

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
 Revised 9-1-65

|                                                                                                                           |         |                        |                            |                                                  |                                |                                              |                           |                            |                                    |                   |
|---------------------------------------------------------------------------------------------------------------------------|---------|------------------------|----------------------------|--------------------------------------------------|--------------------------------|----------------------------------------------|---------------------------|----------------------------|------------------------------------|-------------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |         |                        |                            |                                                  | Test Date                      |                                              |                           |                            |                                    |                   |
| Company<br><b>Tenneco Oil Co.</b>                                                                                         |         |                        |                            |                                                  | Connection                     |                                              |                           |                            |                                    |                   |
| Pool<br><b>Blanco Mesaverde</b>                                                                                           |         |                        |                            |                                                  | Formation<br><b>Mesa Verde</b> |                                              |                           |                            |                                    |                   |
| Completion Date                                                                                                           |         |                        | Total Depth<br><b>6585</b> |                                                  | Plug Back TD<br><b>6529</b>    |                                              | Elevation<br><b>5873</b>  |                            | Farm or Lease Name<br><b>Omler</b> |                   |
| Csg. Size<br><b>4.5</b>                                                                                                   | Wt.<br> | d<br>                  | Set At<br><b>6585</b>      | Perforations:<br>From <b>4284</b> To <b>4336</b> |                                |                                              | Well No.<br><b>A-5</b>    |                            |                                    |                   |
| Log. Size<br><b>2.375</b>                                                                                                 | Wt.<br> | d<br>                  | Set At<br><b>6280</b>      | Perforations:<br>From                      To    |                                |                                              | Unit<br><b>G</b>          | Sec.<br><b>25</b>          | Twp.<br><b>28</b>                  | Rge.<br><b>10</b> |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br><b>Dual Gas</b>                                                |         |                        |                            |                                                  | Packer Set At<br><b>6280</b>   |                                              | County<br><b>San Juan</b> |                            |                                    |                   |
| Producing Thru<br><b>Csg</b>                                                                                              |         | Reservoir Temp. °F<br> |                            | Mean Annual Temp. °F<br>                         |                                | Baro. Press. - P <sub>a</sub><br><b>12.0</b> |                           | State<br><b>New Mexico</b> |                                    |                   |
| L                                                                                                                         | H       | G <sub>g</sub>         | % CO <sub>2</sub>          | % N <sub>2</sub>                                 | % H <sub>2</sub> S             | Prover                                       | Meter Run                 |                            | Taps                               |                   |

  

| FLOW DATA |                  |   |              |                 |                      |          | TUBING DATA     |          | CASING DATA     |           | Duration of Flow |
|-----------|------------------|---|--------------|-----------------|----------------------|----------|-----------------|----------|-----------------|-----------|------------------|
| NO.       | Prover Line Size | X | Orifice Size | Press. p.s.i.g. | Diff. h <sub>w</sub> | Temp. °F | Press. p.s.i.g. | Temp. °F | Press. p.s.i.g. | Temp. °F  |                  |
| SI        |                  |   |              |                 |                      |          |                 |          | <b>1021</b>     |           |                  |
| 1.        | <b>2 x 3/4</b>   |   |              |                 |                      |          |                 |          | <b>125</b>      | <b>60</b> | <b>3 Hrs</b>     |
| 2.        |                  |   |              |                 |                      |          |                 |          |                 |           |                  |
| 3.        |                  |   |              |                 |                      |          |                 |          |                 |           |                  |
| 4.        |                  |   |              |                 |                      |          |                 |          |                 |           |                  |
| 5.        |                  |   |              |                 |                      |          |                 |          |                 |           |                  |

  

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                       |                               |                                         |                      |
|---------------------------|-----------------------|------------------|-------------------------|-----------------------|-------------------------------|-----------------------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor Ft. | Gravity Factor F <sub>g</sub> | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |
| 1                         | <b>12.3650</b>        |                  | <b>137</b>              | <b>1.000</b>          | <b>.9608</b>                  | <b>1.013</b>                            | <b>1645</b>          |
| 2.                        |                       |                  |                         |                       |                               |                                         |                      |
| 3.                        |                       |                  |                         |                       |                               |                                         |                      |
| 4.                        |                       |                  |                         |                       |                               |                                         |                      |
| 5.                        |                       |                  |                         |                       |                               |                                         |                      |

  

|     |                |          |                |   |                                       |                      |
|-----|----------------|----------|----------------|---|---------------------------------------|----------------------|
| NO. | R <sub>f</sub> | Temp. °R | T <sub>f</sub> | Z | Gas Liquid Hydrocarbon Ratio          | Mcf/bbl.             |
|     |                |          |                |   | A.P.I. Gravity of Liquid Hydrocarbons | Deq.                 |
|     |                |          |                |   | Specific Gravity Separator Gas        | X X X X X X X        |
|     |                |          |                |   | Specific Gravity Flowing Fluid        | X X X <b>DIST. 3</b> |
|     |                |          |                |   | Critical Pressure                     | P.S.I.A.             |
|     |                |          |                |   | Critical Temperature                  | R                    |

  

|                            |                                            |                                            |                                                             |
|----------------------------|--------------------------------------------|--------------------------------------------|-------------------------------------------------------------|
| P <sub>c</sub> <b>1033</b> | P <sub>c</sub> <sup>2</sup> <b>1067089</b> | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0251$ | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0187$ |
| NO.                        | P <sub>t</sub> <sup>2</sup>                | P <sub>w</sub>                             | R <sub>w</sub> <sup>2</sup>                                 |
| 1                          | <b>18769</b>                               |                                            | <b>26150</b>                                                |
| 2                          |                                            |                                            |                                                             |
| 3                          |                                            |                                            |                                                             |
| 4                          |                                            |                                            |                                                             |
| 5                          |                                            |                                            |                                                             |

  

|                                              |               |                                         |                     |
|----------------------------------------------|---------------|-----------------------------------------|---------------------|
| Absolute Open Flow <b>1676</b> Mcfd @ 15.025 |               | Angle of Slope @                        | Slope, n <b>.75</b> |
| Remarks:                                     |               |                                         |                     |
| Approved By Commission:                      | Conducted By: | Calculated By:<br><b>Neil Tefteller</b> | Checked By:<br>     |