

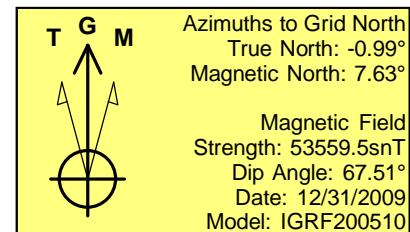
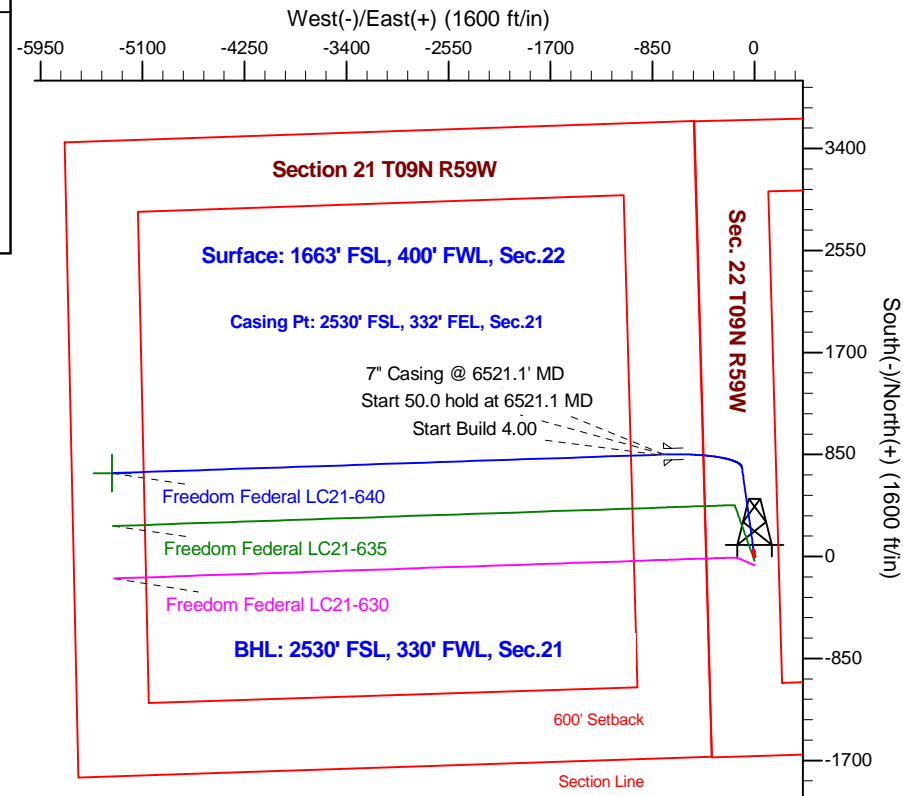
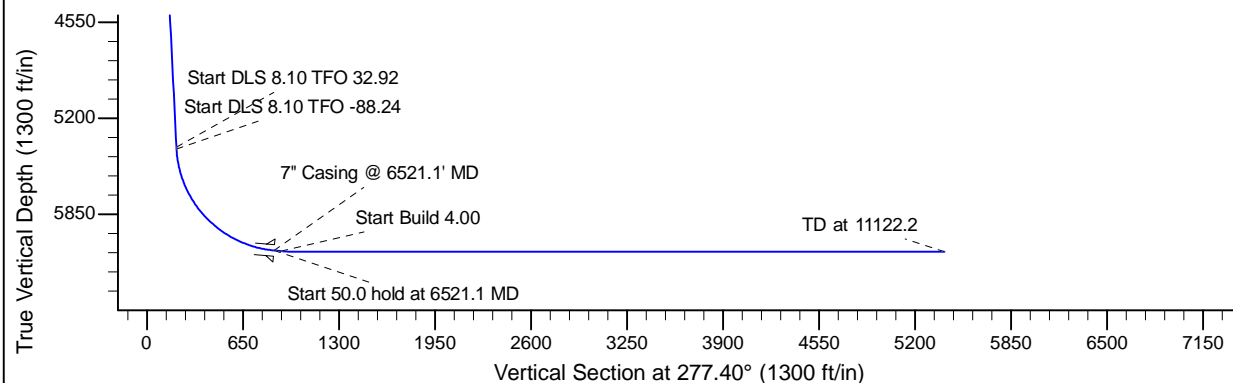
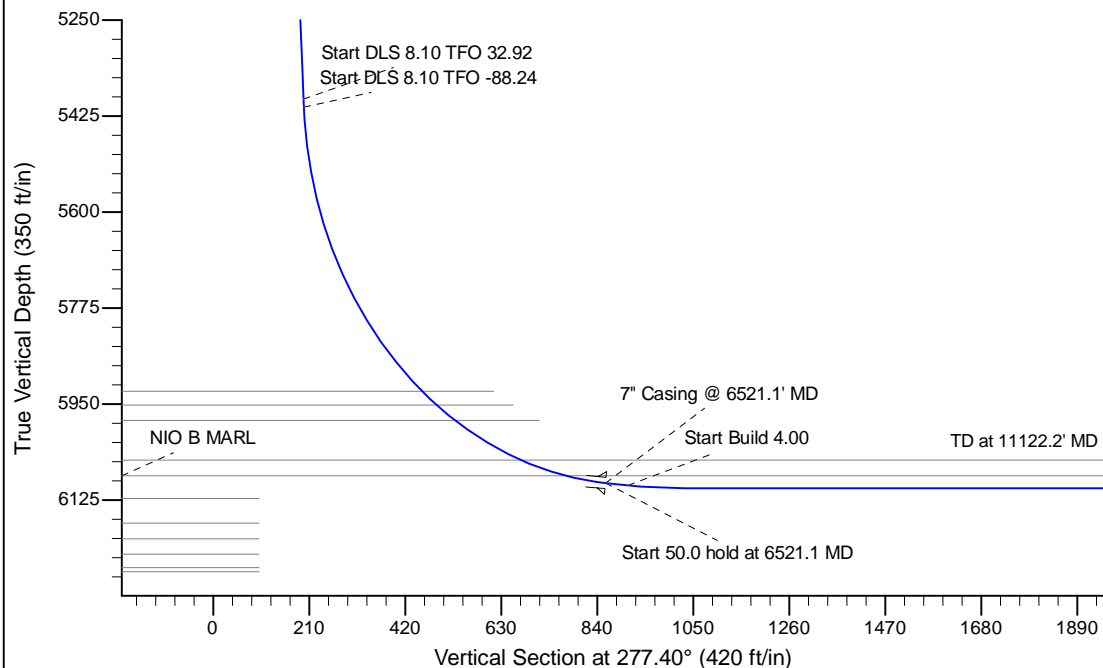
Project: Wattenberg Field
Site: LC (Sec.21-T09N-R59W) Weld County, CO
Well: Freedom Federal LC21-640
Wellbore: Original Drilling
Design: APD - Rev 0

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1737.5	10.75	352.00	1734.4	49.8	-7.0	2.00	352.00	13.4	
4	5462.5	10.75	352.00	5394.0	737.8	-103.7	0.00	0.00	197.9	
5	5477.5	11.78	355.22	5408.7	740.7	-104.0	8.10	32.92	198.6	
6	6521.1	85.00	268.07	6094.0	850.0	-755.0	8.10	-88.24	858.2	
7	6571.1	85.00	268.07	6098.4	848.3	-804.8	0.00	0.00	907.4	
8	6696.1	90.00	268.07	6103.8	844.1	-929.6	4.00	0.00	1030.5	
9	11122.2	90.00	268.08	6104.0	695.4	-5353.2	0.00	118.01	5398.1	Freedom Federal LC21-640 BHL 2530'FSL, 330'FWL



WELL DETAILS: Freedom Federal LC21-640

Ground Level: 4883.0			
0.0	0.0	1513681.11	3423430.32
Northing	Easting	Latitude	Longitude
0.0	0.0	40.733430	-103.972070

Plan: APD - Rev 0 (Freedom Federal LC21-640/Original Drilling)

Created By: Shailey Jewell Date: 8:52, August 21 2015

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____