

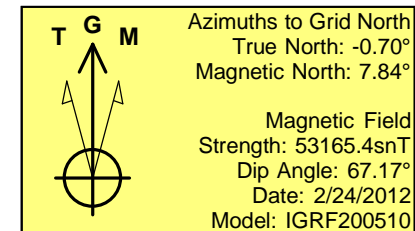
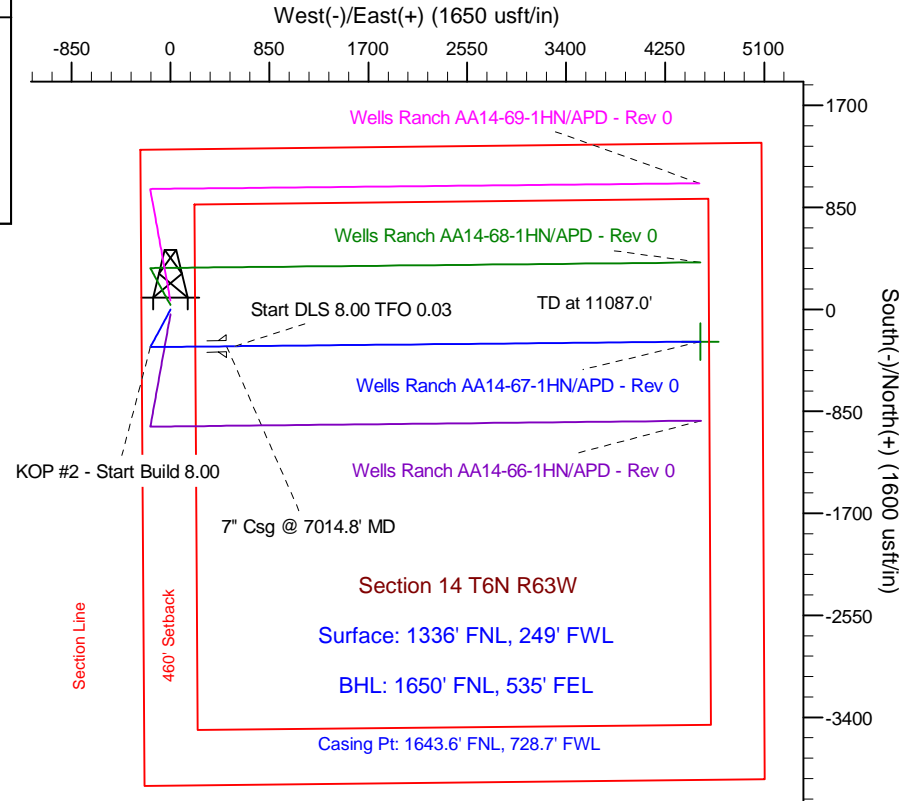
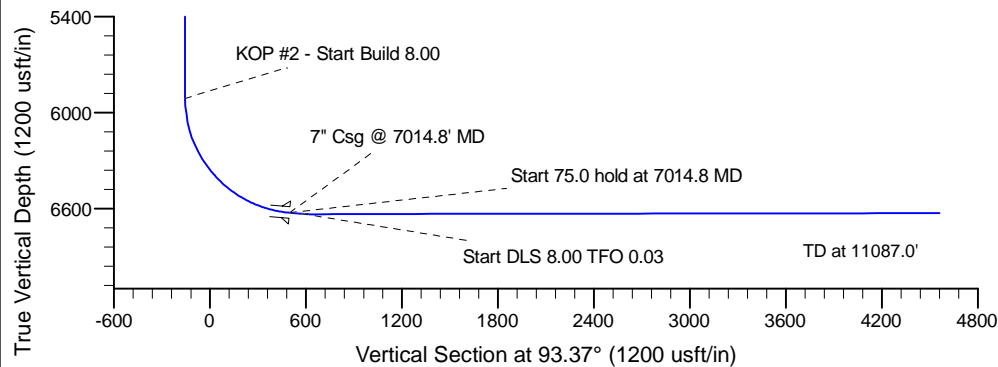
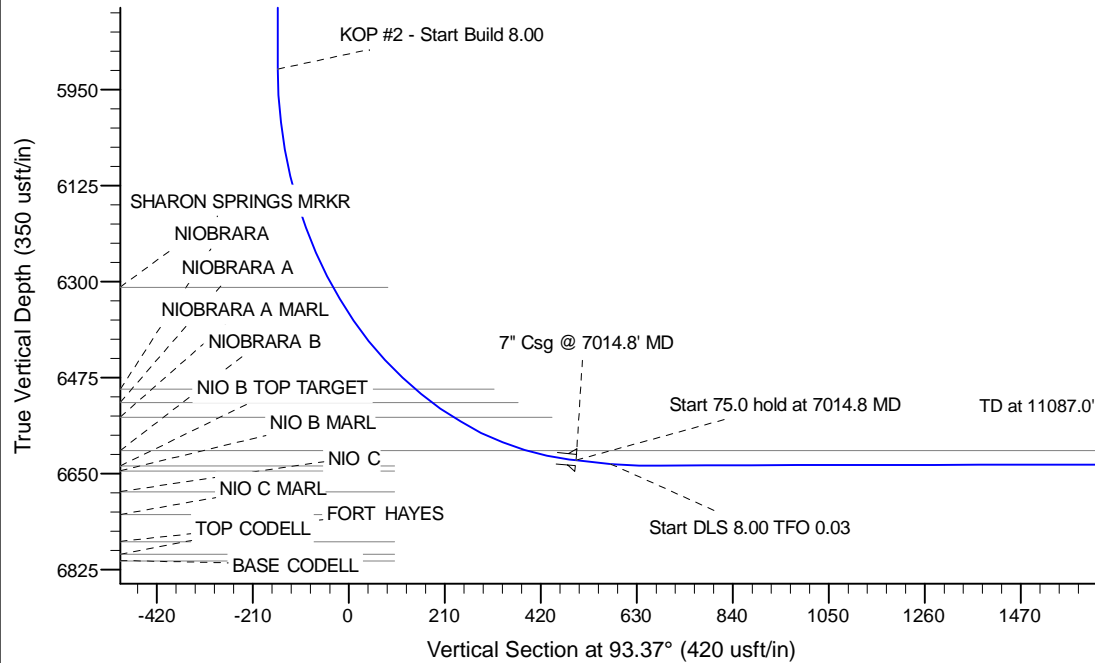
Project: Wattenberg Field
 Site: AA (Sec.14-T06N-R63W) Weld County, CO
 Well: Wells Ranch AA14-67-1HN
 Wellbore: Original Drilling
 Design: APD - Rev 0

