

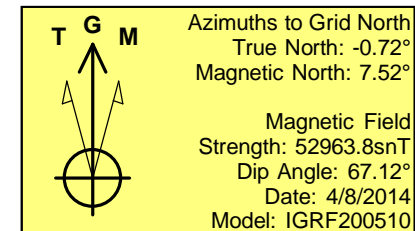
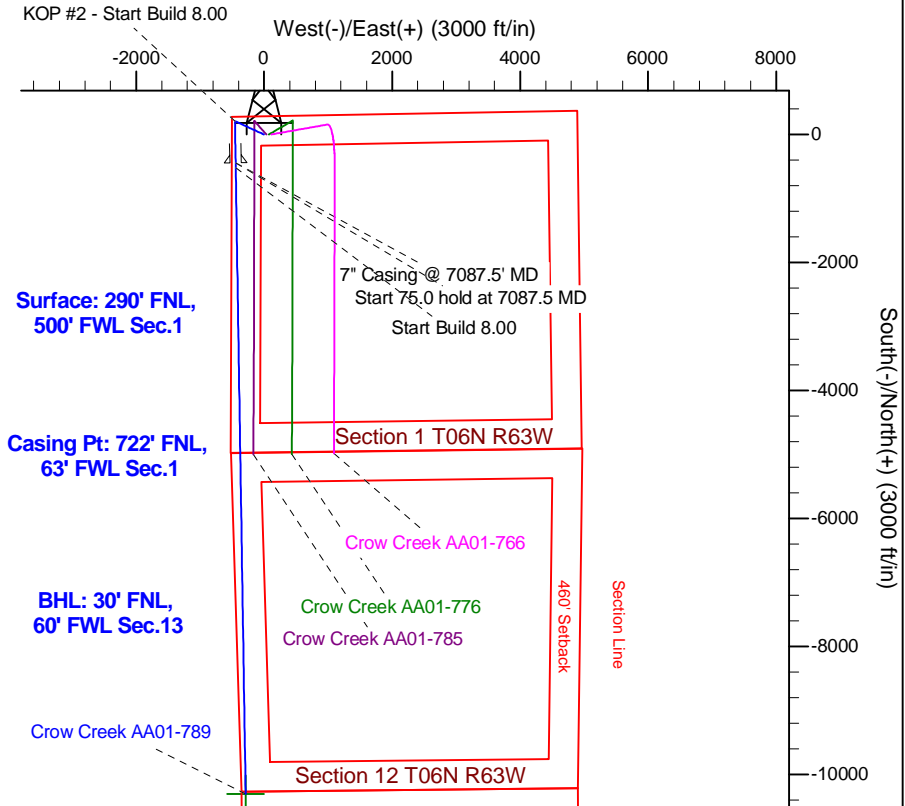
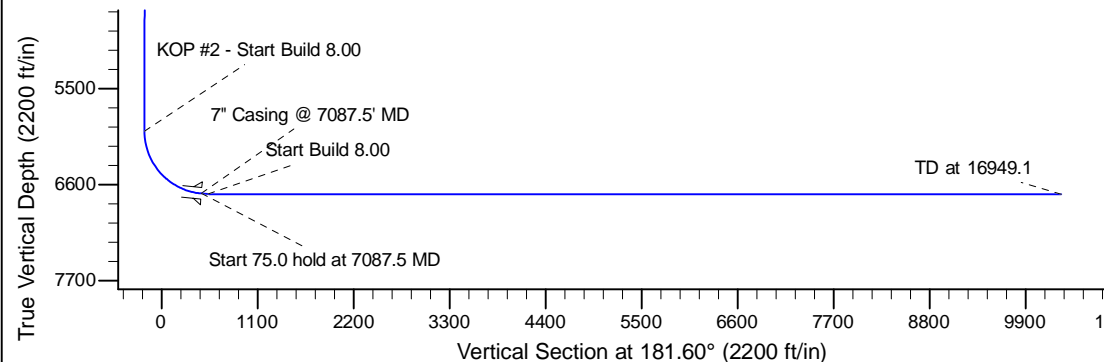
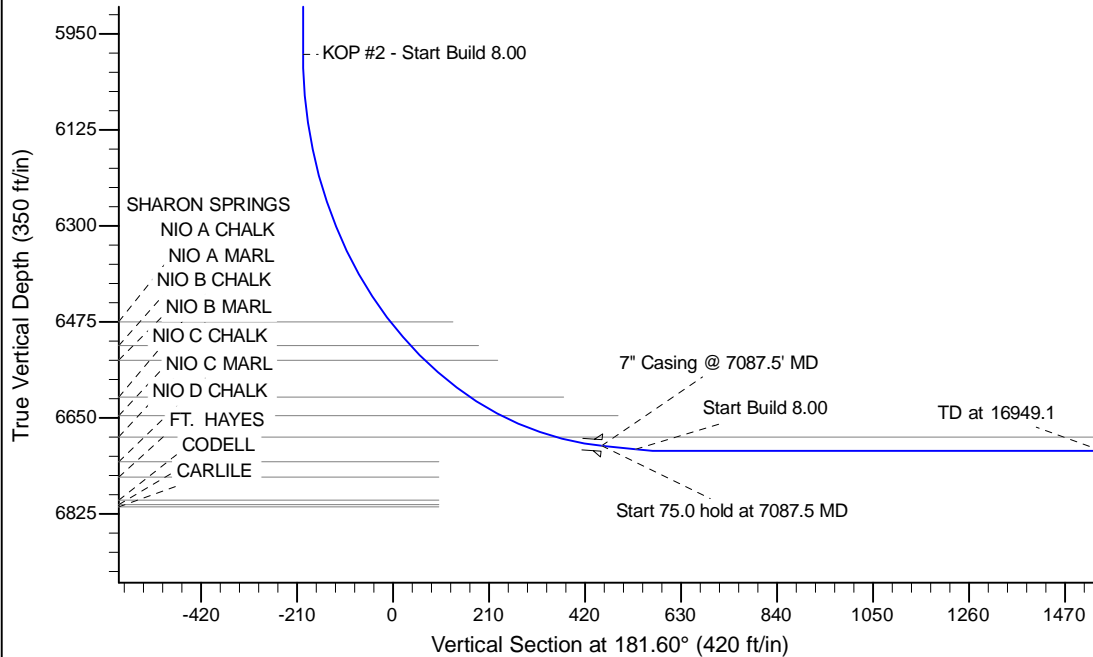
Project: Wattenberg Field  
 Site: AA (Sec.1-T06N-R63W) Weld County, CO  
 Well: Crow Creek AA01-789  
 Wellbore: Original Drilling  
 Design: APD - Rev 1

