

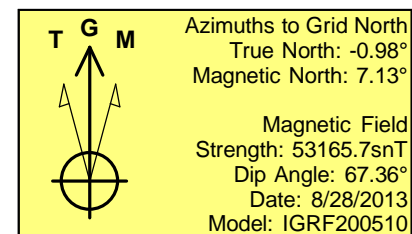
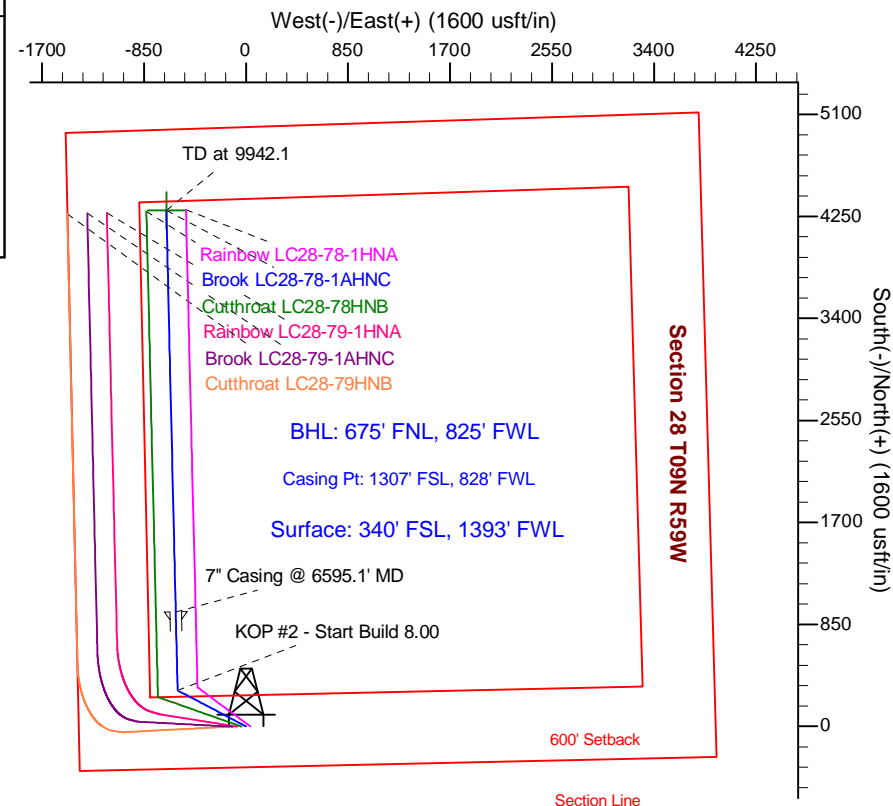
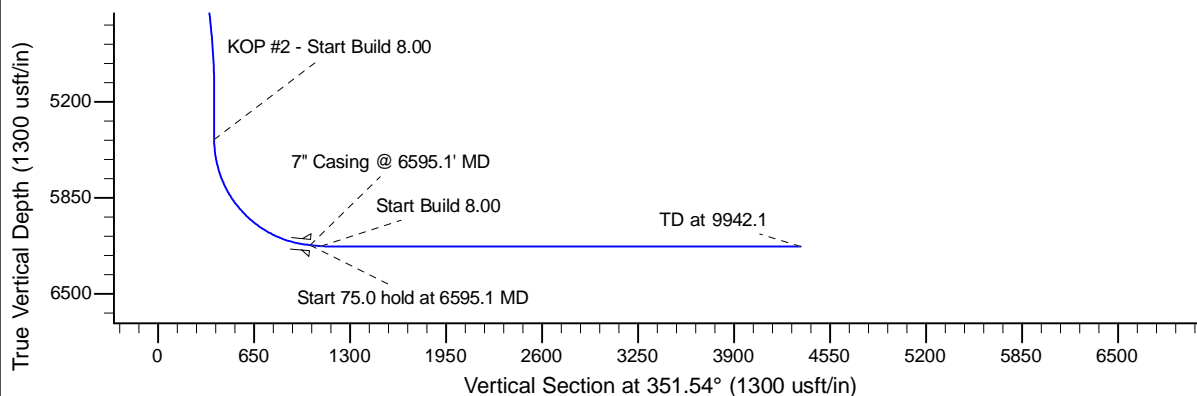
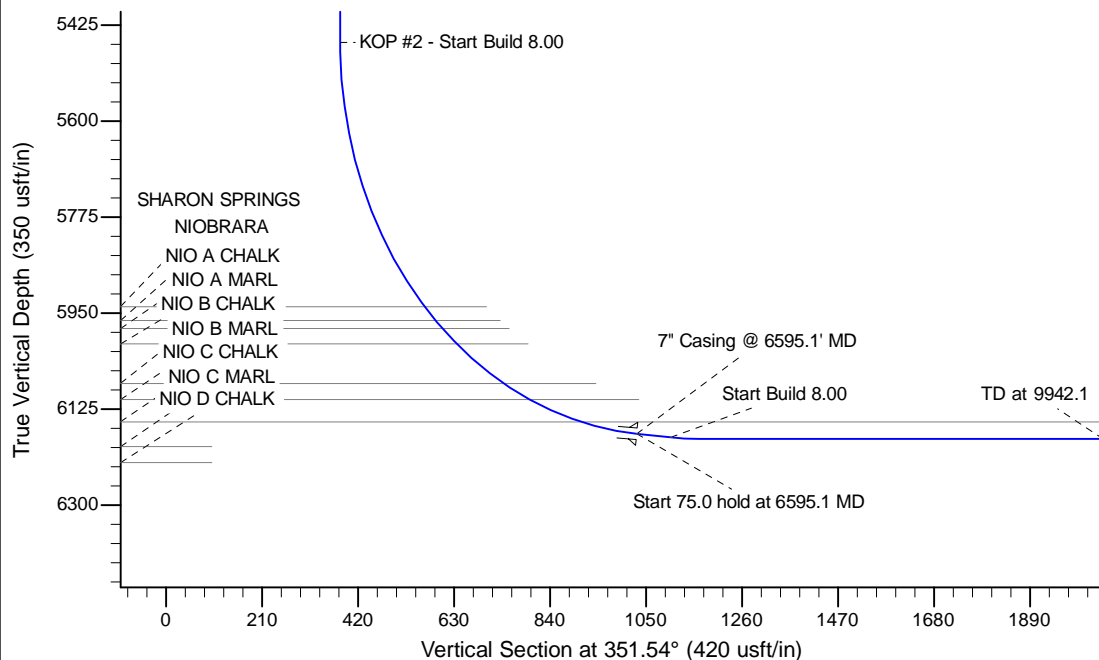
Project: Wattenberg Field  
 Site: LC (Sec.28-T09N-R59W) Weld County, CO  
 Well: Brook LC28-78-1AHNC  
 Wellbore: Original Drilling  
 Design: APD - Rev 1

