

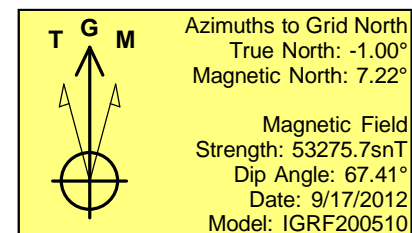
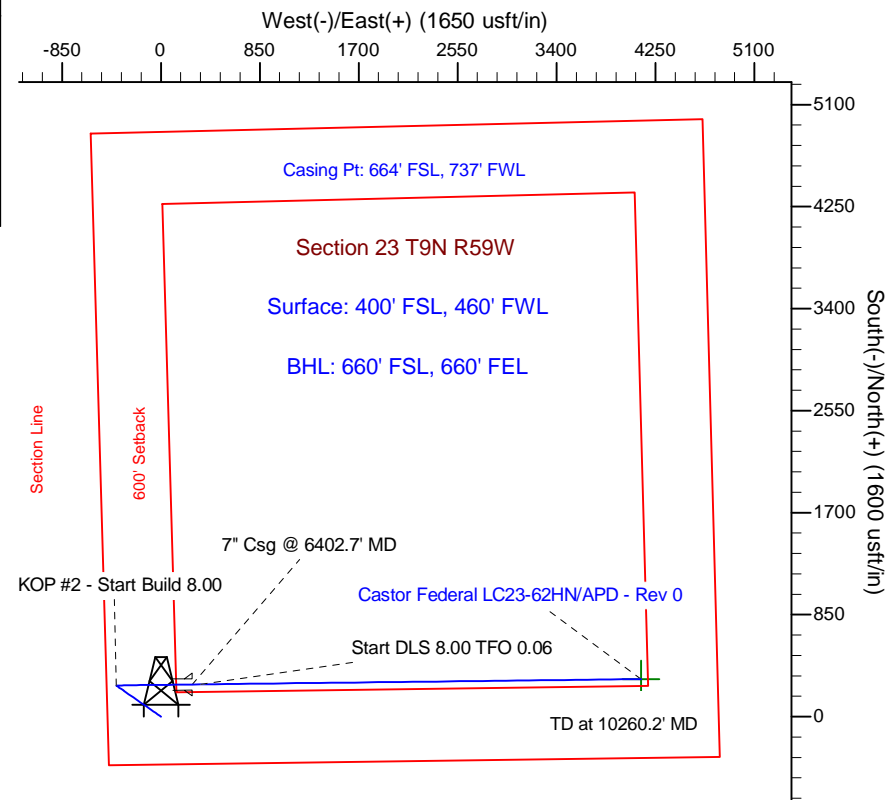
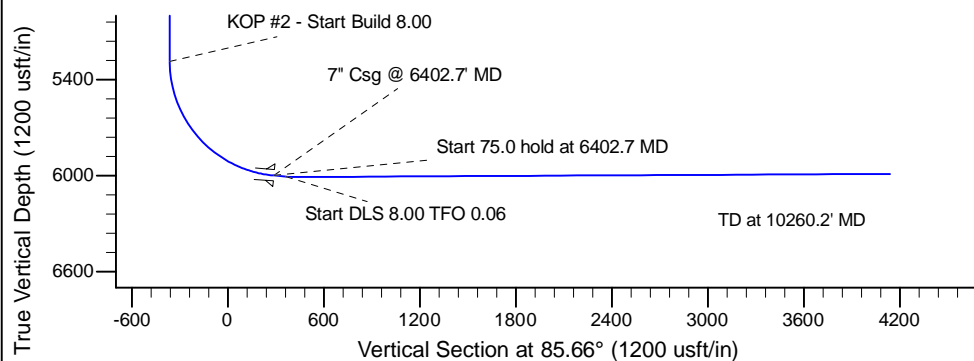
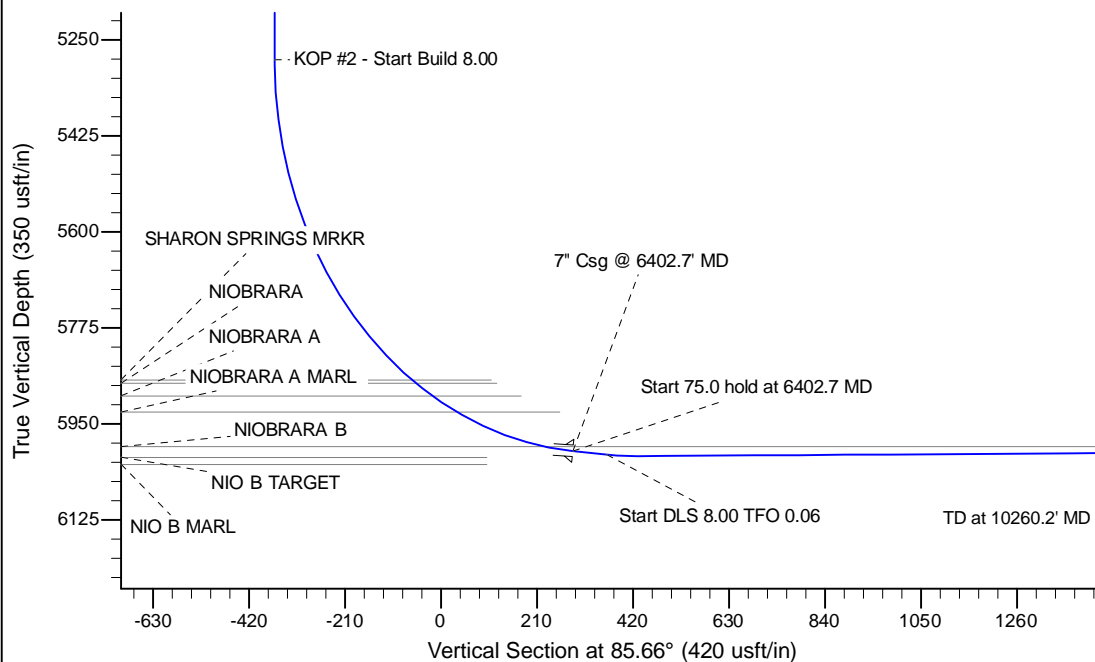
Project: Wattenberg Field
Site: LC (Sec.23-T09N-R59W) Weld County, CO
Well: Castor Federal LC23-62HN
Wellbore: Original Drilling
Design: APD - Rev 0

