

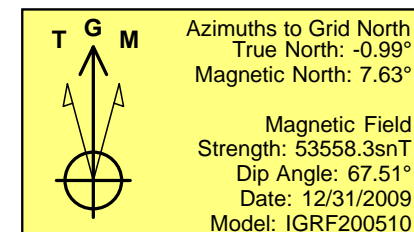
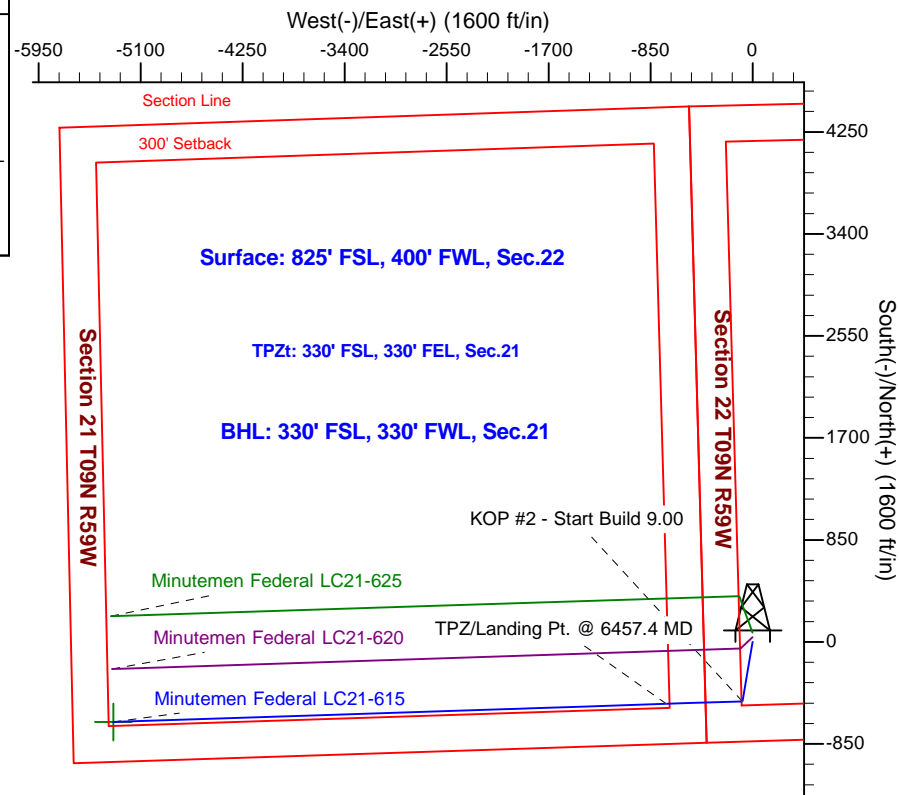
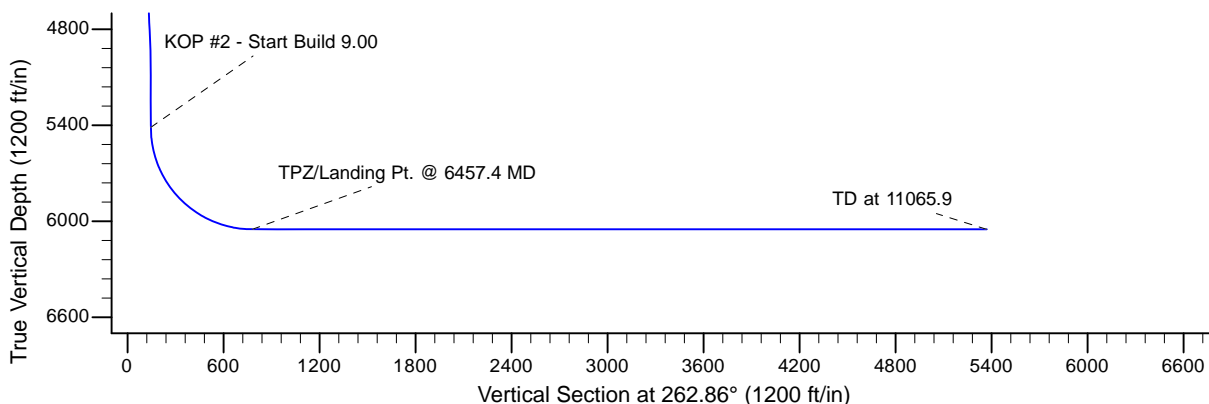
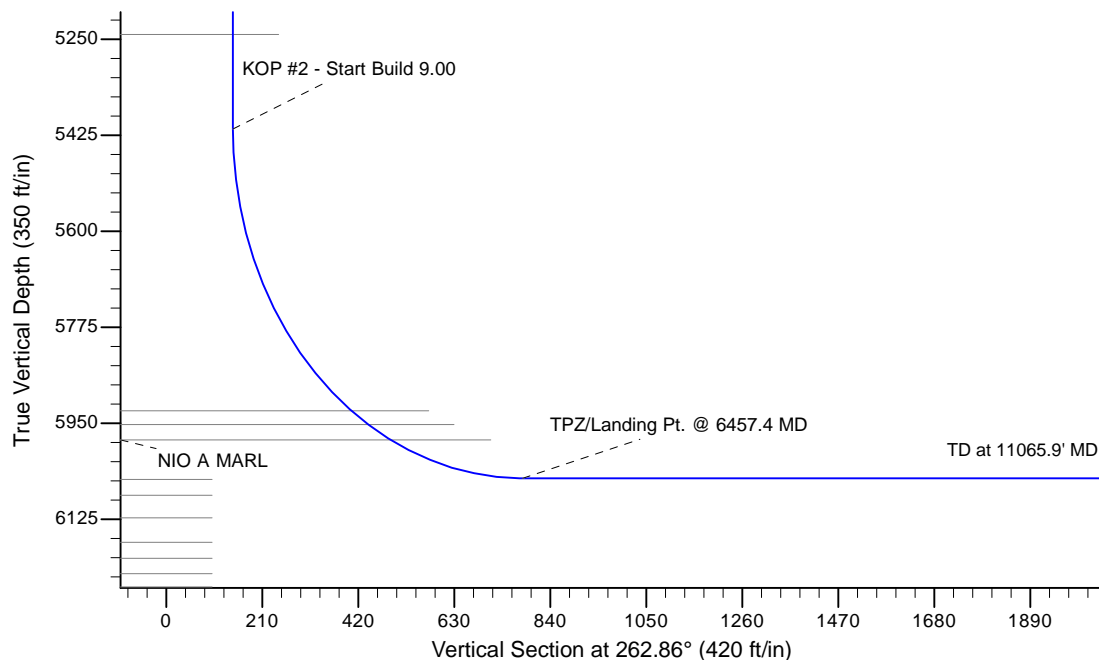
Project: Wattenberg Field
 Site: LC (Sec. 22-T09N-R59W) Weld County, CO
 Well: Minutemen Federal LC21-615
 Wellbore: Original Drilling
 Design: APD - Rev 1

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	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2535.9	10.72	189.74	2532.8	-49.3	-8.5	2.00	189.74	14.5	
4	4699.1	10.72	189.74	4658.2	-445.7	-76.5	0.00	0.00	131.3	
5	5235.0	0.00	0.00	5191.0	-495.0	-85.0	2.00	180.00	145.8	
6	5457.4	0.00	0.00	5413.4	-495.0	-85.0	0.00	0.00	145.8	
7	6457.4	90.00	268.12	6050.0	-515.9	-721.3	9.00	268.12	779.8	
8	11065.9	90.00	268.12	6050.0	-666.9	-5327.4	0.00	0.00	5369.0	Minutemen Federal LC21-615 BHL 330'FSL, 330'FWL



WELL DETAILS: Minutemen Federal LC21-615

Ground Level: 4877.0					
	Northing	Easting	Latitude	Longitude	
0.0	0.0	1512843.42	3423453.07	40.731130	-103.972040

Plan: APD - Rev 1 (Minutemen Federal LC21-615/Original Drilling)

Created By: Shailey Jewell Date: 14:01, October 13 2016

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____