

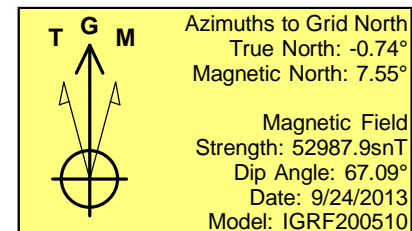
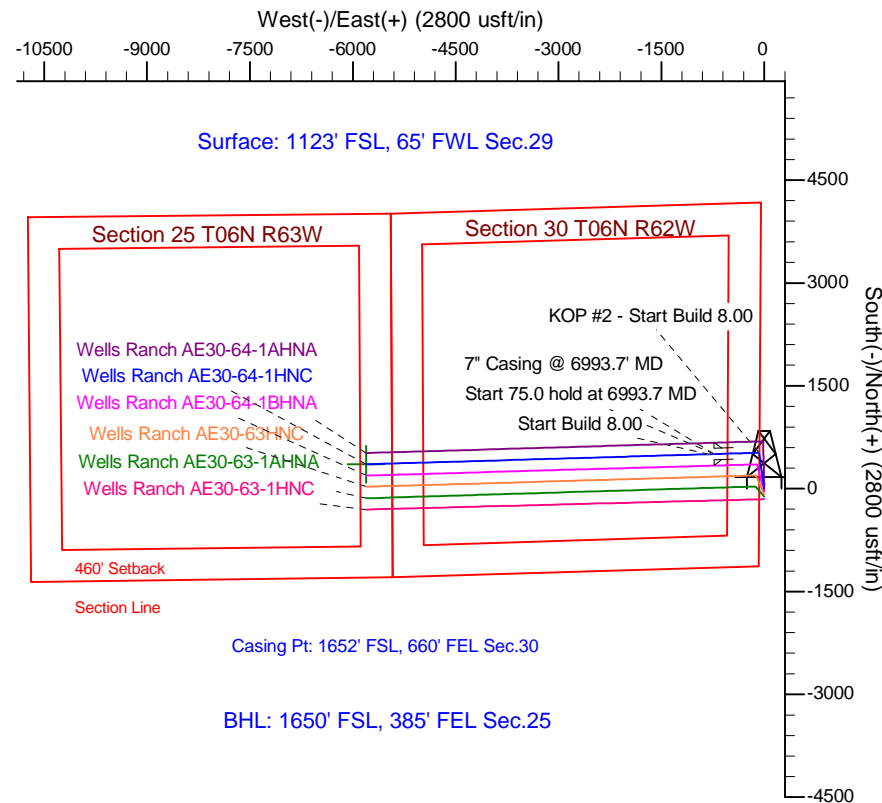
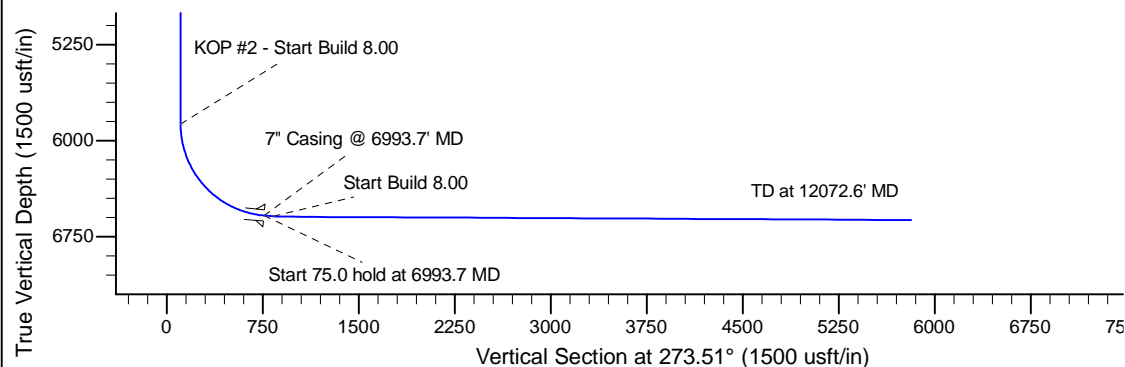
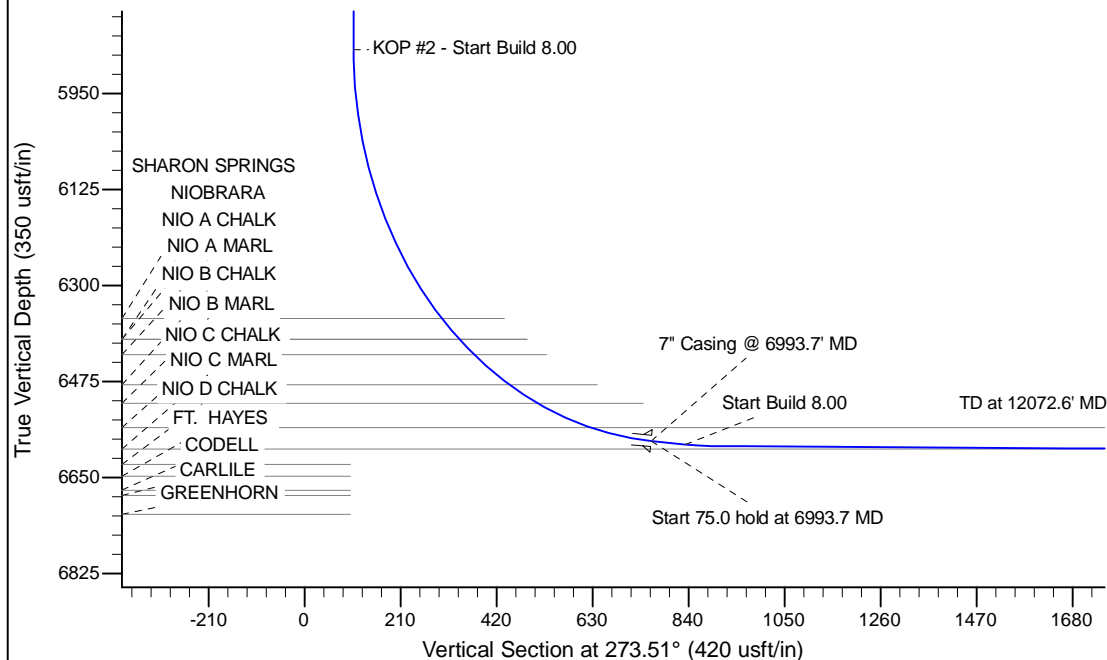
Project: Wattenberg Field
 Site: AE (Sec.29-T06N-R62W) Weld County, CO
 Well: Wells Ranch AE30-64-1HNC
 Wellbore: Original Drilling
 Design: APD - Rev 0

