

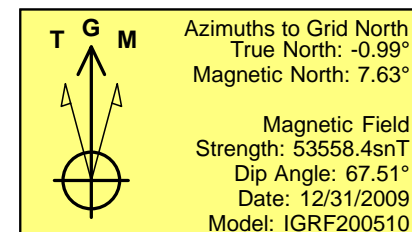
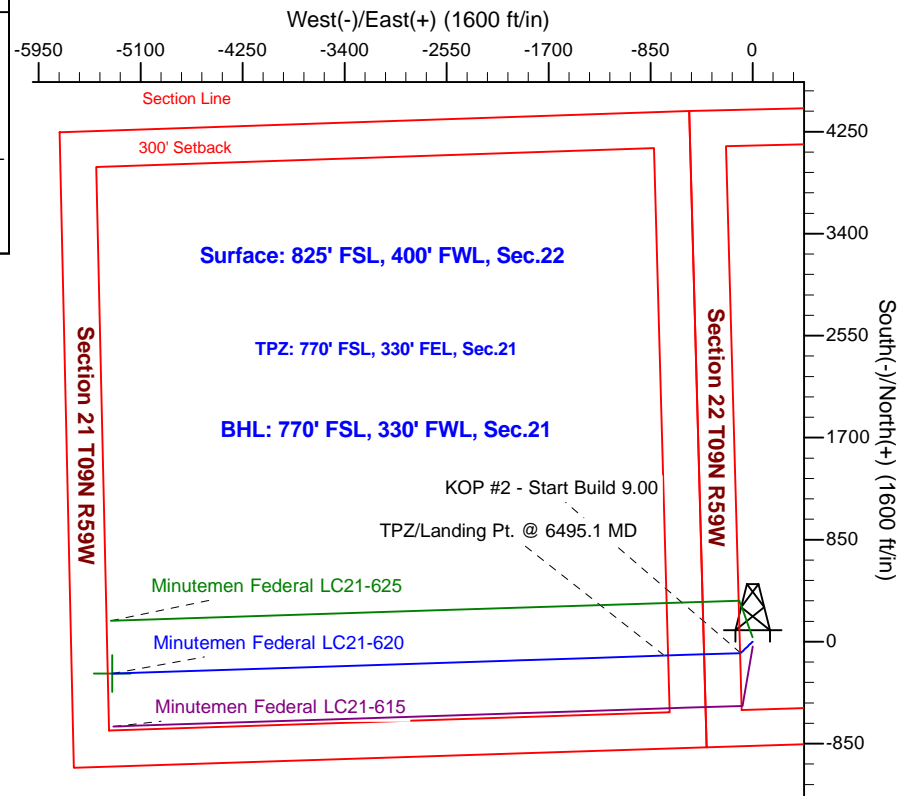
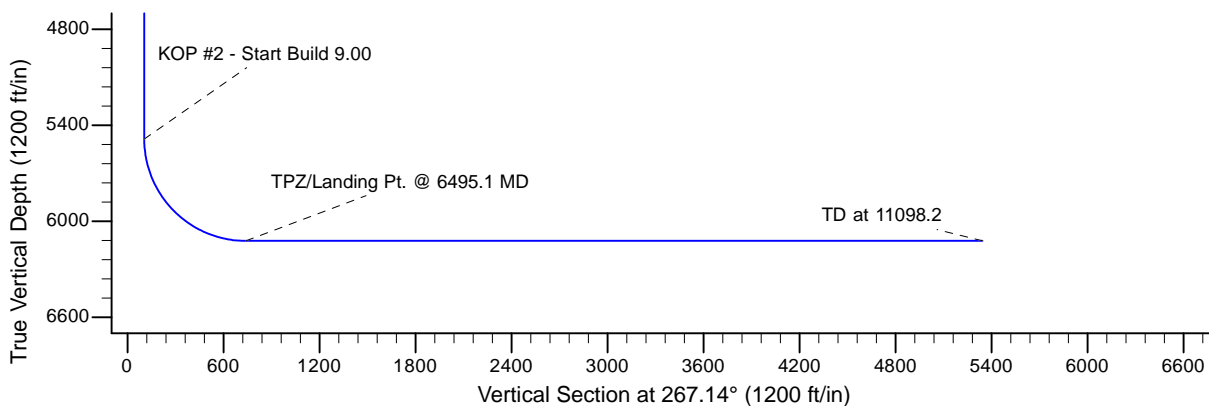
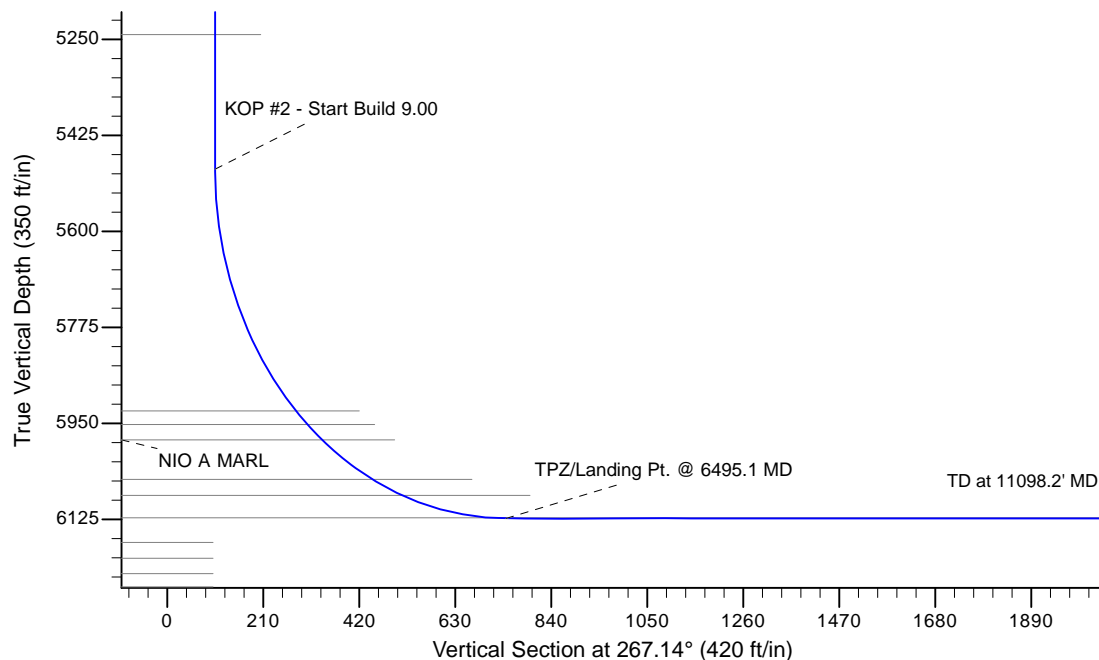
Project: Wattenberg Field
 Site: LC (Sec.22-T09N-R59W) Weld County, CO
 Well: Minutemen Federal LC21-620
 Wellbore: Original Drilling
 Design: APD - Rev 1

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	2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	
3	2923.9	8.48	226.47	2922.4	-21.6	-22.7	2.00	226.47	23.7	
4	3434.8	8.48	226.47	3427.6	-73.4	-77.3	0.00	0.00	80.9	
5	3858.7	0.00	0.00	3850.0	-95.0	-100.0	2.00	180.00	104.6	
6	5495.1	0.00	0.00	5486.4	-95.0	-100.0	0.00	0.00	104.6	
7	6495.1	90.00	268.13	6123.0	-115.8	-736.3	9.00	268.13	741.1	
8	11098.2	90.00	268.13	6123.0	-266.3	-5337.0	0.00	0.00	5343.6	Minutemen Federal LC21-620 BHL 770'FSL, 330'FWL



WELL DETAILS: Minutemen Federal LC21-620

Ground Level: 4877.0					
	Northing	Easting	Latitude	Longitude	
0.0	0.0	1512883.49	3423452.38	40.731240	-103.972040

Plan: APD - Rev 1 (Minutemen Federal LC21-620/Original Drilling)

Created By: Shailey Jewell Date: 13:51, October 13 2016

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____