

**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<br><b>10-13-66</b>                              |                                          |
| Company<br><b>Tenneco Oil Co.</b>                                                                                         |                 |                                |                                                  | Connection                                   |                                                           |                                          |
| Pool<br><b>Basin Dakota</b>                                                                                               |                 |                                |                                                  | Formation<br><b>Dakota</b>                   |                                                           | Unit                                     |
| Completion Date                                                                                                           |                 | Total Depth                    |                                                  | Plug Back TD<br><b>7696</b>                  | Elevation<br><b>6664</b>                                  | Farm or Lease Name<br><b>Jicarilla B</b> |
| Csg. Size<br><b>4 1/2</b>                                                                                                 | Wt.<br><b>d</b> | Set At<br><b>7751</b>          | Perforations:<br>From <b>7448</b> To <b>7650</b> |                                              | Well No.<br><b>B-8</b>                                    |                                          |
| Tbg. Size<br><b>2 3/8</b>                                                                                                 | Wt.<br><b>d</b> | Set At<br><b>7651</b>          | Perforations:<br>From                      To    |                                              | Unit    Sec.    Twp.    Rye.<br><b>B    15    26    5</b> |                                          |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br><b>Single</b>                                                  |                 |                                |                                                  | Packer Set At                                |                                                           | County<br><b>Rio Arriba</b>              |
| Producing Thru<br><b>TBG</b>                                                                                              |                 | Reservoir Temp. °F<br><b>@</b> | Mean Annual Temp. °F                             | 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     |
| 1.        | <b>2</b>         | <b>x</b> | <b>3/4</b>   |                 |                      |             | <b>2426</b>     |             | <b>2834</b>     |                  |              |
| 2.        |                  |          |              |                 |                      |             | <b>335</b>      | <b>60</b>   | <b>1098</b>     |                  | <b>3 hr.</b> |
| 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>347</b>              | <b>1.000</b>          | <b>.9608</b>                  | <b>1.037</b>                            | <b>4278</b>          |
| 2.                        |                       |                  |                         |                       |                               |                                         |                      |
| 3.                        |                       |                  |                         |                       |                               |                                         |                      |
| 4.                        |                       |                  |                         |                       |                               |                                         |                      |
| 5.                        |                       |                  |                         |                       |                               |                                         |                      |

|     |                |          |                |   |                                                  |
|-----|----------------|----------|----------------|---|--------------------------------------------------|
| NO. | P <sub>t</sub> | Temp. °R | T <sub>f</sub> | Z | Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.      |
| 1.  |                |          |                |   | A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. |
| 2.  |                |          |                |   | Specific Gravity Separator Gas _____             |
| 3.  |                |          |                |   | Specific Gravity Flowing Fluid _____             |
| 4.  |                |          |                |   | Critical Pressure _____ P.S.I.A.                 |
| 5.  |                |          |                |   | Critical Temperature _____ °R                    |

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**OIL CON. COM.**  
**DIST. 3**

P<sub>c</sub> **2846**    P<sub>c</sub><sup>2</sup> **8099716**

| NO. | P <sub>t</sub> <sup>2</sup> | P <sub>w</sub> | P <sub>w</sub> <sup>2</sup> | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> |
|-----|-----------------------------|----------------|-----------------------------|-----------------------------------------------------------|
| 1.  |                             | <b>1110</b>    | <b>1232100</b>              | <b>6867616</b>                                            |
| 2.  |                             |                |                             |                                                           |
| 3.  |                             |                |                             |                                                           |
| 4.  |                             |                |                             |                                                           |
| 5.  |                             |                |                             |                                                           |