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 | 1200.0 | 0.00 | 0.00 | 1200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1952.0 | 15.04 | 351.87 | 1943.4 | 97.2 | -13.9 | 2.00 | 351.87 | 19.8 | |
| 4 | 3239.3 | 15.04 | 351.87 | 3186.6 | 427.8 | -61.1 | 0.00 | 0.00 | 87.2 | |
| 5 | 3991.3 | 0.00 | 0.00 | 3930.0 | 525.0 | -75.0 | 2.00 | 180.00 | 107.0 | |
| 6 | 5931.2 | 0.00 | 0.00 | 5869.9 | 525.0 | -75.0 | 0.00 | 0.00 | 107.0 | |
| 7 | 6993.7 | 85.00 | 268.31 | 6583.4 | 505.7 | -728.5 | 8.00 | 268.31 | 758.1 | |
| 8 | 7068.7 | 85.00 | 268.31 | 6589.9 | 503.5 | -803.2 | 0.00 | 0.00 | 832.5 | |
| 9 | 7127.4 | 89.70 | 268.31 | 6592.6 | 501.8 | -861.8 | 8.00 | 0.00 | 890.9 | |
| 10 | 12072.6 | 89.70 | 268.31 | 6618.5 | 355.7 | -5804.8 | 0.00 | 0.00 | 5815.6 | Wells Ranch AE30-64-1HNC BHL 1650'FNL, 385'FEL |



| WELL DETAILS: Wells Ranch AE30-64-1HNC | | | | | |
|--|-----|--------------------------------|------------|-----------|-------------|
| Ground Level: 4753.0 | | | | | |
| 0.0 | 0.0 | Northing | Easting | Latitude | Longitude |
| | | 1410103.19 | 3318294.36 | 40.453500 | -104.356220 |
| Plan: APD - Rev 0 (Wells Ranch AE30-64-1HNC/Original Drilling) | | | | | |
| Created By: Shailey Jewell | | Date: 14:39, September 24 2013 | | | |
| Checked: _____ | | Date: _____ | | | |
| Reviewed: _____ | | Date: _____ | | | |
| Approved: _____ | | Date: _____ | | | |