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 | |
| 2 | 2000.0 | 0.00 | 0.00 | 2000.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 2594.9 | 14.87 | 208.99 | 2588.3 | -67.2 | -37.2 | 2.50 | 208.99 | -33.2 | |
| 4 | 3395.2 | 14.87 | 208.99 | 3361.7 | -246.8 | -136.8 | 0.00 | 0.00 | -122.0 | |
| 5 | 3990.1 | 0.00 | 0.00 | 3950.0 | -314.0 | -174.0 | 2.50 | 180.00 | -155.2 | |
| 6 | 5952.3 | 0.00 | 0.00 | 5912.2 | -314.0 | -174.0 | 0.00 | 0.00 | -155.2 | |
| 7 | 7014.8 | 85.00 | 89.44 | 6625.6 | -307.6 | 479.7 | 8.00 | 89.44 | 497.0 | |
| 8 | 7089.8 | 85.00 | 89.44 | 6632.2 | -306.9 | 554.5 | 0.00 | 0.00 | 571.5 | |
| 9 | 7153.6 | 90.10 | 89.44 | 6634.9 | -306.3 | 618.1 | 8.00 | 0.03 | 635.1 | |
| 10 | 11087.0 | 90.10 | 89.44 | 6628.0 | -268.0 | 4551.4 | 0.00 | 0.00 | 4559.3 | BHL Tgt 1650'FNL, 535'FEL |



WELL DETAILS: Wells Ranch AA14-67-1HN

Ground Level: 4780.0
 Northing 1423278.63 Easting 3302463.83 Latitude 40° 29' 24.756 N Longitude 104° 24' 45.072 W

Plan: APD - Rev 0 (Wells Ranch AA14-67-1HN/Original Drilling)

Created By: Carrie Willers

Date: 8:56, February 28 2012

OK to submit with 2A as per Noble Drilling
1/28/2012 10:22