# 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   | 1200.0  | 0.00  | 0.00   | 1200.0 | 0.0      | 0.0    | 0.00 | 0.00   | 0.0     |  |
| 3   | 1652.4  | 9.05  | 294.78 | 1650.6 | 14.9     | -32.4  | 2.00 | 294.78 | -14.0   |  |
| 4   | 4385.3  | 9.05  | 294.78 | 4349.4 | 195.1    | -422.6 | 0.00 | 0.00   | -183.2  |  |
| 5   | 4837.8  | 0.00  | 0.00   | 4800.0 | 210.0    | -455.0 | 2.00 | 180.00 | -197.2  |  |
| 6   | 6025.0  | 0.00  | 0.00   | 5987.3 | 210.0    | -455.0 | 0.00 | 0.00   | -197.2  |  |
| 7   | 7087.5  | 85.00 | 179.09 | 6700.7 | -443.7   | -444.7 | 8.00 | 179.09 | 456.0   |  |
| 8   | 7162.5  | 85.00 | 179.09 | 6707.3 | -518.4   | -443.5 | 0.00 | 0.00   | 530.6   |  |
| 9   | 7225.0  | 90.00 | 179.09 | 6710.0 | -580.8   | -442.5 | 8.00 | 0.00   | 593.0   |  |
| 10  | 16949.1 | 90.00 | 179.09 | 6710.0 | -10303.7 | -288.5 | 0.00 | 0.00   | 10307.7 | Crow Creek AA01-789 BHL 30'FNL, 60'FWL |



| WELL DETAILS: Crow Creek AA01-789                           |     |            |                            |           |             |
|---|-----|------------|----------------------------|-----------|-------------|
| Ground Level:4796.0   |     |            |                            |           |             |
| 0.0   | 0.0 | Northing   | Easting                    | Latitude  | Longitude   |
|   |     | 1434938.93 | 3307892.55                 | 40.522030 | -104.392480 |
| Plan: APD - Rev 1 (Crow Creek AA01-789/Original Drilling)   |     |            |                            |           |             |
| Created By: Shailey Jewell                                  |     |            | Date: 8:01, August 01 2014 |           |             |
| OK to submit with 2A as per Noble Drilling<br>8/1/2014 8:03 |     |            |                            |           |             |