

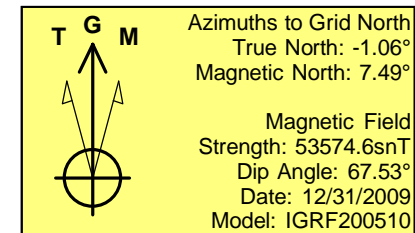
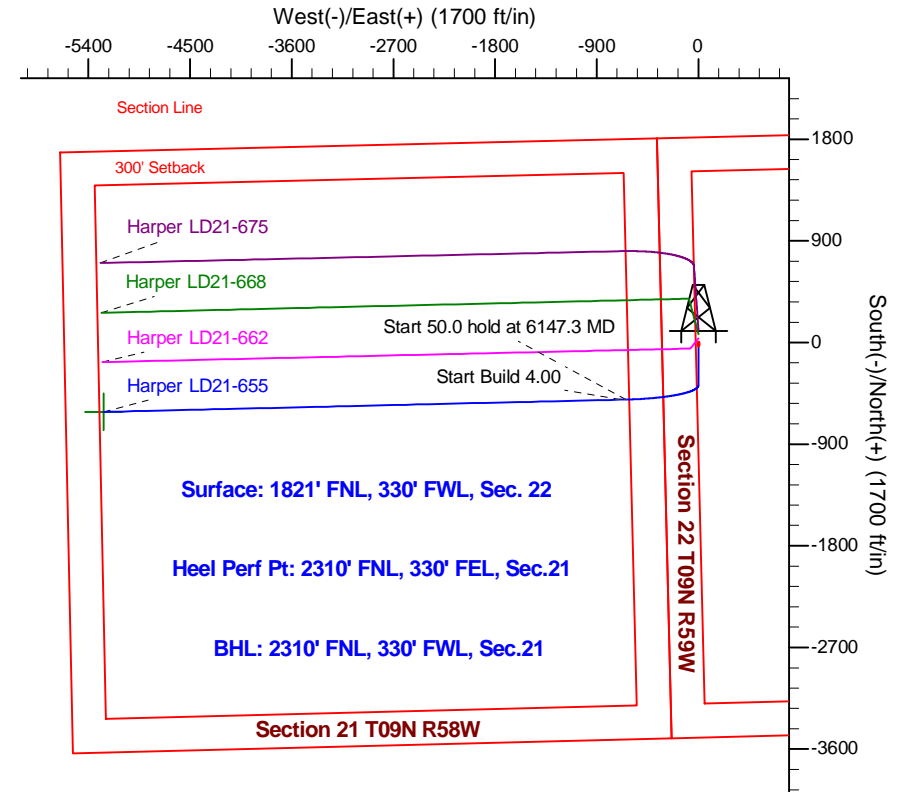
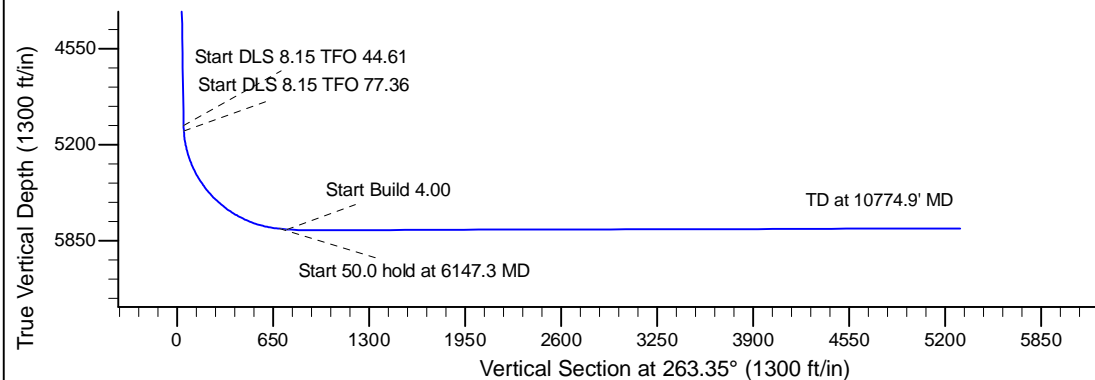
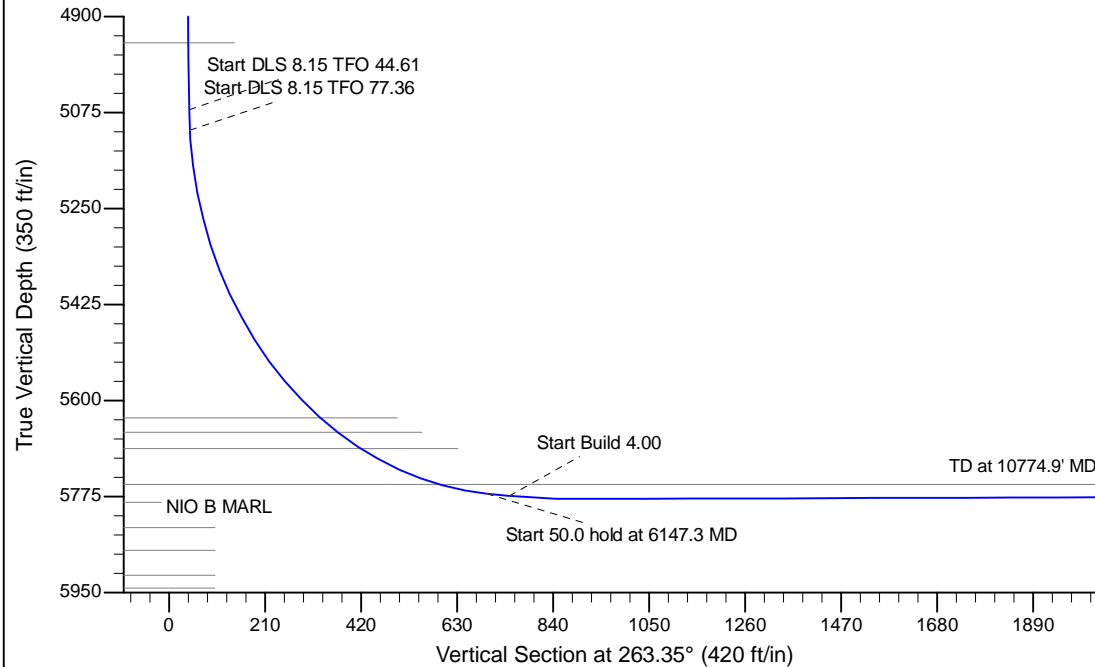
Project: Wattenberg Field  
Site: LD (Sec.20-T09N-R58W) Weld County, CO  
Well: Harper LD21-655  
Wellbore: Original Drilling  
Design: APD - Rev 0

