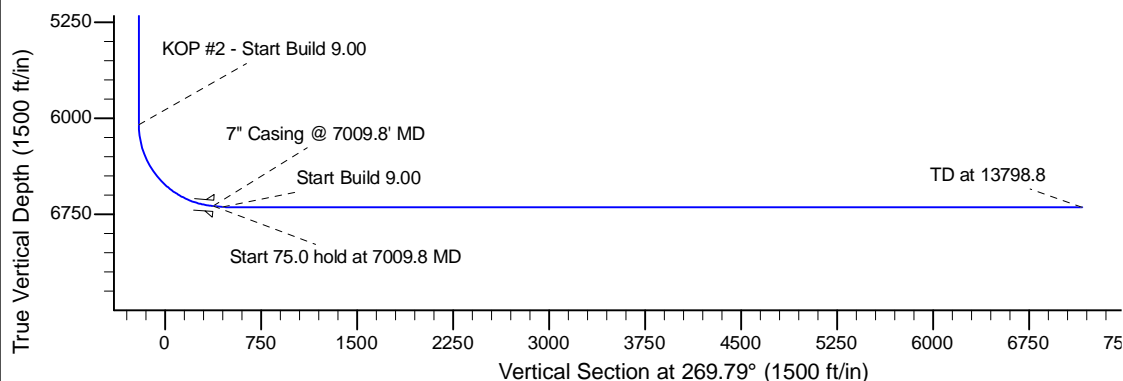
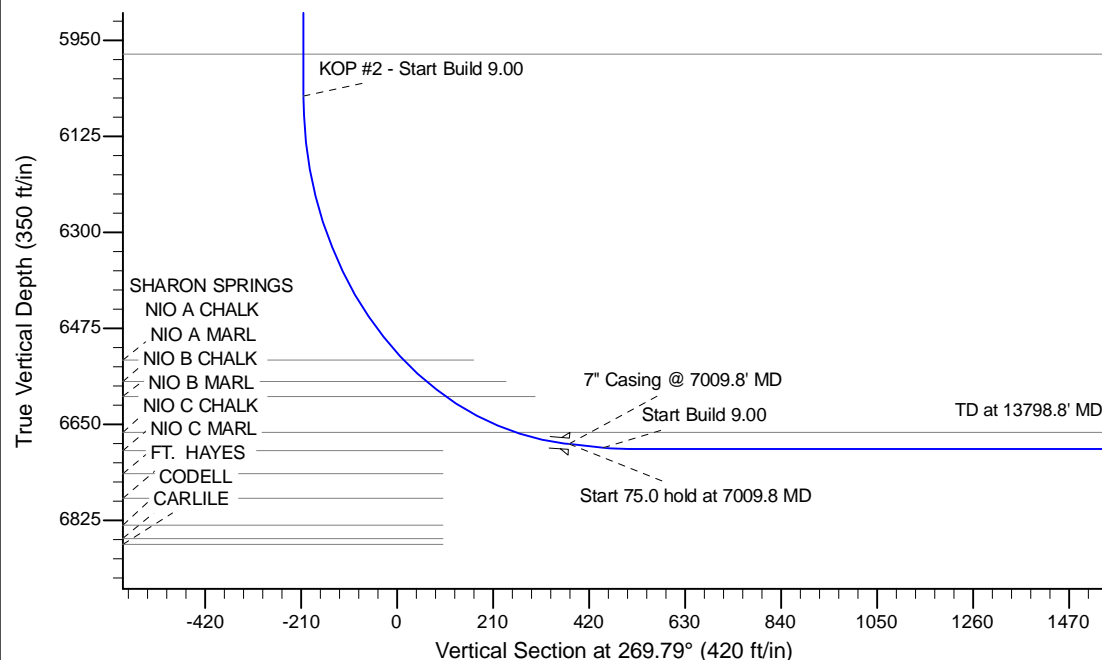
Project: Wattenberg Field  
 Site: AA (Sec.11-T06N-R63W) Weld County, CO  
 Well: Wells Ranch AA11-637  
 Wellbore: Original Drilling  
 Design: APD - Rev 0

# 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	2200.7	8.01	76.29	2199.4	6.6	27.2	2.00	76.29	-27.2	
4	3312.7	8.01	76.29	3300.6	43.4	177.8	0.00	0.00	-178.0	
5	3713.5	0.00	0.00	3700.0	50.0	205.0	2.00	180.00	-205.2	
6	6065.3	0.00	0.00	6051.8	50.0	205.0	0.00	0.00	-205.2	
7	7009.8	85.00	269.41	6686.0	44.0	-376.1	9.00	269.41	375.9	
8	7084.8	85.00	269.41	6692.6	43.2	-450.8	0.00	0.00	450.7	
9	7140.3	90.00	269.41	6695.0	42.6	-506.3	9.00	0.00	506.1	
10	13798.8	90.00	269.41	6695.0	-26.3	-7164.5	0.00	0.00	7164.5	Wells Ranch AA11-637 BHL 1797'FSL, 2085'FEL



WELL DETAILS: Wells Ranch AA11-637					
Ground Level: 4855.0					
0.0	0.0	1426409.41	3307273.17	40.498640	-104.395090
Plan: APD - Rev 0 (Wells Ranch AA11-637/Original Drilling)					
Created By: Shailey Jewell			Date: 14:38, November 18 2014		
OK to submit with 2A as per Noble Drilling 11/18/2014 3:05					