

# MULTIPOINT AND ONE POINT BACK PRESSURE TEST GAS WELL

|                                                                                                                           |                         |                      |                                      |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|--------------------------------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |                         | Test Date<br>5-2-74  |                                      |
| Company<br>CONTINENTAL OIL CO                                                                                             |                         | Connection<br>NONE   |                                      |
| Pool<br>MORROW                                                                                                            |                         | Unit                 |                                      |
| Completion Date                                                                                                           | Total Depth             | Plug Back TD         | Elevation                            |
| Csg. Size<br>7 7/8                                                                                                        |                         | Set At<br>13147      | Perforations:<br>From 13854 To 13923 |
| Tbg. Size<br>2 7/8                                                                                                        |                         | Set At               | Perforations:<br>From To             |
| Type Well - Single - Bradenhead - G.C. or G.O. Multiple                                                                   |                         | Packer Set At        | County<br>LEA                        |
| Producing Thru<br>Tbg                                                                                                     | Reservoir Temp. °F<br>8 | Mean Annual Temp. °F | State<br>NEW MEXICO                  |
| 11,795                                                                                                                    | 11,795                  | 0.572                | 4"                                   |
| FLOW DATA                                                                                                                 |                         | TUBING DATA          |                                      |
| NO.                                                                                                                       | Prover Line Size        | X                    | Orifice Size                         |
| SI                                                                                                                        |                         |                      |                                      |
| 1.                                                                                                                        | 4"                      |                      |                                      |
| 2.                                                                                                                        | 4"                      |                      |                                      |
| 3.                                                                                                                        | 4"                      |                      |                                      |
| 4.                                                                                                                        | 4"                      |                      |                                      |
| 5.                                                                                                                        |                         |                      |                                      |
| RATE OF FLOW CALCULATIONS                                                                                                 |                         |                      |                                      |
| NO.                                                                                                                       | Coefficient (24 Hour)   | $\sqrt{h_w P_m}$     | Pressure $P_m$                       |
| 1.                                                                                                                        | 25.99                   | 54.15                | 578.2                                |
| 2.                                                                                                                        | "                       | 120.2                | 578.2                                |
| 3.                                                                                                                        | "                       | 156.2                | 578.2                                |
| 4.                                                                                                                        | "                       | 190.2                | 578.2                                |
| 5.                                                                                                                        |                         |                      |                                      |
| NO.                                                                                                                       | $P_t$                   | Temp. °R             | $T_f$                                |
| 1.                                                                                                                        | .853                    | 532                  | 1.54                                 |
| 2.                                                                                                                        | .853                    | 534                  | 1.54                                 |
| 3.                                                                                                                        | .860                    | 536                  | 1.55                                 |
| 4.                                                                                                                        | .865                    | 538                  | 1.55                                 |
| 5.                                                                                                                        |                         |                      |                                      |
| Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.                                                                                   |                         |                      |                                      |
| A.P.I. Gravity of Liquid Hydrocarbons Deg.                                                                                |                         |                      |                                      |
| Specific Gravity Separator Gas 0.572                                                                                      |                         |                      |                                      |
| Specific Gravity Flowing Fluid XXXXX                                                                                      |                         |                      |                                      |
| Critical Pressure 672 P.S.I.A.                                                                                            |                         |                      |                                      |
| Critical Temperature 346 R                                                                                                |                         |                      |                                      |
| $(1) \frac{P_c^2}{P_c^2 - P_w^2} = 24.926$ $(2) \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 20.040$                    |                         |                      |                                      |
| $AOF = Q \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 82.0$                                                             |                         |                      |                                      |
| Absolute Open Flow 82.0 MMCFD                                                                                             |                         |                      |                                      |
| Remarks:                                                                                                                  |                         |                      |                                      |
| Approved By Commission:                                                                                                   |                         | Conducted By:        | Calculated By:                       |
| Checked By:                                                                                                               |                         |                      |                                      |

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JUN 14 1964

U.S. CONSERVATION COMM.  
ROCKY, N. M.