# 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	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2100.0	0.00	0.00	2100.0	0.0	0.0	0.00	0.00	0.0	
3	2487.5	7.75	180.00	2486.3	-26.2	0.0	2.00	180.00	3.0	
4	5095.0	7.75	180.00	5070.0	-377.8	0.0	0.00	0.00	43.8	
5	5132.9	10.18	192.36	5107.4	-383.6	-0.7	8.15	44.61	45.2	
6	6147.3	85.00	268.64	5770.0	-505.0	-640.0	8.15	77.36	694.2	
7	6197.3	85.00	268.64	5774.4	-506.2	-689.8	0.00	0.00	743.8	
8	6326.0	90.15	268.64	5779.8	-509.2	-818.4	4.00	0.00	871.8	
9	10774.9	90.15	268.65	5768.1	-614.4	-5266.0	0.00	82.91	5301.7	Harper LD21-655 BHL 2310'FNL, 330'FWL



## WELL DETAILS: Harper LD21-655

Ground Level: 4777.0		Northing	Easting	Latitude	Longitude
0.0	0.0	1516291.47	3454901.02	40.739050	-103.858360

## Plan: APD - Rev 0 (Harper LD21-655/Original Drilling)

Created By: Shailey Jewell Date: 15:34, March 15 2016

Checked: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_

Approved: \_\_\_\_\_ Date: \_\_\_\_\_