

Project: Wattenberg Field  
Site: AA (Sec.24-T06N-R63W) Weld County, CO  
Well: Wells Ranch USX AA23-62-1HN  
Wellbore: Original Drilling  
Design: APD - Rev 0

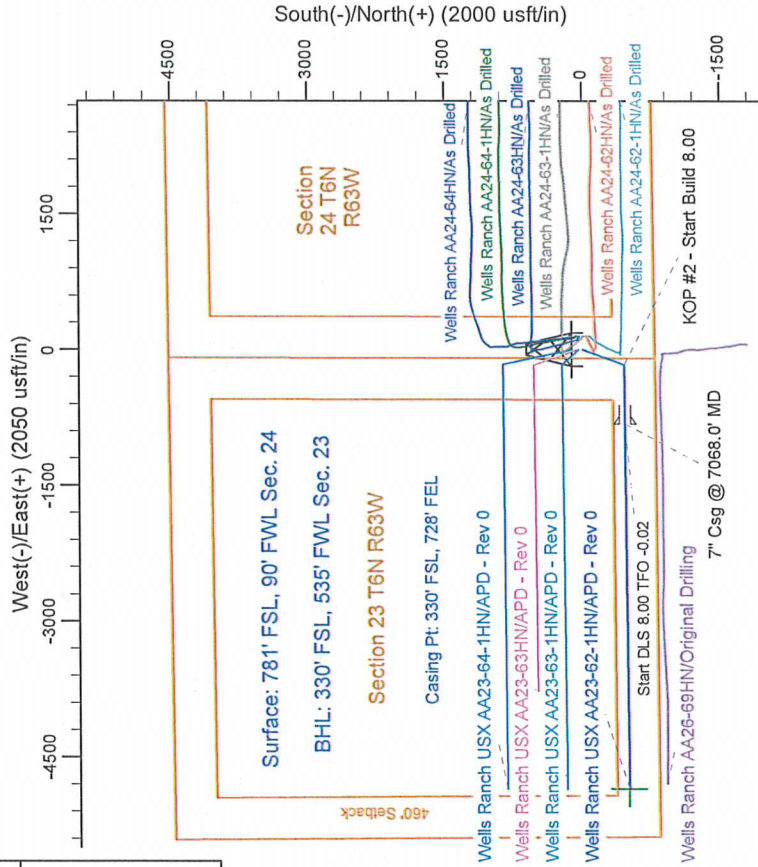
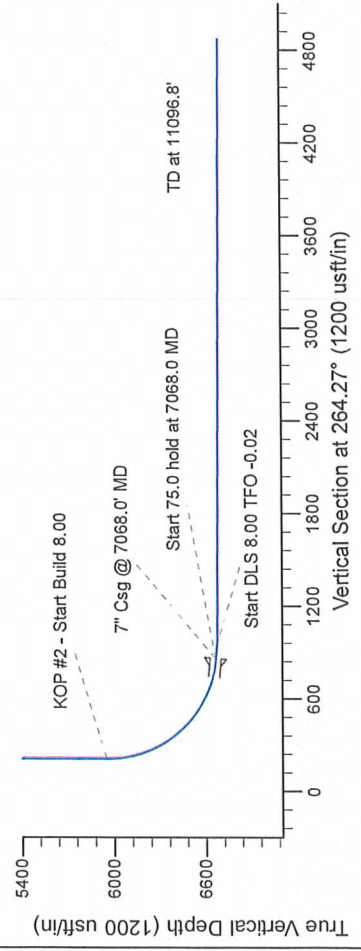
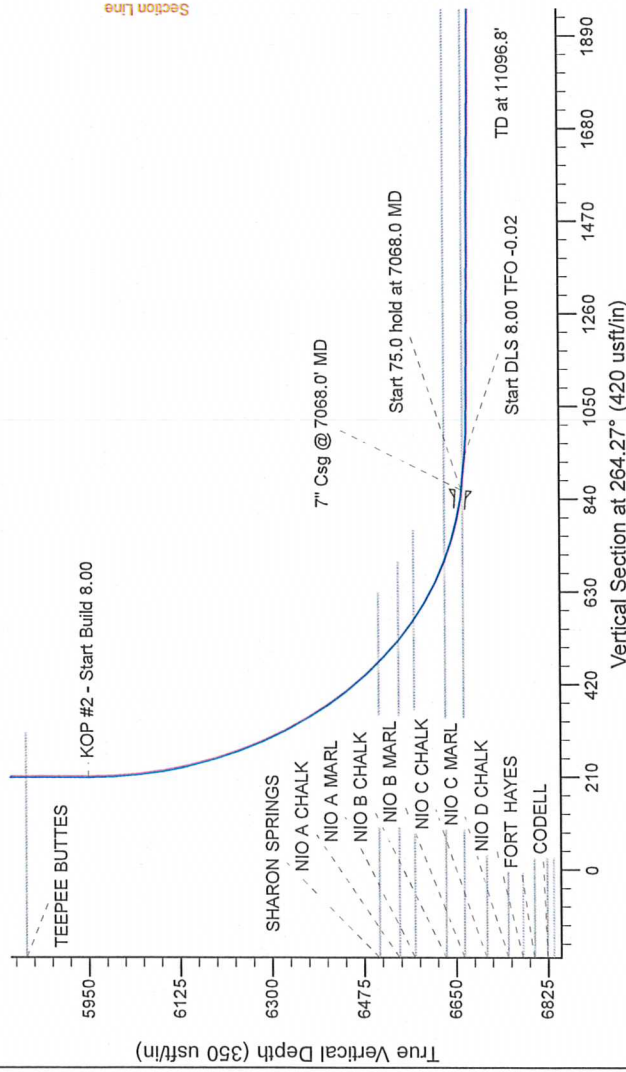
# Northern Region Drilling

