

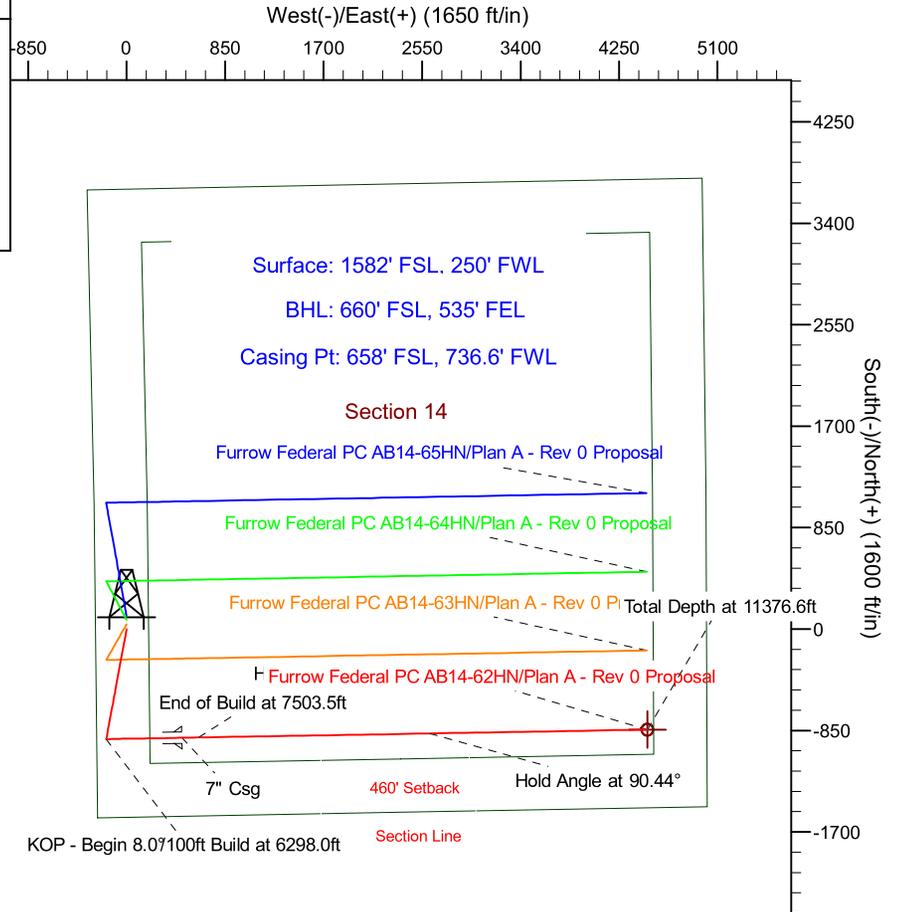
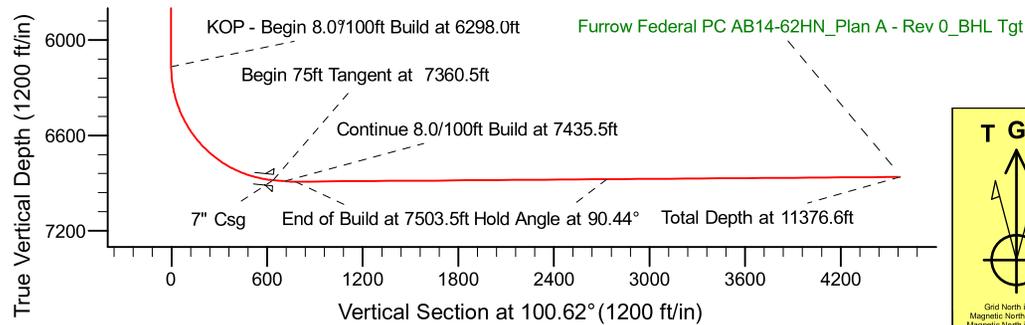
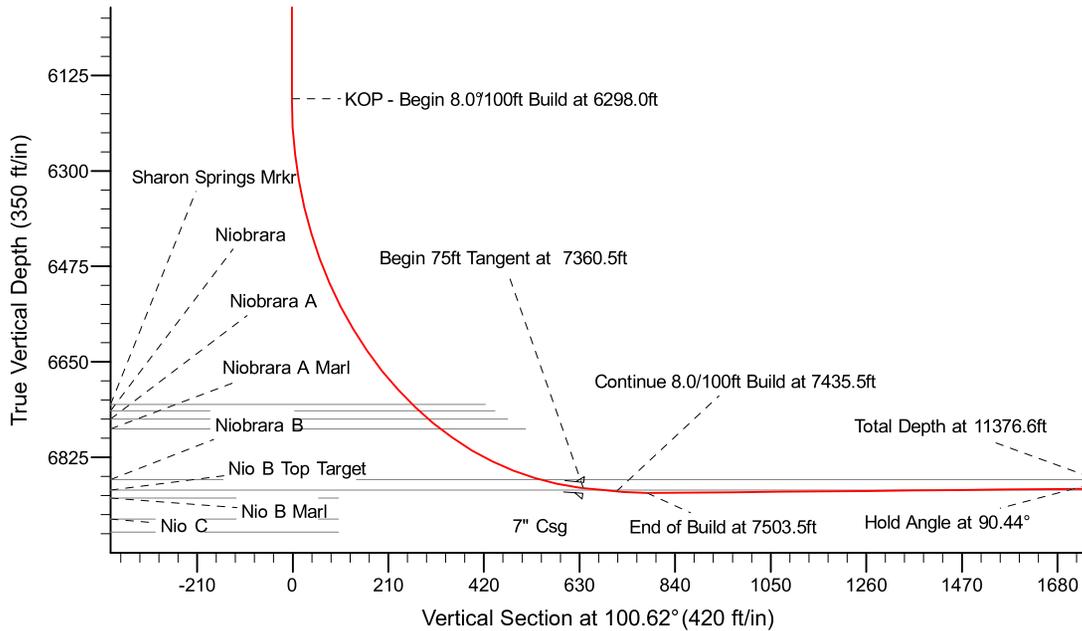
Project: Weld County Colorado (NAD 83)
 Site: Sec.14, T7N, R64W
 Well: Furrow Federal PC AB14-62HN
 Wellbore: Plan A - Rev 0 (PERMITTING PLAN ONLY)
 Design: Plan A - Rev 0 Proposal

