

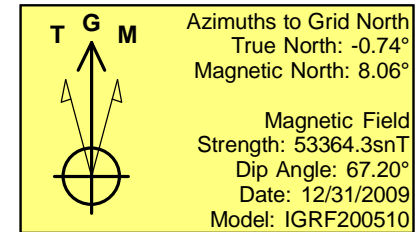
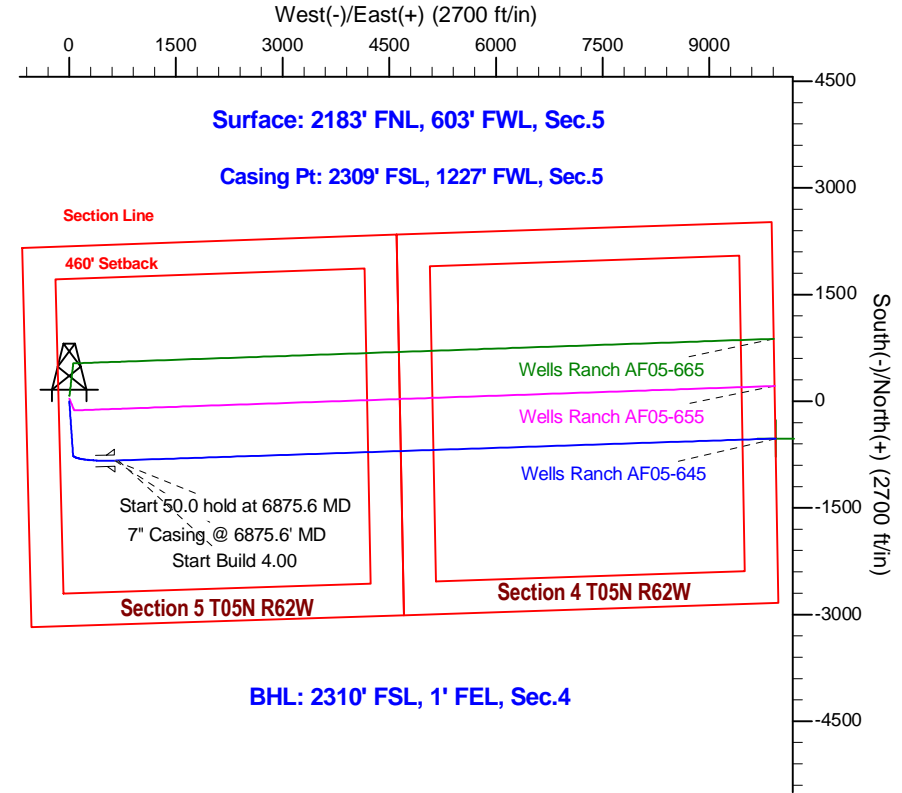
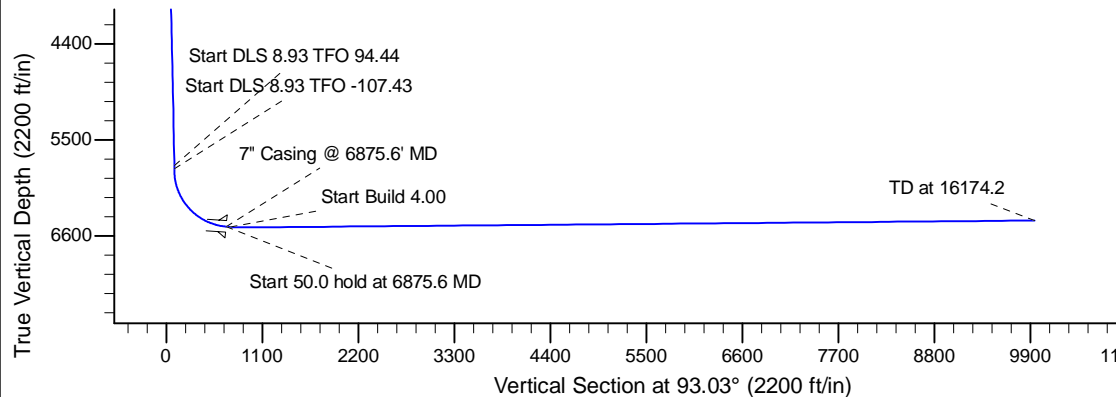
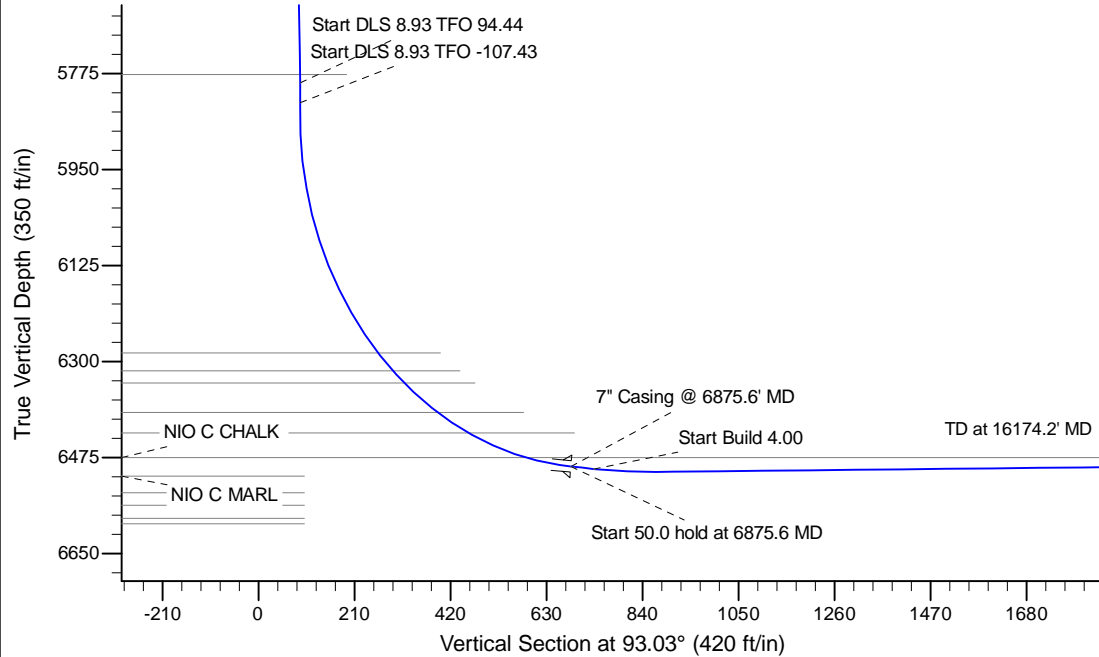
Project: Wattenberg Field  
Site: AF (Sec.5-T05N-R62W) Weld County, CO  
Well: Wells Ranch AF05-645  
Wellbore: Original Drilling  
Design: APD - Rev 1

