

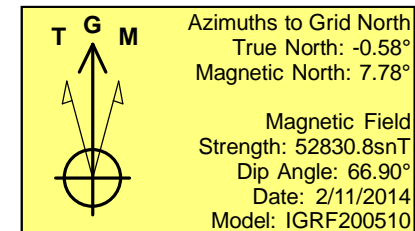
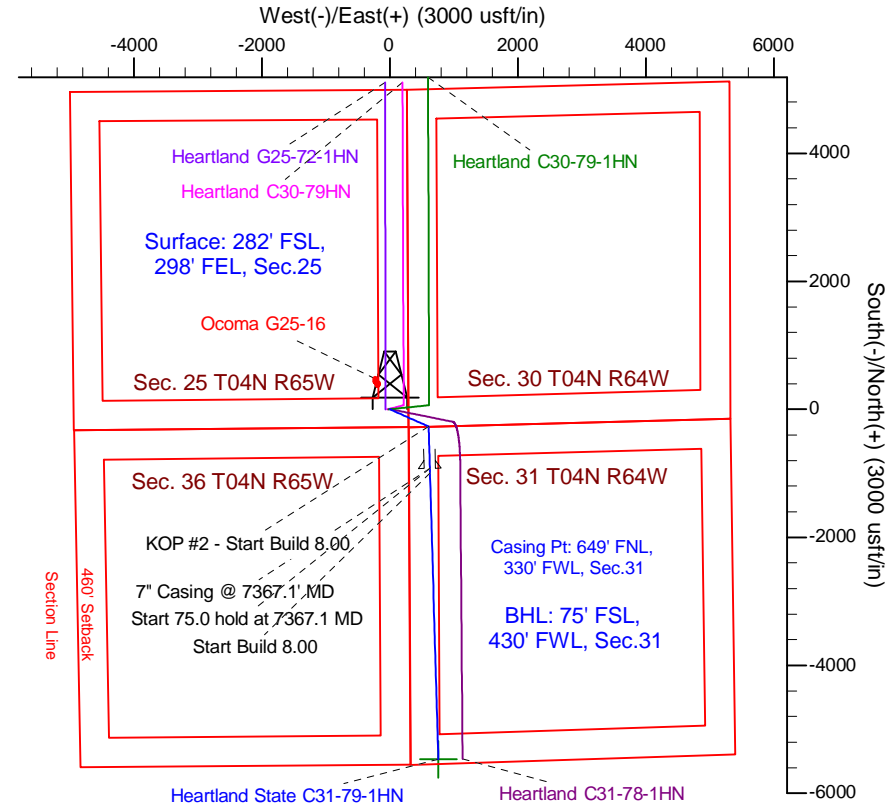
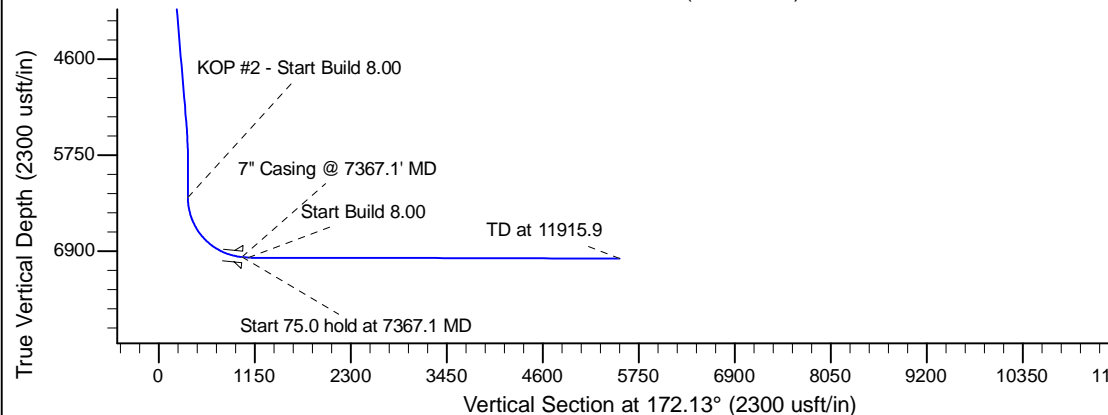
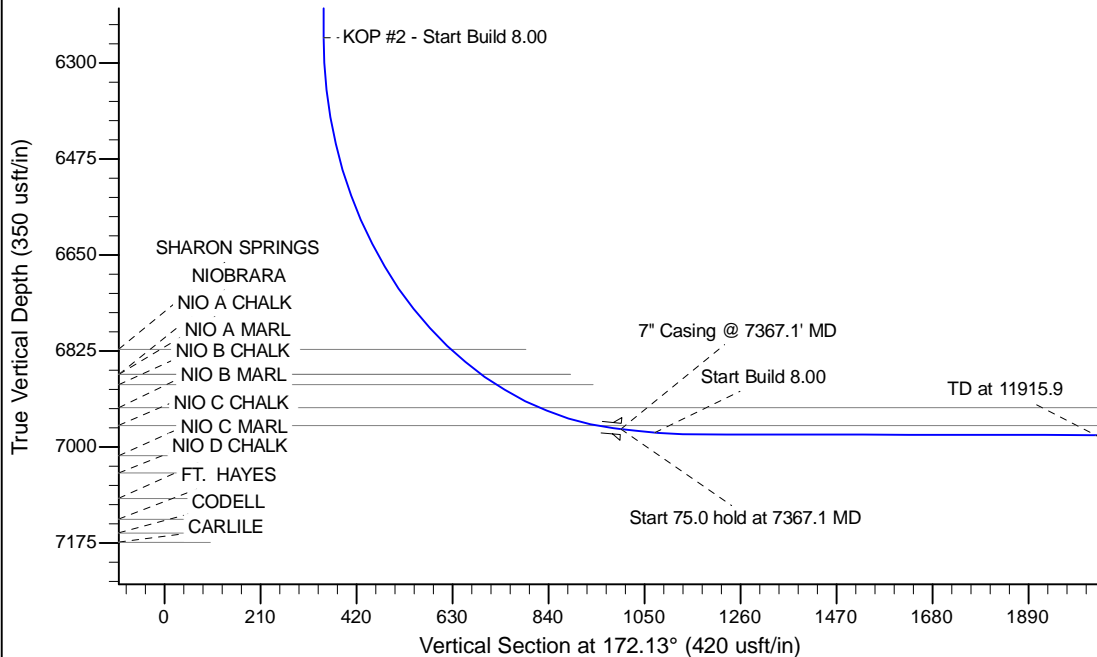
Project: Wattenberg Field
 Site: G (Sec.25-T04N-R65W) Weld County, CO
 Well: Heartland State C31-79-1HN
 Wellbore: Wellbore #1
 Design: APD - Rev 0

