

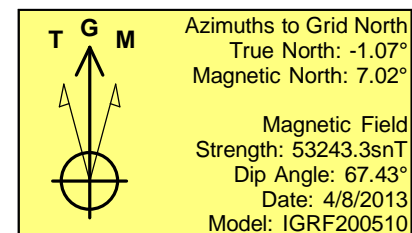
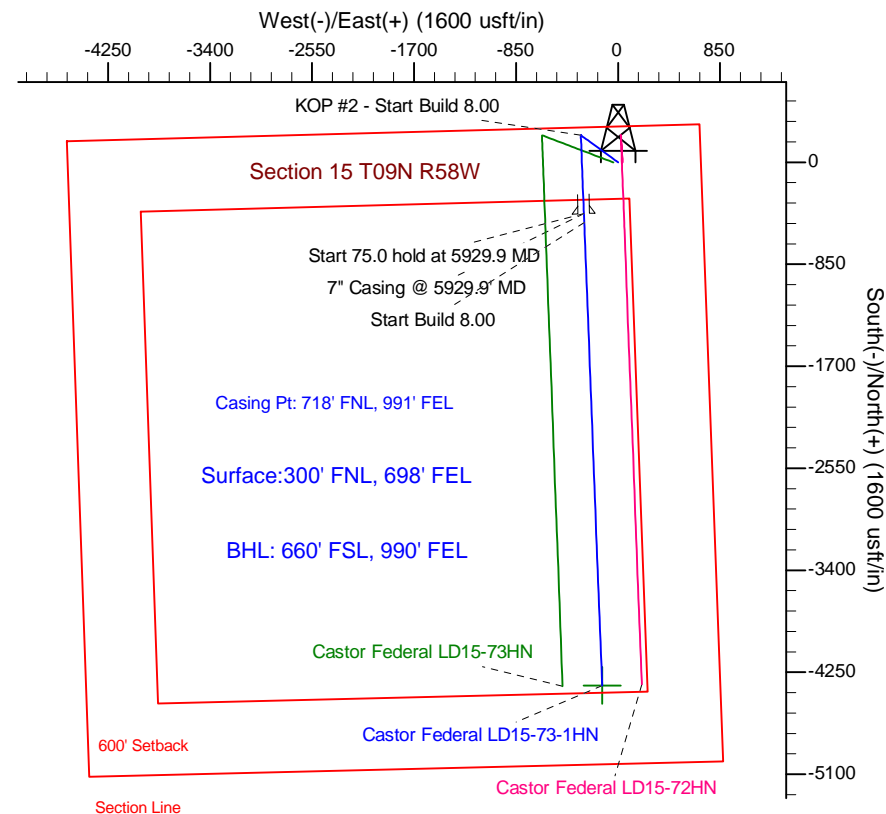
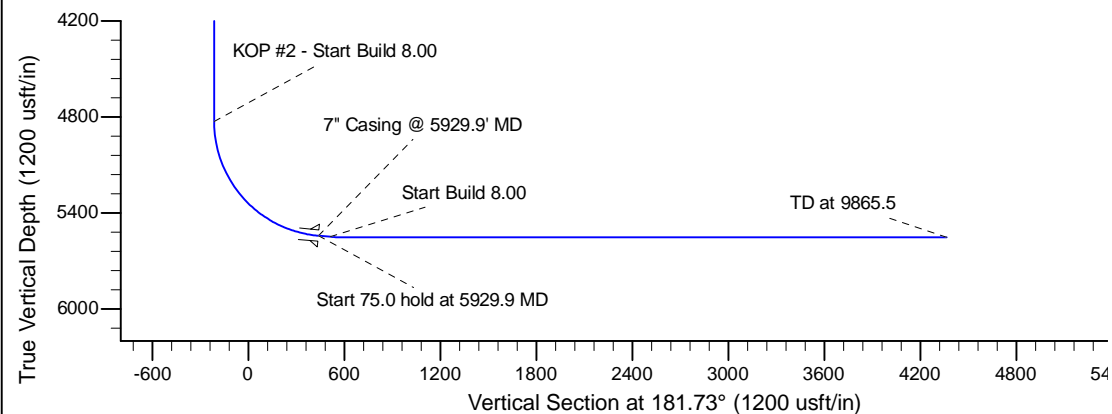
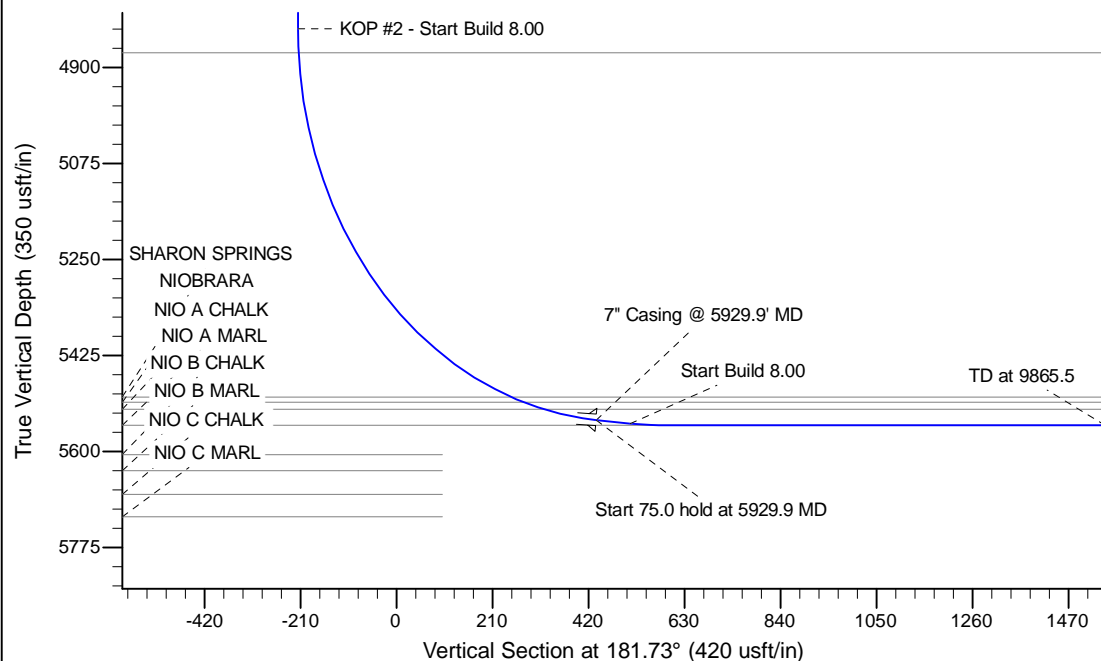
Project: Wattenberg Field
Site: LD (Sec.15-T09N-R58W) Weld County, CO
Well: Castor Federal LD15-73-1HN
Wellbore: Original Drilling
Design: APD - Rev 0

