

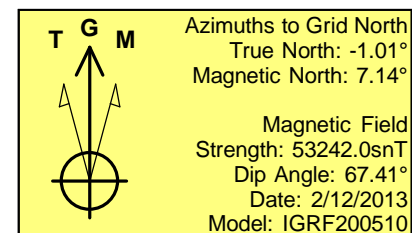
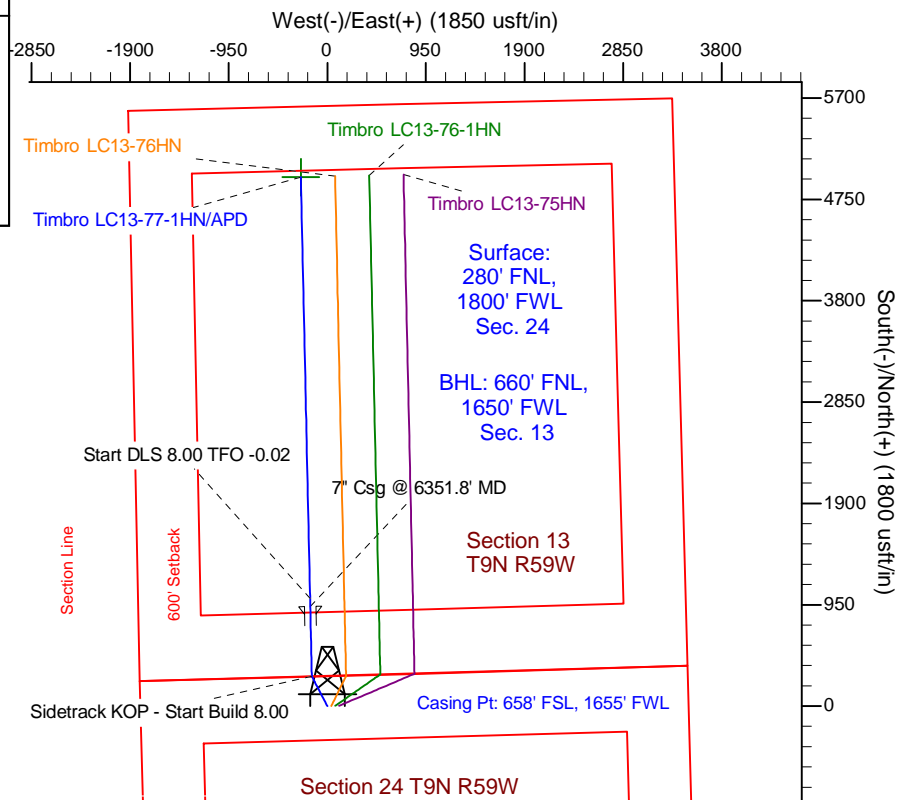
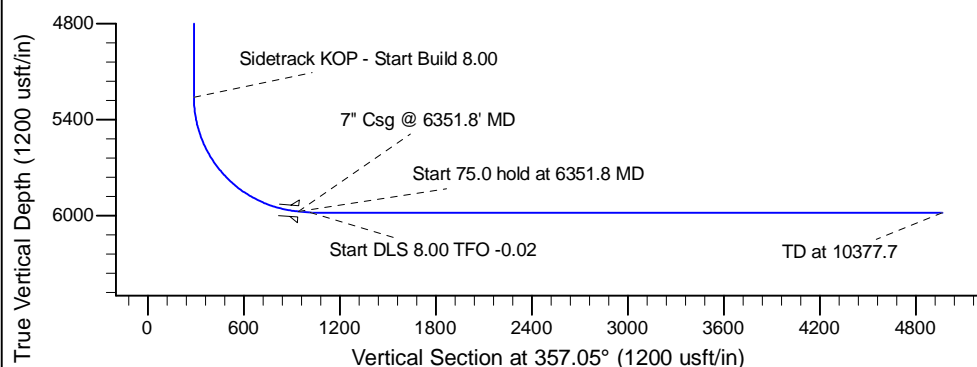
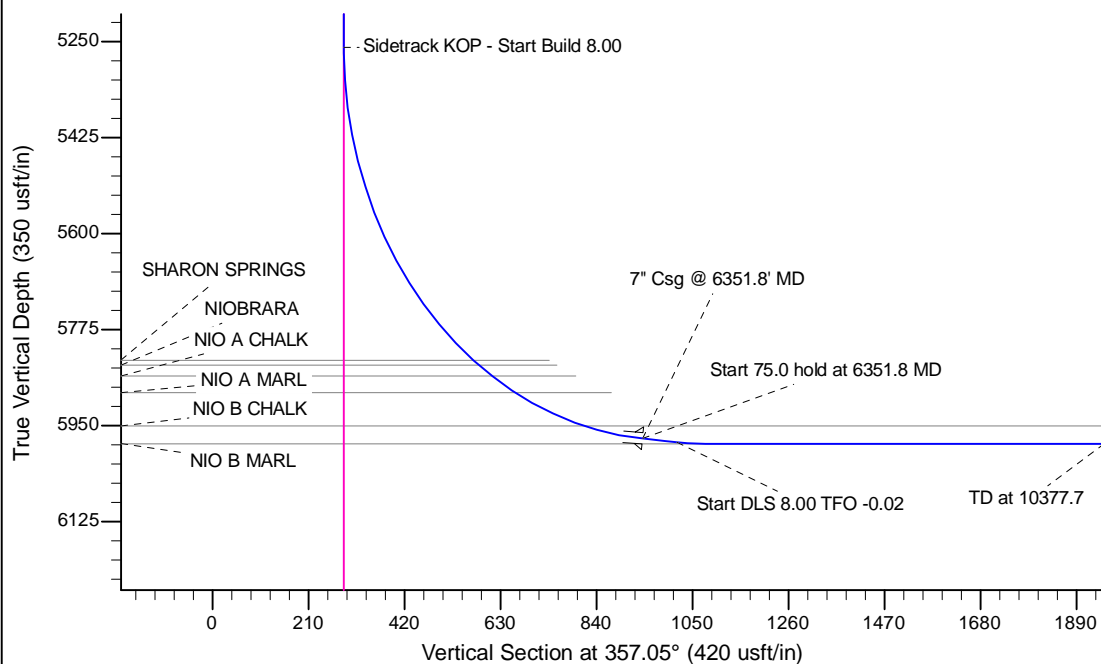
Project: Wattenberg Field  
 Site: LC (Sec.24-T09N-R59W) Weld County, CO  
 Well: Timbro LC13-77-1HN  
 Wellbore: Original Drilling  
 Design: APD - Rev 0 (Sidetrack)