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 | 1651.6 | 9.03 | 113.89 | 1649.8 | -14.4 | 32.5 | 2.00 | 113.89 | 18.7 | |
| 4 | 5413.8 | 9.03 | 113.89 | 5365.2 | -253.6 | 572.5 | 0.00 | 0.00 | 329.6 | |
| 5 | 5865.4 | 0.00 | 0.00 | 5815.0 | -268.0 | 605.0 | 2.00 | 180.00 | 348.3 | |
| 6 | 6304.6 | 0.00 | 0.00 | 6254.2 | -268.0 | 605.0 | 0.00 | 0.00 | 348.3 | |
| 7 | 7367.1 | 85.00 | 178.34 | 6967.6 | -921.5 | 624.0 | 8.00 | 178.34 | 998.3 | |
| 8 | 7442.1 | 85.00 | 178.34 | 6974.2 | -996.2 | 626.1 | 0.00 | 0.00 | 1072.5 | |
| 9 | 7503.3 | 89.90 | 178.34 | 6976.9 | -1057.3 | 627.9 | 8.00 | 0.00 | 1133.3 | |
| 10 | 11915.9 | 89.90 | 178.34 | 6984.6 | -5468.1 | 755.8 | 0.00 | 0.00 | 5520.1 | Heartland State C31-79-1HN BHL 75'FSL, 430'FWL |



WELL DETAILS: Heartland State C31-79-1HN

| Ground Level: 4845.0 | | | | | |
|----------------------|------------|-----------|-------------|----------|-----------|
| 0.0 | 0.0 | North | East | Latitude | Longitude |
| 1344918.79 | 3250162.18 | 40.276730 | -104.603400 | | |

Plan: APD - Rev 0 (Heartland State C31-79-1HN/Wellbore #1)

Created By: Shailey Jewell Date: 10:10, February 12 2014

OK to submit with 2A as per Noble Drilling
 2/12/2014 10:45