

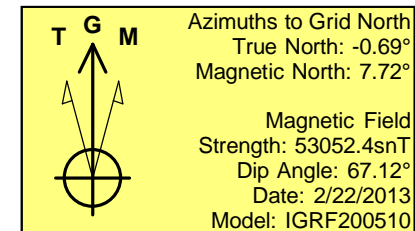
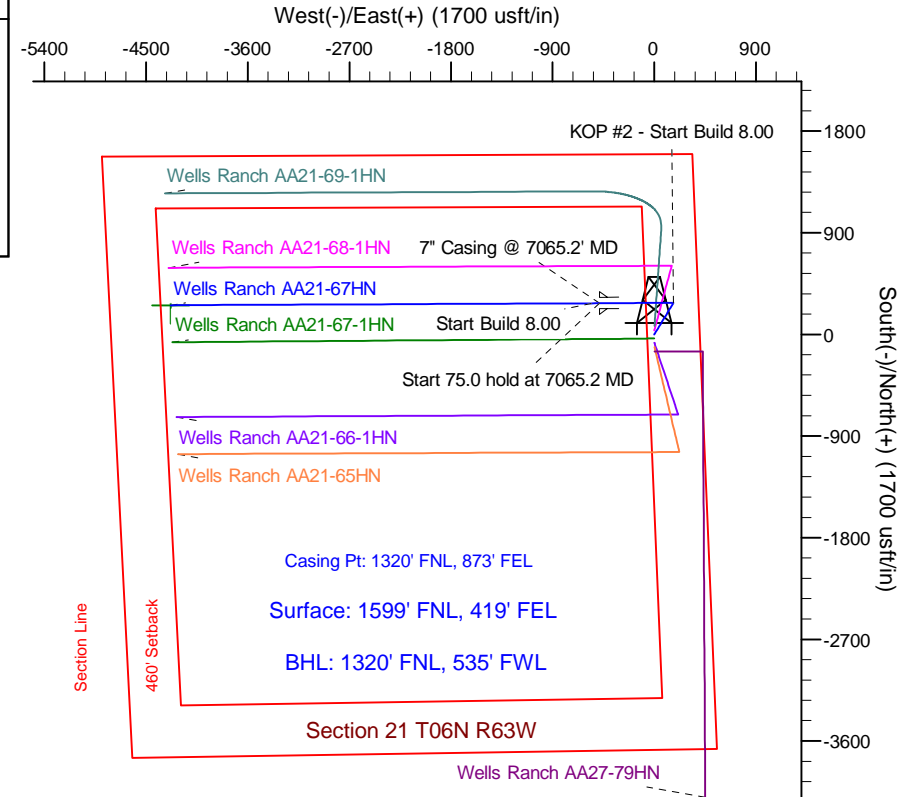
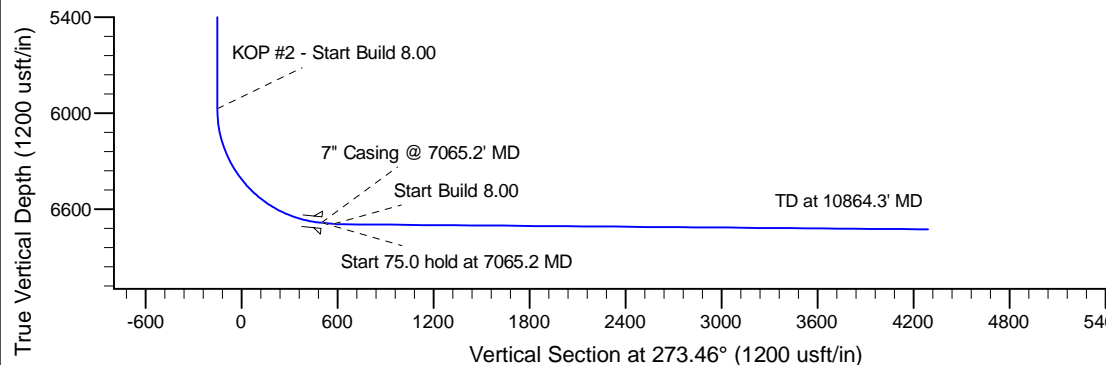
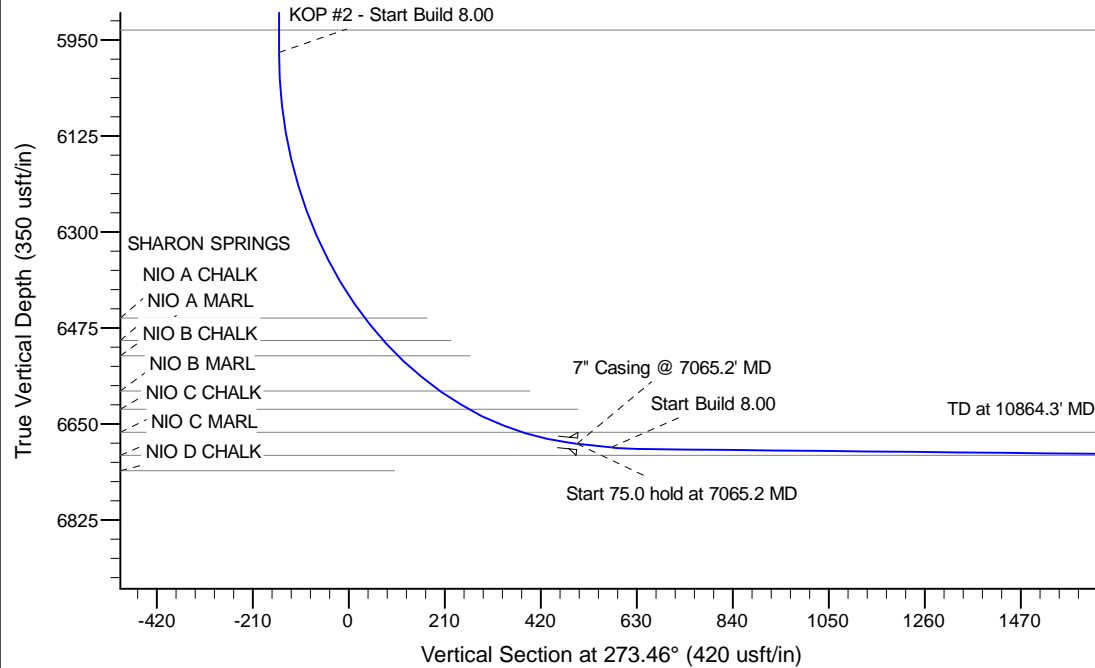
Project: Wattenberg Field
 Site: AA (Sec.21-T06N-R63W) Weld County, CO
 Well: Wells Ranch AA21-67HN
 Wellbore: Original Drilling
 Design: APD - Rev 0