# 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	VSec	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	2600.4	12.01	331.82	2596.0	55.3	-29.6	2.00	331.82	56.7	
4	3524.6	12.01	331.82	3500.0	224.7	-120.4	0.00	0.00	230.6	
5	4125.0	0.00	0.00	4096.0	280.0	-150.0	2.00	180.00	287.3	
6	5289.3	0.00	0.00	5260.3	280.0	-150.0	0.00	0.00	287.3	
7	6351.8	85.00	358.71	5973.8	933.6	-164.7	8.00	358.71	940.8	
8	6426.8	85.00	358.71	5980.3	1008.3	-166.4	0.00	0.00	1015.5	
9	6489.3	90.00	358.71	5983.0	1070.7	-167.8	8.00	-0.02	1077.9	
10	10377.7	90.00	358.71	5983.0	4958.1	-255.5	0.00	0.00	4964.7	Timbro LC13-77-1HN BHL 660'FNL, 1650'FWL



## WELL DETAILS: Timbro LC13-77-1HN

Ground Level: 4860.0	Latitude: 40.742856	Longitude: -103.929317
Northing: 1517321.74	Easting: 3435216.27	

Plan: APD - Rev 0 (Sidetrack) (Timbro LC13-77-1HN/Original Drilling)

Created By: Carrie Wilers Date: 13:03, February 14 2013

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

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

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