

**Schlumberger Survey Report**

Burlington Resources Oil & Gas Co.  
West Corbin Federal #13  
Lea County, New Mexico

**Magnetic Declination: 9.14 DEG**

**Tie In Point (TIP):**

|                             |         |     |
|-----------------------------|---------|-----|
| Measured Depth              | 10950   | FT. |
| True Vertical Depth         | 10944   | FT. |
| Inclination                 | .57     | DEG |
| Azimuth                     | 60.34   | DEG |
| N/S Displacement(-ve for S) | 132.43  | FT. |
| E/W Displacement(-ve for W) | -136.53 | FT. |

**Azim. From Rotary Table To Target      280      DEG**

**Accepted Survey Listing:**

| M.Depth<br>(ft) | Int.<br>(ft) | TVD<br>(ft) | TargetS<br>(ft) | Incl.<br>(deg) | Azim<br>(deg) | N.Disp<br>(ft) | E.Disp<br>(ft) | T.Disp<br>(ft) | Clr.Ang<br>(deg) | DLS<br>(D/HF) |
|-----------------|--------------|-------------|-----------------|----------------|---------------|----------------|----------------|----------------|------------------|---------------|
| 11015           | 65           | 11008.92    | 159.79          | 5              | 304.1         | 134.18         | -138.6         | 192.91         | 314.07           | 8.12          |
| 11039           | 24           | 11032.77    | 160.14          | 8.02           | 304.09        | 137.34         | -138.39        | 194.97         | 314.78           | 23.64         |
| 11071           | 32           | 11064.17    | 165.95          | 13.94          | 291.85        | 140.03         | -143.82        | 200.73         | 314.23           | 19.78         |
| 11097           | 26           | 11089.11    | 173.12          | 18.75          | 290.81        | 142.68         | -150.64        | 207.48         | 313.45           | 18.53         |
| 11128           | 31           | 11117.5     | 185.31          | 28.29          | 288.7         | 146.81         | -162.28        | 218.84         | 312.14           | 30.89         |
| 11159           | 31           | 11143.32    | 202.26          | 38.7           | 285.47        | 151.76         | -178.62        | 234.39         | 310.35           | 34.06         |
| 11190           | 31           | 11165       | 224.22          | 52.3           | 285.47        | 157.64         | -199.88        | 254.57         | 308.26           | 43.87         |
| 11222           | 32           | 11181.45    | 251.39          | 65.67          | 287.89        | 165.53         | -226.08        | 280.2          | 306.21           | 42.28         |
| 11255           | 33           | 11191.86    | 282.46          | 77.48          | 284.57        | 174.23         | -256.09        | 309.74         | 304.23           | 37.03         |
| 11289           | 34           | 11196.88    | 315.99          | 85.53          | 282.53        | 182.1          | -288.75        | 341.38         | 302.24           | 24.41         |
| 11320           | 31           | 11199.07    | 346.87          | 86.35          | 282.86        | 188.9          | -318.92        | 370.66         | 300.64           | 2.85          |
| 11352           | 32           | 11201.09    | 378.78          | 86.4           | 281.95        | 195.76         | -350.11        | 401.12         | 299.21           | 2.84          |
| 11384           | 32           | 11202.81    | 410.71          | 87.42          | 282.99        | 202.66         | -381.31        | 431.82         | 297.99           | 4.55          |
| 11416           | 32           | 11203.75    | 442.64          | 89.23          | 283.41        | 209.96         | -412.45        | 462.82         | 296.98           | 5.81          |
| 11447           | 31           | 11203.66    | 473.6           | 91.1           | 282.65        | 216.95         | -442.65        | 492.96         | 296.11           | 6.51          |
| 11479           | 32           | 11202.82    | 505.56          | 91.9           | 281.95        | 223.76         | -473.9         | 524.08         | 295.28           | 3.32          |
| 11511           | 32           | 11201.96    | 537.53          | 91.2           | 281.95        | 230.38         | -505.19        | 555.25         | 294.51           | 2.19          |
| 11542           | 31           | 11201.47    | 568.5           | 90.6           | 281.25        | 236.61         | -535.55        | 585.49         | 293.84           | 2.97          |
| 11574           | 32           | 11201.19    | 600.49          | 90.4           | 281.95        | 243.04         | -566.9         | 616.8          | 293.21           | 2.27          |
| 11605           | 31           | 11201.16    | 631.47          | 89.71          | 281.96        | 249.46         | -597.23        | 647.23         | 292.67           | 2.23          |
| 11637           | 32           | 11201.38    | 663.46          | 89.5           | 281.25        | 255.9          | -628.57        | 678.67         | 292.15           | 2.31          |
| 11669           | 32           | 11201.71    | 695.45          | 89.3           | 281.25        | 262.14         | -659.95        | 710.11         | 291.66           | 0.62          |
| 11701           | 32           | 11202.25    | 727.43          | 88.77          | 281.62        | 268.48         | -691.31        | 741.62         | 291.22           | 2.02          |
| 11732           | 31           | 11203.07    | 758.4           | 88.2           | 282.06        | 274.84         | -721.64        | 772.2          | 290.85           | 2.32          |
| 11764           | 32           | 11204.08    | 790.37          | 88.2           | 281.25        | 281.3          | -752.96        | 803.79         | 290.49           | 2.53          |
| 11796           | 32           | 11204.95    | 822.34          | 88.7           | 281.95        | 287.73         | -784.29        | 835.41         | 290.15           | 2.69          |
| 11829           | 33           | 11205.83    | 855.3           | 88.25          | 282.74        | 294.78         | -816.52        | 868.1          | 289.85           | 2.75          |
| 11861           | 27           | 11206.41    | 887.26          | 89.83          | 282.6         | 301.77         | -847.74        | 899.85         | 289.59           | 5.87          |
| 11893           | 32           | 11206.43    | 919.23          | 90.1           | 282.65        | 308.76         | -878.97        | 931.62         | 289.36           | 0.86          |
| 11925           | 32           | 11206.51    | 951.2           | 89.6           | 282.65        | 315.77         | -910.19        | 963.41         | 289.13           | 1.56          |
| 11956           | 31           | 11206.76    | 982.16          | 89.48          | 282.67        | 322.56         | -940.44        | 994.22         | 288.93           | 0.39          |
| 11988           | 32           | 11207.02    | 1014.13         | 89.6           | 282.65        | 329.57         | -971.66        | 1026.03        | 288.74           | 0.38          |