

Project: Wattenberg Field
Site: AE (Sec.6-T6N-R62W) Weld County, CO
Well: Wells Ranch AE08-69HN
Wellbore: Original Drilling
Design: APD - Rev 0

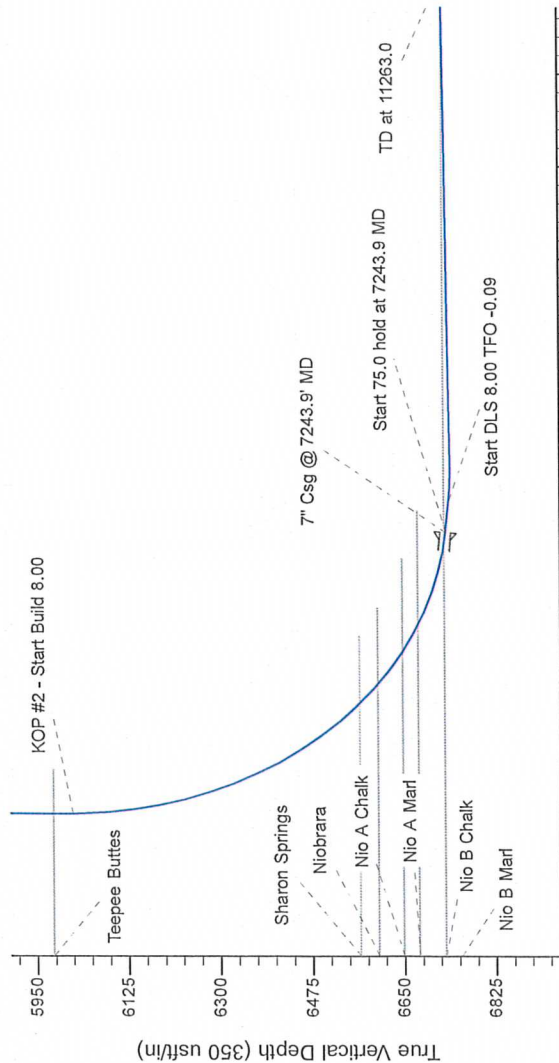
Northern Region Drilling

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level

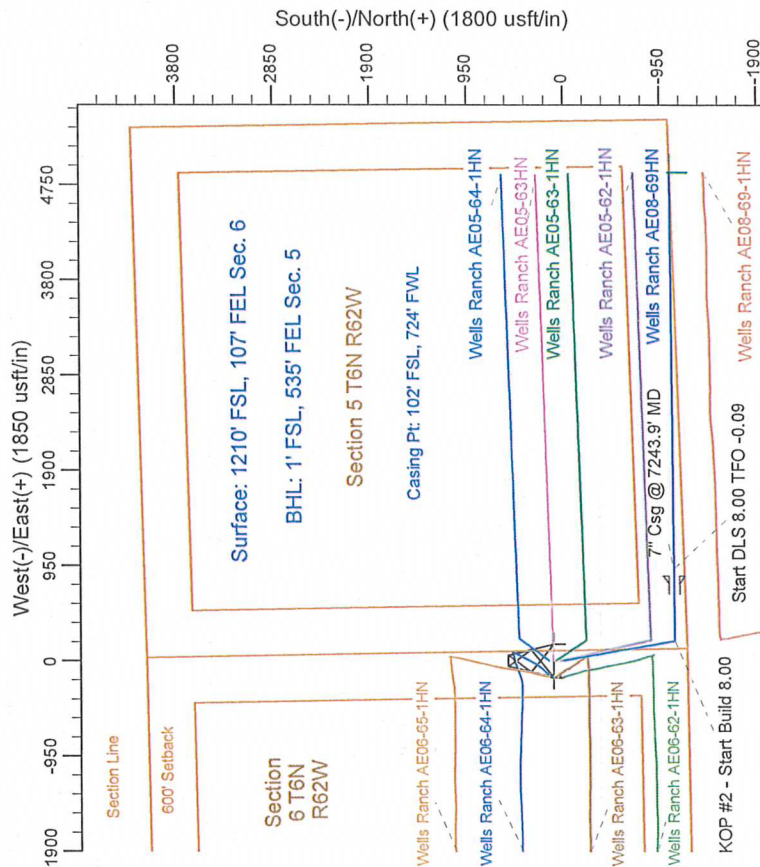
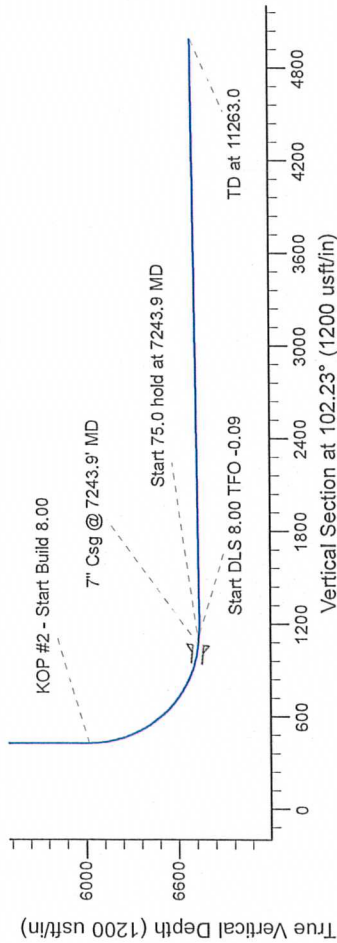
SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/S | +E/W | Dleg | TFace | VSeet | 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 | 169.72 | 1200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1200.0 | 0.00 | 169.72 | 1200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 4 | 4762.3 | 18.02 | 169.72 | 4611.1 | -110.6 | 20.1 | 2.50 | 169.72 | 43.0 | |
| 5 | 5483.0 | 0.00 | 0.00 | 5320.0 | -975.4 | 176.9 | 0.00 | 0.00 | 379.5 | |
| 6 | 6181.4 | 0.00 | 0.00 | 6018.4 | -1086.0 | 197.0 | 2.50 | 180.00 | 422.6 | |
| 7 | 7243.9 | 85.00 | 89.63 | 6731.9 | -1081.8 | 850.8 | 8.00 | 89.63 | 1060.6 | |
| 8 | 7318.9 | 85.00 | 89.63 | 6738.4 | -1081.3 | 925.5 | 0.00 | 0.00 | 1133.5 | |
| 9 | 7398.9 | 90.60 | 89.62 | 6741.1 | -1080.8 | 995.3 | 8.00 | -0.09 | 1201.7 | |
| 10 | 11263.0 | 90.60 | 89.62 | 6700.8 | -1055.3 | 4869.2 | 0.00 | 0.00 | 4982.2 | |

Wells Ranch AE08-69HN BHL 1'FSL 535'FEL



Vertical Section at 102.23° (420 usft/in)



T G M

Azimuths to Grid North
True North: -0.74°
Magnetic North: 7.67°

Magnetic Field
Strength: 53101.6snT
Dip Angle: 67.17°
Date: 11/29/2012
Model: JGRF200510

| WELL DETAILS: Wells Ranch AE08-69HN | | |
|---|-------------------------------|-------------|
| Northing | Ground Level | Longitude |
| 1431318.01 | 4945.0 | -104.356350 |
| Easting | Latitude | |
| 3317984.55 | 40.511740 | |
| Plan: APD - Rev 0 (Wells Ranch AE08-69HN/Original Drilling) | | |
| Created By: Carrie Willers | Date: 12/23, December 04 2012 | |
| Checked: _____ | Date: _____ | |
| Reviewed: _____ | Date: _____ | |
| Approved: _____ | Date: _____ | |