# 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   | 2000.0 | 0.00  | 0.00   | 2000.0 | 0.0    | 0.0    | 0.00 | 0.00   | 0.0    |  |
| 3   | 2751.4 | 15.03 | 297.76 | 2742.8 | 45.6   | -86.7  | 2.00 | 297.76 | 57.9   |  |
| 4   | 4479.9 | 15.03 | 297.76 | 4412.2 | 254.4  | -483.3 | 0.00 | 0.00   | 322.7  |  |
| 5   | 5231.3 | 0.00  | 0.00   | 5155.0 | 300.0  | -570.0 | 2.00 | 180.00 | 380.6  |  |
| 6   | 5532.6 | 0.00  | 0.00   | 5456.3 | 300.0  | -570.0 | 0.00 | 0.00   | 380.6  |  |
| 7   | 6595.1 | 85.00 | 358.66 | 6169.7 | 953.6  | -585.3 | 8.00 | 358.66 | 1029.4 |  |
| 8   | 6670.1 | 85.00 | 358.66 | 6176.3 | 1028.3 | -587.1 | 0.00 | 0.00   | 1103.5 |  |
| 9   | 6732.6 | 90.00 | 358.66 | 6179.0 | 1090.7 | -588.5 | 8.00 | 0.00   | 1165.4 |  |
| 10  | 9942.1 | 90.00 | 358.66 | 6179.0 | 4299.4 | -663.8 | 0.00 | 0.00   | 4350.2 | Brook LC28-78-1AHNC BHL 675'FNL, 825'FWL |



| WELL DETAILS: Brook LC28-78-1AHNC                         |     |                              |            |             |
|---|-----|------------------------------|------------|-------------|
| Ground Level: 4853.0                                      |     |                              |            |             |
| 0.0   | 0.0 | 1506891.17                   | 3419305.29 | -103.987370 |
| Plan: APD - Rev 1 (Brook LC28-78-1AHNC/Original Drilling) |     |                              |            |             |
| Created By: Shailey Jewell                                |     | Date: 11:49, January 14 2014 |            |             |
| Checked: _____  |     | Date: _____                  |            |             |
| Reviewed: _____   |     | Date: _____                  |            |             |
| Approved: _____   |     | Date: _____                  |            |             |