# 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   | VSect  | 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   | 1687.5  | 9.75  | 176.00 | 1685.2 | -41.3  | 2.9    | 2.00 | 176.00  | 5.1    |  |
| 4   | 5854.5  | 9.75  | 176.00 | 5792.0 | -745.2 | 52.1   | 0.00 | 0.00    | 91.4   |  |
| 5   | 5890.9  | 10.03 | 194.93 | 5827.8 | -751.4 | 51.5   | 8.93 | 94.44   | 91.1   |  |
| 6   | 6875.6  | 85.00 | 88.09  | 6491.3 | -835.0 | 640.0  | 8.93 | -107.43 | 683.2  |  |
| 7   | 6925.6  | 85.00 | 88.09  | 6495.7 | -833.3 | 689.8  | 0.00 | 0.00    | 732.8  |  |
| 8   | 7063.1  | 90.50 | 88.09  | 6501.1 | -828.8 | 827.0  | 4.00 | 0.00    | 869.7  |  |
| 9   | 16174.2 | 90.50 | 88.10  | 6421.5 | -525.5 | 9932.8 | 0.00 | 83.64   | 9946.7 | Wells Ranch AF05-645 BHL 2310'FSL, 1'FEL |



| WELL DETAILS: Wells Ranch AF05-645                         |     |                                |                       |   |
|--|-----|--------------------------------|-----------------------|---|
| Ground Level: 4681.0                                       |     |                                |                       |   |
| 0.0  | 0.0 | Northing<br>1401534.05         | Easting<br>3318853.13 | Latitude<br>40.429960<br>Longitude<br>-104.354610 |
| Plan: APD - Rev 1 (Wells Ranch AF05-645/Original Drilling) |     |                                |                       |   |
| Created By: Shailey Jewell                                 |     | Date: 16:45, September 10 2015 |                       |   |
| Checked: _____   |     | Date: _____                    |                       |   |
| Reviewed: _____  |     | Date: _____                    |                       |   |
| Approved: _____  |     | Date: _____                    |                       |   |