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	V Sect	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	2400.1	15.00	304.03	2393.3	43.7	-64.7	2.50	304.03	-61.2	
4	3591.1	15.00	304.03	3543.7	216.3	-320.3	0.00	0.00	-303.0	
5	4191.3	0.00	0.00	4137.0	260.0	-385.0	2.50	180.00	-364.2	
6	5340.2	0.00	0.00	5285.9	260.0	-385.0	0.00	0.00	-364.2	
7	6402.7	85.00	89.32	5999.4	267.8	268.7	8.00	89.32	288.2	
8	6477.7	85.00	89.32	6005.9	268.6	343.4	0.00	0.00	362.8	
9	6543.9	90.30	89.33	6008.7	269.4	409.6	8.00	0.06	428.8	
10	10260.2	90.30	89.33	5989.3	313.2	4125.6	0.00	0.00	4137.5	Castor Federal LC23-62HN BHL 660'FSL, 660'FEL



WELL DETAILS: Castor Federal LC23-62HN

	Ground Level:	4847.0
0.0	0.0	1512574.24
0.0	0.0	3428754.63
0.0	0.0	40.730139
0.0	0.0	-103.952931

Plan: APD - Rev 0 (Castor Federal LC23-62HN/Original Drilling)

Created By: Carrie Willers	Date: 16:03, September 18 2012
Checked: _____	Date: _____
Reviewed: _____	Date: _____
Approved: _____	Date: _____