Northern Region Drilling

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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2151.2	13.02	305.97	2145.6	43.3	-59.6	2.00	305.97	-41.5	
4	3196.9	13.02	305.97	3164.4	181.7	-250.4	0.00	0.00	-174.1	
5	3848.1	0.00	0.00	3810.0	225.0	-310.0	2.00	180.00	-215.5	
6	4867.4	0.00	0.00	4829.3	225.0	-310.0	0.00	0.00	-215.5	
7	5929.9	85.00	177.78	5542.7	-428.3	-284.6	8.00	177.78	436.7	
8	6004.9	85.00	177.78	5549.3	-502.9	-281.7	0.00	0.00	511.2	
9	6067.4	90.00	177.78	5552.0	-565.3	-279.3	8.00	0.00	573.5	
10	9865.5	90.00	177.78	5552.0	-4360.6	-131.9	0.00	0.00	4362.6	Castor Federal LD15-73-1HN BHL 660'FSL, 990'FEL



WELL DETAILS: Castor Federal LD15-73-1HN					
Ground Level: 4706.0		Northing		Easting	
0.0	0.0	1523220.86	3458940.12	40.757860	-103.843320
Latitude					
Longitude					
Plan: APD - Rev 0 (Castor Federal LD15-73-1HN/Original Drilling)					
Created By: Shailey Jewell			Date: 15:34, April 08 2013		
Checked: _____			Date: _____		
Reviewed: _____			Date: _____		
Approved: _____			Date: _____		