

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 12-1-55

|                                                                                                                          |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------|---------------------------|---------------------|----------------------------|--|
| Pool<br><b>Undesignated P.C.</b>                                                                                         |                                       |                              |                       | Formation<br><b>Pictured Cliffs</b>    |                                                                     |                                                                       |                                                           | County<br><b>San Juan</b> |                     |                            |  |
| Initial<br><b>I</b>                                                                                                      |                                       | Annual                       |                       | Special                                |                                                                     | Date of Test<br><b>5-9-66</b>                                         |                                                           |                           |                     |                            |  |
| Company<br><b>Tenneco Oil Co.</b>                                                                                        |                                       |                              |                       | Lease<br><b>Flarance</b>               |                                                                     |                                                                       |                                                           | Well No.<br><b>74</b>     |                     |                            |  |
| Unit<br><b>N</b>                                                                                                         | Sec.<br><b>27</b>                     | Twp.<br><b>29</b>            | Range<br><b>9</b>     |                                        | Purchaser                                                           |                                                                       |                                                           |                           |                     |                            |  |
| Casing<br><b>3.5</b>                                                                                                     | Wt.<br><b>7.7</b>                     | I.D.                         | Set at<br><b>2269</b> |                                        | Perf.<br><b>2130</b>                                                |                                                                       | To<br><b>2148</b>                                         |                           |                     |                            |  |
| Tubing                                                                                                                   | Wt.                                   | I.D.                         | Set at                |                                        | Perf.                                                               |                                                                       | To                                                        |                           |                     |                            |  |
| Gas Pay:                                                                                                                 | From                                  | To                           | L                     | G                                      | GL                                                                  | Bar. Press.                                                           |                                                           |                           |                     |                            |  |
|                                                                                                                          |                                       |                              |                       | <b>.650</b>                            | <b>1385</b>                                                         | <b>12.0</b>                                                           |                                                           |                           |                     |                            |  |
| Producing Through:                                                                                                       |                                       | Casing<br><b>I</b>           | Tubing                |                                        |                                                                     | Type Well - Single - Braden head - G.G. or G.O. Dual<br><b>Single</b> |                                                           |                           |                     |                            |  |
| Date of Completion                                                                                                       |                                       | Packer                       |                       |                                        | Reservoir Temp.<br><b>98</b>                                        |                                                                       |                                                           |                           |                     |                            |  |
| OBSERVED DATA                                                                                                            |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| Tested Through: Prover <input type="checkbox"/> Choke <input checked="" type="checkbox"/> Meter <input type="checkbox"/> |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           | Type of Taps              |                     |                            |  |
| FLOW DATA                                                                                                                |                                       |                              |                       |                                        |                                                                     | TUBING DATA                                                           |                                                           | CASING DATA               |                     | DURATION<br>OF FLOW<br>HR. |  |
| No.                                                                                                                      | (Prover)<br>(Line)<br>Size            | (Choke)<br>(Orifice)<br>Size | Press.<br>psig.       | Diff.<br>h <sub>w</sub>                | Temp.<br>°F.                                                        | Press.<br>psig.                                                       | Temp.<br>°F.                                              | Press.<br>psig.           | Temp.<br>°F.        |                            |  |
| 1.                                                                                                                       |                                       | <b>3/4</b>                   |                       |                                        |                                                                     |                                                                       |                                                           | <b>886</b>                |                     | <b>3 Hr.</b>               |  |
| 2.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           | <b>69</b>                 | <b>60</b>           |                            |  |
| 3.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| 4.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| 5.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| FLOW CALCULATIONS                                                                                                        |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| No.                                                                                                                      | Coefficient<br>(24 Hour)              | $\sqrt{h_w p_f}$             | Pressure<br>psia      | Flow Temp.<br>Factor<br>F <sub>t</sub> | Gravity<br>Factor<br>F <sub>g</sub>                                 | Compress.<br>Factor<br>F <sub>pv</sub>                                | Rate of Flow Q-MCF P D<br>@ 15.025 psia                   |                           |                     |                            |  |
| 1.                                                                                                                       | <b>12 .3650</b>                       |                              | <b>81</b>             | <b>1.0000</b>                          | <b>.9608</b>                                                        | <b>---</b>                                                            | <b>964</b>                                                |                           |                     |                            |  |
| 2.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| 3.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| 4.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| 5.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| PRESSURE CALCULATIONS                                                                                                    |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| Gas Liquid Hydrocarbon Ratio _____ cf/bbl.                                                                               |                                       |                              |                       |                                        | Specific Gravity Separator Gas _____                                |                                                                       |                                                           |                           |                     |                            |  |
| Gravity of Liquid Hydrocarbons _____ deg.                                                                                |                                       |                              |                       |                                        | Specific Gravity Flowing Fluid _____                                |                                                                       |                                                           |                           |                     |                            |  |
| F <sub>c</sub> <b>3.055</b> (1-e <sup>-S</sup> ) <b>0.96</b>                                                             |                                       |                              |                       |                                        | P <sub>c</sub> <b>898</b> P <sub>c</sub> <sup>2</sup> <b>806404</b> |                                                                       |                                                           |                           |                     |                            |  |
| No.                                                                                                                      | P <sub>w</sub><br>P <sub>t</sub> psia | P <sub>t</sub> <sup>2</sup>  | F <sub>c</sub> Q      | (F <sub>c</sub> Q) <sup>2</sup>        | (F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-S</sup> )                | P <sub>w</sub> <sup>2</sup>                                           | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | Cal<br>P <sub>w</sub>     | P<br>P <sub>c</sub> |                            |  |
| 1.                                                                                                                       | <b>89</b>                             | <b>7921</b>                  | <b>2945</b>           | <b>8673</b>                            | <b>833</b>                                                          | <b>3778</b>                                                           | <b>802626</b>                                             |                           |                     |                            |  |
| 2.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| 3.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| 4.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |
| 5.                                                                                                                       |                                       |                              |                       |                                        |                                                                     |                                                                       |                                                           |                           |                     |                            |  |

ABSOLUTE POTENTIAL: **968** MCFPD; n **.85** **1.0039**

COMPANY **Tenneco Oil Company** WITNESSED \_\_\_\_\_

ADDRESS **P. O. Box 1714, Durango, Colorado** COMPANY \_\_\_\_\_

AGENT AND TITLE *J. E. Massey* **J. E. Massey**  
**District Production Engineer**

