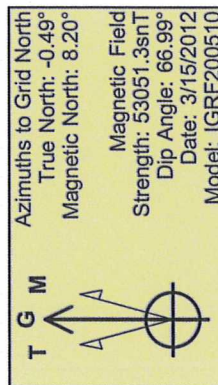
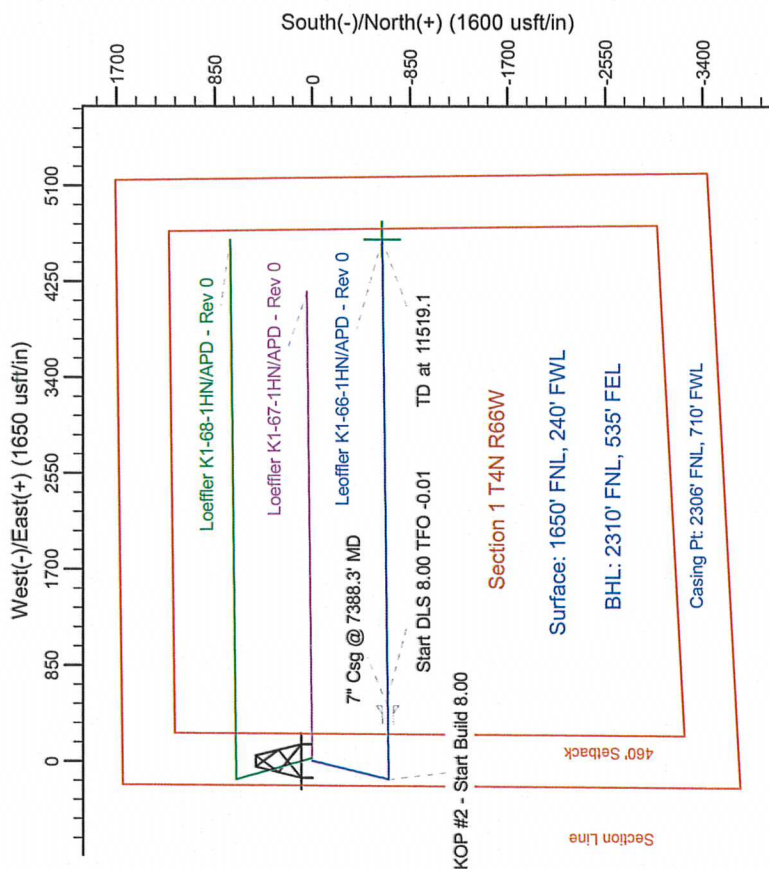
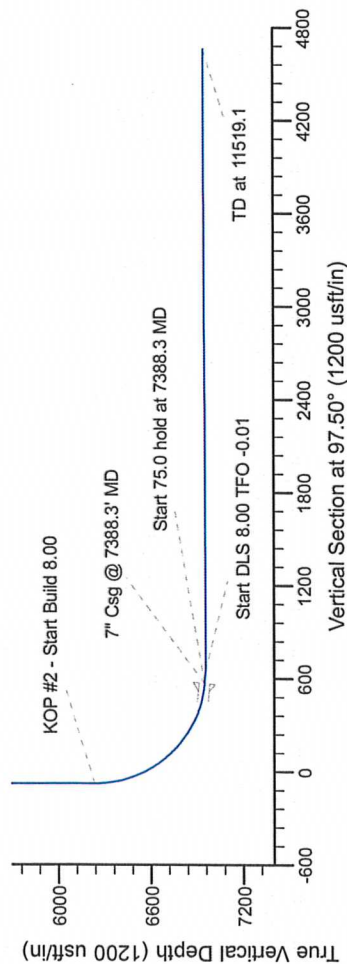
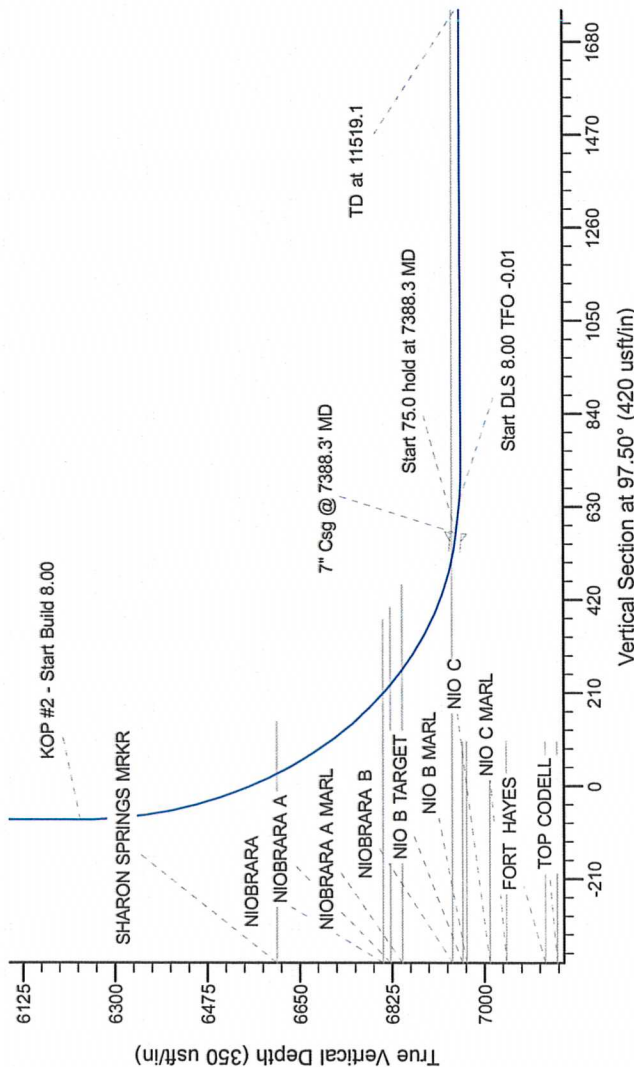


