



WELL DETAILS: Rinn Valley East N17-20-13C

Ground Elevation:: 4938.20  
RKB Elevation: KB=25 @ 4963.20ft (Patterson #346)  
Rig Name: Patterson #346

Northing 1291283.03      Easting 3129019.27      Latitude 40.13204      Longitude -105.03857

Extraction Oil & Gas  
Project: Weld County, CO (NAD83)  
Site: Rinn Valley East Pad (Sec.18-T2N-R68W)  
Well: Rinn Valley East N17-20-13C  
Wellbore: Wellbore #1  
Plan: Plan #4 (Rinn Valley East N17-20-13C/Wellbore #1)  
Patterson #346

Planned Section Details

| Sec | MD       | Inc   | Azi    | TVD     | +N/-S   | +E/-W   | Dleg  | TFace   | VSect    |
|-----|----------|-------|--------|---------|---------|---------|-------|---------|----------|
| 1   | 1575.00  | 20.06 | 102.28 | 1551.97 | -34.40  | 192.75  | 0.00  | 0.00    | 3.85     |
| 2   | 1656.00  | 20.06 | 102.28 | 1628.06 | -40.31  | 219.90  | 0.00  | 0.00    | 3.35     |
| 3   | 1806.10  | 22.72 | 98.46  | 1767.81 | -50.05  | 273.74  | 2.00  | -29.44  | 4.30     |
| 4   | 5675.57  | 22.72 | 98.46  | 5337.01 | -269.90 | 1752.00 | 0.00  | 0.00    | 77.03    |
| 5   | 6811.59  | 0.00  | 0.00   | 6443.49 | -302.60 | 1971.89 | 2.00  | -180.00 | 87.85    |
| 6   | 7326.14  | 0.00  | 0.00   | 6958.04 | -302.60 | 1971.89 | 0.00  | 0.00    | 87.85    |
| 7   | 8226.14  | 90.00 | 0.04   | 7531.00 | 270.36  | 1972.26 | 10.00 | 0.04    | 649.87   |
| 8   | 8326.14  | 90.00 | 0.04   | 7531.00 | 370.36  | 1972.33 | 0.00  | 0.00    | 747.96   |
| 9   | 8564.53  | 91.81 | 355.53 | 7527.24 | 608.47  | 1963.11 | 2.04  | -68.15  | 979.71   |
| 10  | 8577.88  | 91.81 | 355.53 | 7526.82 | 621.77  | 1962.07 | 0.00  | 0.00    | 992.55   |
| 11  | 8877.88  | 91.81 | 355.53 | 7517.37 | 920.71  | 1938.69 | 0.00  | 0.00    | 1281.18  |
| 12  | 9124.04  | 90.67 | 0.32   | 7512.05 | 1166.57 | 1929.78 | 2.00  | 103.33  | 1520.58  |
| 13  | 17906.80 | 90.67 | 0.32   | 7410.00 | 9948.60 | 1978.58 | 0.00  | 0.00    | 10143.45 |

