

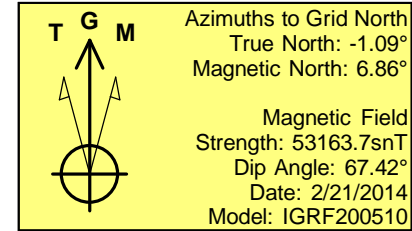
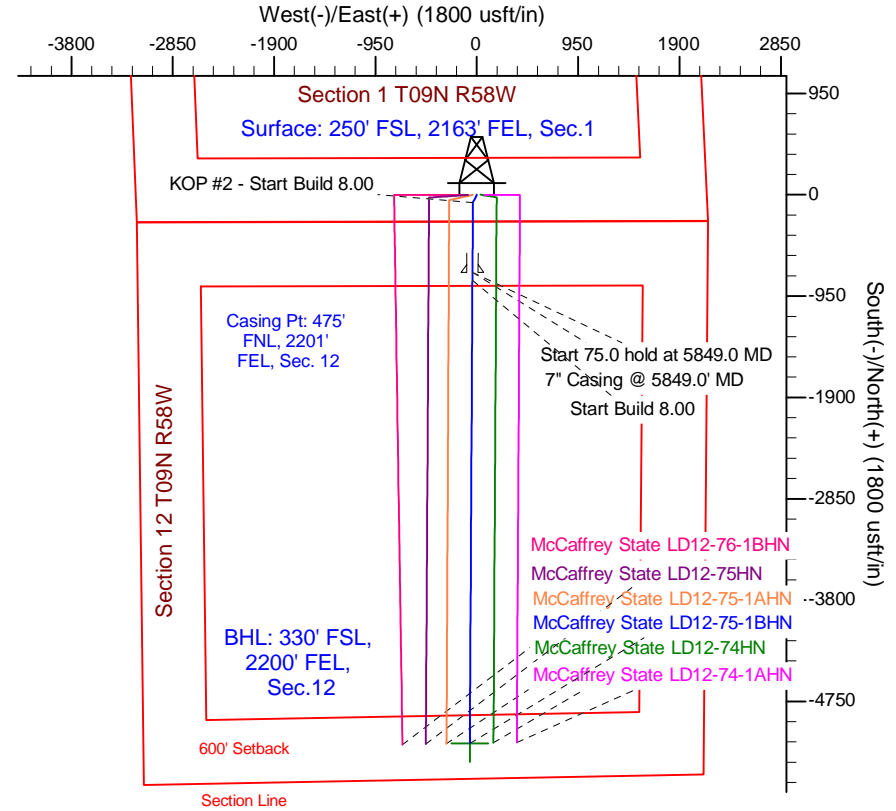
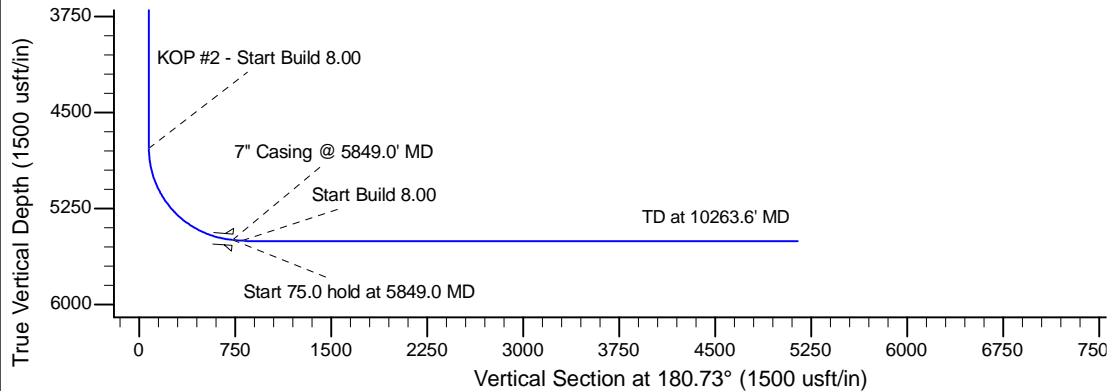
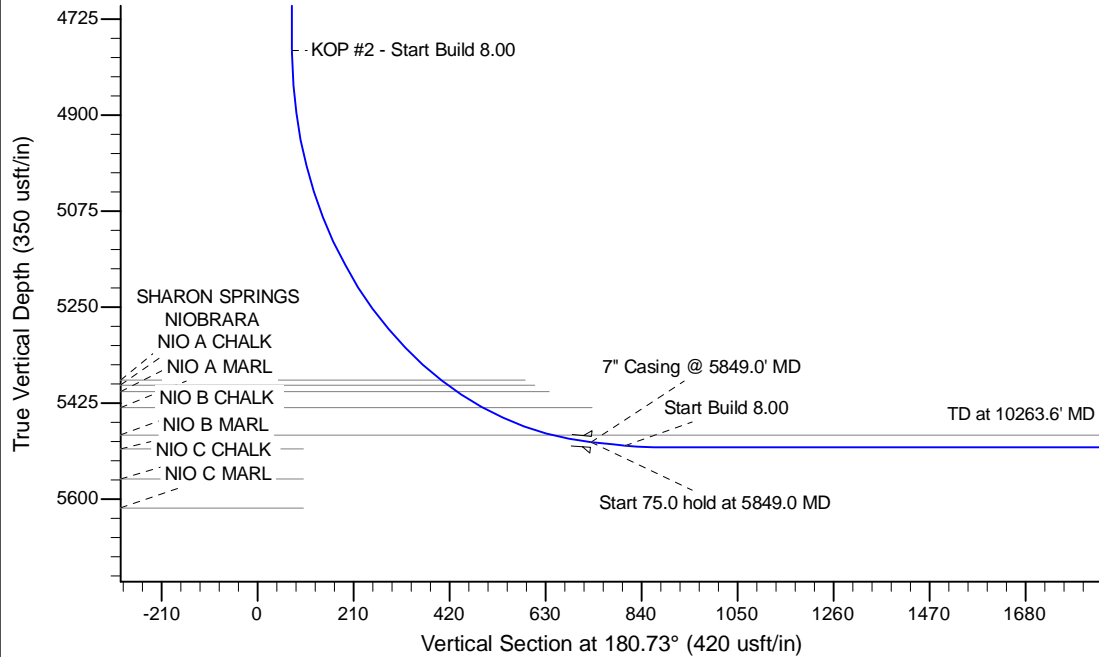
Project: Wattenberg Field  
Site: LD (Sec.1-T09N-R58W) Weld County, CO  
Well: McCaffrey State LD12-75-1BHN  
Wellbore: Original Drilling  
Design: APD - Rev 0