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    | 0.0    |
| 2   | 1800.0  | 0.00  | 0.00   | 1800.0 | 0.0    | 0.0     | 0.00 | 0.00   | 0.0    | 0.0    |
| 3   | 2400.3  | 15.01 | 200.10 | 2393.5 | -73.4  | -26.9   | 2.50 | 200.10 | 34.1   | 34.1   |
| 4   | 3651.0  | 15.01 | 200.10 | 3601.5 | -377.6 | -138.1  | 0.00 | 0.00   | 175.1  | 175.1  |
| 5   | 4251.3  | 0.00  | 0.00   | 4195.0 | -451.0 | -2.50   | 0.00 | 180.00 | 209.2  | 209.2  |
| 6   | 6005.5  | 0.00  | 0.00   | 5949.2 | -451.0 | -165.0  | 0.00 | 0.00   | 209.2  | 209.2  |
| 7   | 7068.0  | 85.00 | 269.57 | 6662.6 | -455.9 | -818.8  | 8.00 | 269.57 | 860.2  | 860.2  |
| 8   | 7143.0  | 85.00 | 269.57 | 6669.2 | -456.5 | -893.5  | 8.00 | 0.00   | 934.6  | 934.6  |
| 9   | 7200.5  | 89.60 | 269.57 | 6671.9 | -456.9 | -950.9  | 8.00 | -0.02  | 991.8  | 991.8  |
| 10  | 11096.8 | 89.60 | 269.57 | 6699.0 | -486.2 | -4847.0 | 0.00 | 0.00   | 4871.3 | 4871.3 |

Wells Ranch USX AA23-62-1HN BHL 330'FSL, 535'FWL



**T G M**

Azimuths to Grid North  
True North: -0.71°  
Magnetic North: 7.70°

Magnetic Field  
Strength: 53064.3snT  
Dip Angle: 67.12°  
Date: 1/7/2013  
Model: IGRF200510

|   |              |             |
|---|--------------|-------------|
| WELL DETAILS: Wells Ranch USX AA23-62-1HN                         |              |             |
| North   | Ground Level | 4835.0      |
| 1414842.96  | Easting      | 3307653.82  |
| Latitude  | Longitude    | -104.394240 |
| 40.466880   |              |             |
| Plan: APD - Rev 0 (Wells Ranch USX AA23-62-1HN/Original Drilling) |              |             |
| Created By: Carrie Willers  |              |             |
| Date: 18-28, January 08 2013                                      |              |             |
| Checked: _____  |              |             |
| Reviewed: _____   |              |             |
| Approved: _____   |              |             |