Project: Wattenberg Field  
Site: K (Sec.1-T04-R66W) Weld County, CO  
Well: Leoffler K1-66-1HN  
Wellbore: Original Drilling  
Design: APD - Rev 0

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  | VSecl  | Target |
| 1                                      | 0.0     | 0.00  | 0.00   | 0.0    | 0.0    | 0.0    | 0.00 | 0.00   | 0.0    | 0.0    |
| 2                                      | 1500.0  | 0.00  | 0.00   | 1500.0 | 0.0    | 0.0    | 0.00 | 0.00   | 0.0    | 0.0    |
| 3                                      | 2178.1  | 16.95 | 194.04 | 2168.2 | -98.6  | -24.2  | 2.50 | 194.04 | -11.3  | 0.0    |
| 4                                      | 3282.3  | 16.95 | 194.04 | 3746.8 | -563.4 | -140.8 | 2.50 | 0.00   | -66.1  | 0.0    |
| 5                                      | 4506.4  | 0.00  | 0.00   | 4415.0 | -660.0 | -185.0 | 2.50 | 180.00 | -77.4  | 0.0    |
| 6                                      | 6325.8  | 0.00  | 0.00   | 6234.4 | -660.0 | -185.0 | 0.00 | 0.00   | -77.4  | 0.0    |
| 7                                      | 7388.3  | 85.00 | 89.38  | 6947.9 | -652.9 | 488.7  | 8.00 | 89.38  | 569.8  | 0.0    |
| 8                                      | 7483.3  | 85.00 | 89.38  | 6954.4 | -651.4 | 563.4  | 0.00 | 0.00   | 643.8  | 0.0    |
| 9                                      | 7527.7  | 90.15 | 89.38  | 6957.1 | -651.4 | 627.7  | 8.00 | -0.01  | 707.4  | 0.0    |
| 10                                     | 11519.1 | 90.15 | 89.38  | 6946.8 | -608.2 | 4618.9 | 0.00 | 0.00   | 4658.8 | 0.0    |
| Loeffler K1-66-1HN BHL 2310FNL, 535FEL |         |       |        |        |        |        |      |        |        |        |



|  |  |
|--|--|
| WELL DETAILS: Leoffler K1-66-1HN   |  |
| Northing<br>1369045.53   | Ground Level: 4667.0<br>Easting<br>3213498.88<br>Latitude<br>40.343900<br>Longitude<br>-104.734050 |
| Plan: APD - Rev 0 (Leoffler K1-66-1HN/Original Drilling)                           |  |
| Created By: Carrie Willers<br>Checked: _____<br>Reviewed: _____<br>Approved: _____ | Date: 13:34, March 16 2012<br>Date: _____<br>Date: _____<br>Date: _____                            |