# 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   | 2151.6  | 7.03  | 206.26 | 2150.7 | -19.3   | -9.5  | 2.00 | 206.26 | 19.4   |   |
| 4   | 2482.6  | 7.03  | 206.26 | 2479.3 | -55.7   | -27.5 | 0.00 | 0.00   | 56.0   |   |
| 5   | 2834.3  | 0.00  | 0.00   | 2830.0 | -75.0   | -37.0 | 2.00 | 180.00 | 75.5   |   |
| 6   | 4786.5  | 0.00  | 0.00   | 4782.3 | -75.0   | -37.0 | 0.00 | 0.00   | 75.5   |   |
| 7   | 5849.0  | 85.00 | 180.32 | 5495.7 | -728.8  | -40.7 | 8.00 | 180.32 | 729.2  |   |
| 8   | 5924.0  | 85.00 | 180.32 | 5502.3 | -803.5  | -41.1 | 0.00 | 0.00   | 803.9  |   |
| 9   | 5986.5  | 90.00 | 180.32 | 5505.0 | -865.9  | -41.4 | 8.00 | 0.00   | 866.4  |   |
| 0   | 10263.6 | 90.00 | 180.32 | 5505.0 | -5142.9 | -65.5 | 0.00 | 0.00   | 5143.3 | McCaffrey State LD12-75-1BHN BHL 330'FSL,2200'FEL |



## WELL DETAILS: McCaffrey State LD12-75-1BHN

|     |     | Ground Level:4633.0 |             |
|-----|-----|---------------------|-------------|
|     |     | Northing            | Easting     |
| 0.0 | 0.0 | 1529237.26          | 3468024.86  |
|     |     | Latitude            | Longitude   |
|     |     | 40.773900           | -103.810120 |

Plan: APD - Rev 0 (McCaffrey State LD12-75-1BHN/Original Drilling)

Created By: Shailey Jewell Date: 10:22, February 24 2014

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

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

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