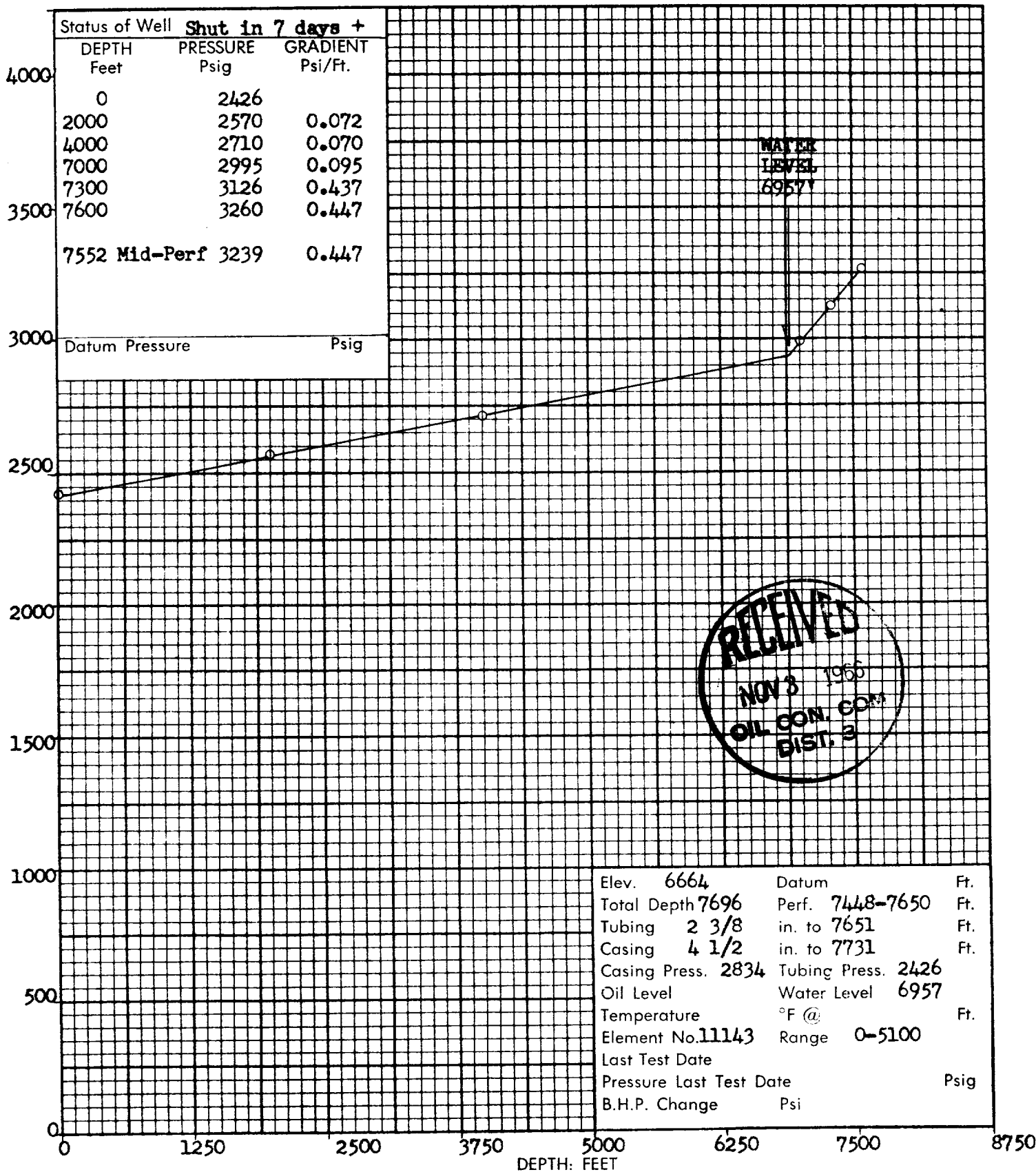
(1)  $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1794$     (2)  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1317$

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4841$

|                                              |                               |                                                                               |
|----------------------------------------------|-------------------------------|-------------------------------------------------------------------------------|
| Absolute Open Flow <b>4841</b> Mcfd @ 15.025 | Angle of Slope $\theta$ _____ | Slope, n <b>.75</b>                                                           |
| Remarks: _____                               |                               |                                                                               |
| Approved By Commission:                      | Conducted By:                 | Calculated By: <b>Neil Tefteller</b>                                          |
|                                              |                               | Checked By: <i>J. B. Massey</i><br><b>J. B. Massey</b><br>Tenneco Oil Company |

Company TENNECO OIL COMPANY Lease JICARILLA Well No. B-8  
 Field BASIN DAKOTA County RIO ARRIBA State NEW MEXICO  
 Formation DAKOTA Test Date OCTOBER 13, 1966



PRESSURE POUNDS PER SQUARE INCH GAUGE