Noble Energy

HALLIBURTON
 Sperry Drilling

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | V Sect | 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 | 1879.9 | 17.00 | 190.75 | 1870.0 | -98.4 | -18.7 | 2.50 | 190.75 | -0.2 | |
| 4 | 4405.3 | 17.00 | 190.75 | 4285.0 | -823.6 | -156.3 | 0.00 | 0.00 | -1.8 | |
| 5 | 5085.2 | 0.00 | 0.00 | 4955.0 | -922.0 | -175.0 | 2.50 | 180.00 | -2.0 | |
| 6 | 6298.0 | 0.00 | 0.00 | 6167.8 | -922.0 | -175.0 | 0.00 | 0.00 | -2.0 | |
| 7 | 7360.5 | 85.00 | 89.03 | 6881.3 | -910.9 | 478.7 | 8.00 | 89.03 | 638.4 | |
| 8 | 7435.5 | 85.00 | 89.03 | 6887.8 | -909.7 | 553.4 | 0.00 | 0.00 | 711.6 | |
| 9 | 7503.5 | 90.44 | 89.03 | 6890.5 | -908.5 | 621.3 | 8.00 | 0.00 | 778.1 | |
| 10 | 11376.6 | 90.44 | 89.03 | 6860.9 | -842.8 | 4493.7 | 0.00 | -128.95 | 4572.1 | Furrow Federal PC AB14-62H_Plan A - Rev 0_BHL Tgt- |



T G M

Magnetic Model: IGRF200510
 Date: 8/16/2011
 Inclination: 8.05°
 Dip Angle: 67.23°
 Field Strength: 53250.4

Grid North is 0.63° East of True North (Grid Convergence)
 Magnetic North is 8.68° East of True North (Magnetic Declination)
 Magnetic North is 8.05° East of Grid North (Magnetic Convergence)
 To convert a True Direction to a Grid Direction, Subtract 0.63°
 To convert a Magnetic Direction to a True Direction, Add 8.68° East
 To convert a Magnetic Direction to a Grid Direction, Add 8.05°

| | | | |
|---|-----------|----------------------------|------------------|
| WELL DETAILS: Furrow Federal PC AB14-62HN(NAD83 Geodetic System) | | | |
| Ground Level: 4807.0 | | Longitude | |
| Northing | Easting | Latitude | Longitude |
| 442602.38 | 996948.21 | 40°34' 13.224 N | 104°31' 30.504 W |
| Plan: Plan A - Rev 0 Proposal (Furrow Federal PC AB14-62HN/Plan A - Rev 0 (PERMITTING PLAN ONLY)) | | | |
| Created By: Erasmo Mendoza | | Date: 8:29, August 16 2011 | |
| OK to submit with 2A as per Noble Drilling | | | |
| 8/16/2011 15:28 | | | |