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 | VSect | Target |
|-----|---------|-------|--------|--------|-------|---------|------|--------|--------|---|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 1800.0 | 0.00 | 0.00 | 1800.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 2402.6 | 12.05 | 31.35 | 2398.2 | 53.9 | 32.9 | 2.00 | 31.35 | -29.5 | |
| 4 | 3362.4 | 12.05 | 31.35 | 3336.8 | 225.1 | 137.1 | 0.00 | 0.00 | -123.3 | |
| 5 | 3965.0 | 0.00 | 0.00 | 3935.0 | 279.0 | 170.0 | 2.00 | 180.00 | -152.9 | |
| 6 | 6002.7 | 0.00 | 0.00 | 5972.7 | 279.0 | 170.0 | 0.00 | 0.00 | -152.9 | |
| 7 | 7065.2 | 85.00 | 269.74 | 6686.2 | 276.0 | -483.8 | 8.00 | 269.74 | 499.5 | |
| 8 | 7140.2 | 85.00 | 269.74 | 6692.7 | 275.7 | -558.5 | 0.00 | 0.00 | 574.1 | |
| 9 | 7196.5 | 89.50 | 269.74 | 6695.4 | 275.4 | -614.7 | 8.00 | 0.00 | 630.1 | |
| 10 | 10864.3 | 89.50 | 269.74 | 6727.4 | 258.6 | -4282.3 | 0.00 | 0.00 | 4290.1 | Wells Ranch AA21-67HN BHL 1320'FNL, 535'FWL |



WELL DETAILS: Wells Ranch AA21-67HN

| Ground Level: 4725.0 | | | |
|----------------------|---------|------------|-------------|
| Northing | Easting | Latitude | Longitude |
| 0.0 | 0.0 | 1417647.14 | 3296551.10 |
| | | 40.474950 | -104.434020 |

Plan: APD - Rev 0 (Wells Ranch AA21-67HN/Original Drilling)

Created By: Shailey Jewell Date: 13:43, March 13 2013

OK to submit with 2A as per Noble Drilling
3/14/13 10:56