

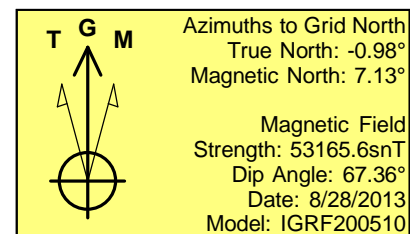
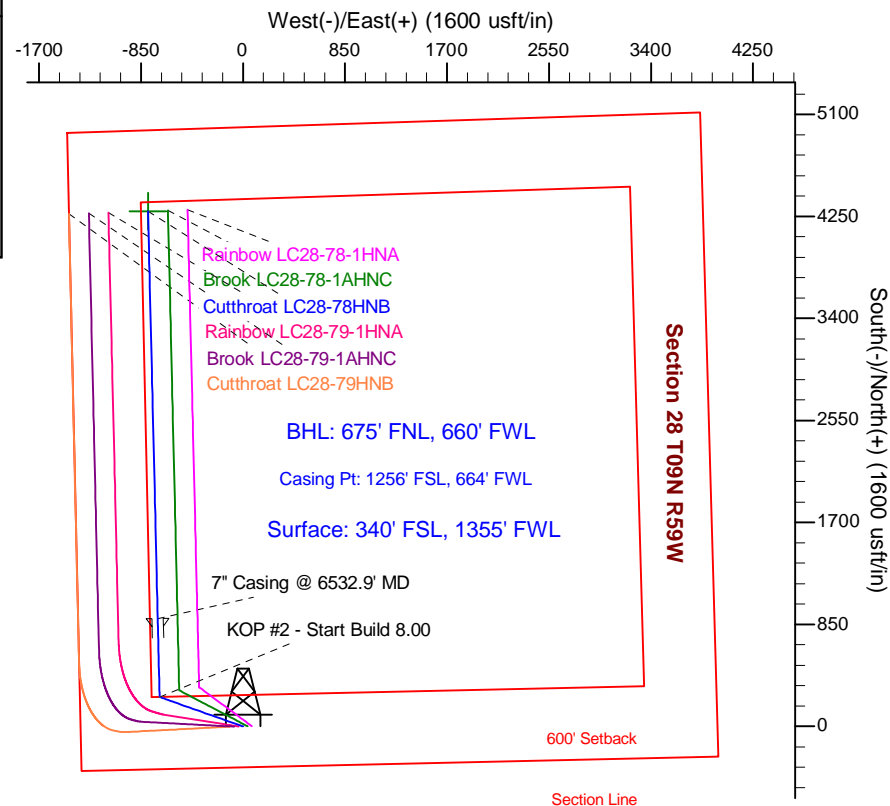
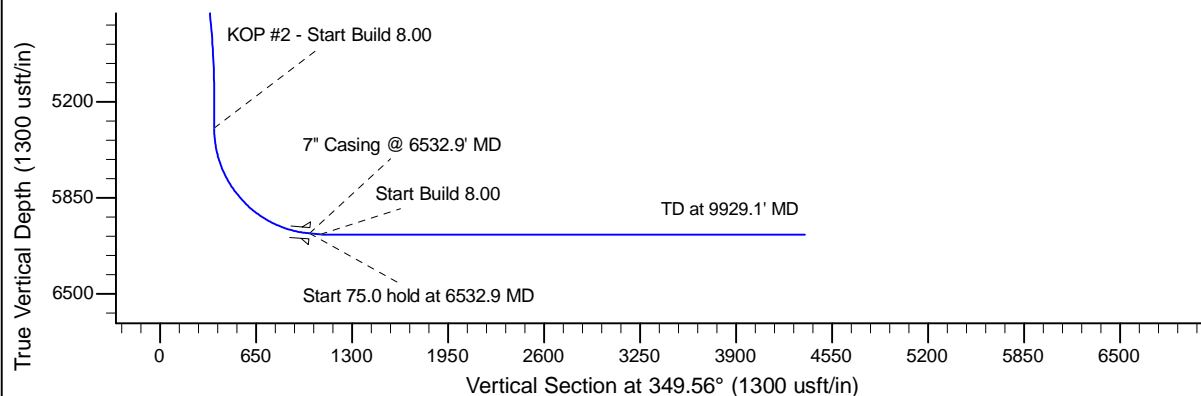
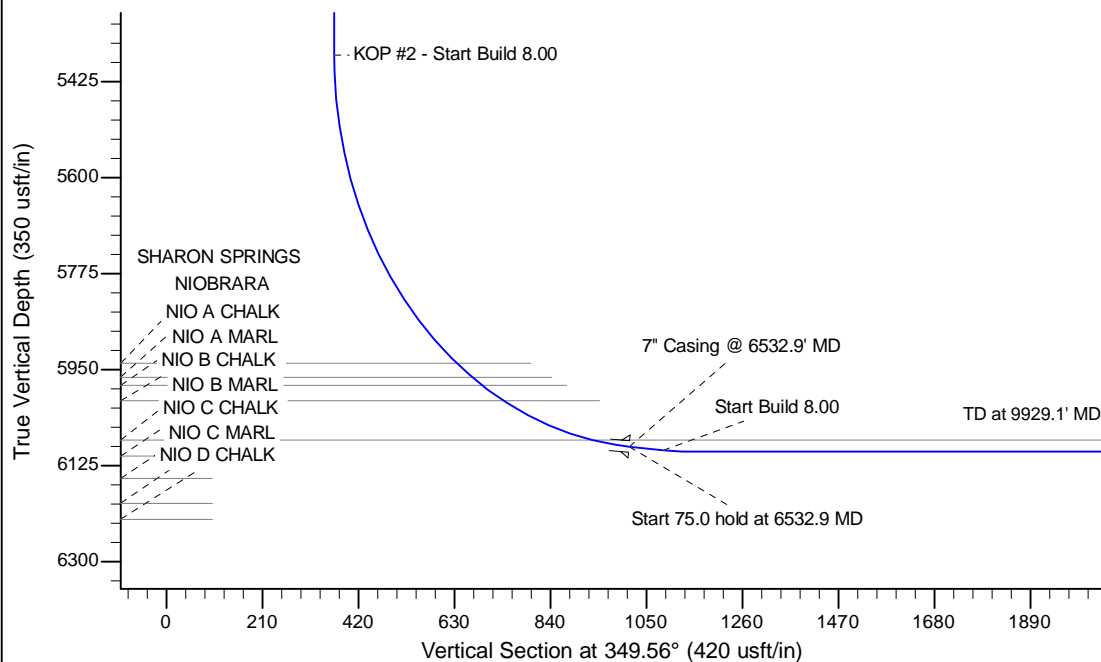
Project: Wattenberg Field  
Site: LC (Sec.28-T09N-R59W) Weld County, CO  
Well: Cutthroat LC28-78HNB  
Wellbore: Original Drilling  
Design: APD - Rev 1

# 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	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2600.1	16.00	289.42	2589.7	36.9	-104.7	2.00	289.42	55.3	
4	4468.0	16.00	289.42	4385.3	208.1	-590.3	0.00	0.00	311.6	
5	5268.1	0.00	0.00	5175.0	245.0	-695.0	2.00	180.00	366.9	
6	5470.4	0.00	0.00	5377.3	245.0	-695.0	0.00	0.00	366.9	
7	6532.9	85.00	358.64	6090.7	898.6	-710.5	8.00	358.64	1012.5	
8	6607.9	85.00	358.64	6097.3	973.3	-712.3	0.00	0.00	1086.2	
9	6670.4	90.00	358.64	6100.0	1035.7	-713.8	8.00	0.00	1147.9	
10	9929.1	90.00	358.64	6100.0	4293.6	-791.2	0.00	0.00	4365.8	Cutthroat LC28-78HNB BHL 675'FNL, 660'FWL



## WELL DETAILS: Cutthroat LC28-78HNB

Ground Level: 4854.0			
0.0	0.0	1506890.51	3419266.48
0.0	0.0	1506890.51	3419266.48
0.0	0.0	1506890.51	3419266.48

Plan: APD - Rev 1 (Cutthroat LC28-78HNB/Original Drilling)

Created By: Shailey Jewell Date: 11:45, January 14 2014

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

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

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