

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

Form C-122  
Revised 12-1-55

|                                   |                         |                            |                                |                                                                       |                   |
|-----------------------------------|-------------------------|----------------------------|--------------------------------|-----------------------------------------------------------------------|-------------------|
| Pool<br><b>Basin Dakota</b>       |                         | Formation<br><b>Dakota</b> |                                | County<br><b>San Juan</b>                                             |                   |
| Initial<br><b>I</b>               | Annual                  | Special                    | Date of Test<br><b>2-24-66</b> |                                                                       |                   |
| Company<br><b>Tenneco Oil Co.</b> |                         | Lease<br><b>Storey "B"</b> |                                | Well No.<br><b>1</b>                                                  |                   |
| Unit<br><b>M</b>                  | Sec.<br><b>11</b>       | Twp.<br><b>30</b>          | Range<br><b>11</b>             | Purchaser                                                             |                   |
| Casing<br><b>4.5</b>              | Wt.<br><b>10.5-11.6</b> | I.D.                       | Set at<br><b>6980</b>          | Perf.<br><b>6691</b>                                                  | To<br><b>6920</b> |
| Tubing<br><b>2.375</b>            | Wt.<br><b>4.7</b>       | I.D.                       | Set at<br><b>6920</b>          | Perf.                                                                 | To                |
| Gas Pay:                          | From                    | To                         | L                              | G<br><b>.650</b>                                                      | GL<br><b>12.0</b> |
| Producing Through:                |                         | Casing                     | Tubing<br><b>I</b>             | Type Well - Single - Braden head - G.G. or G.O. Dual<br><b>Single</b> |                   |
| Date of Completion                |                         | Packer                     |                                | Reservoir Temp.<br><b>198</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. |
| (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. |              |                            |
|                                                                                                                          | <b>3/4</b>                   |                 |                         |              | <b>1467</b>     |              | <b>2100</b>     |              |              |                            |
|                                                                                                                          |                              |                 |                         |              | <b>215</b>      |              | <b>1167</b>     |              | <b>3 hrs</b> |                            |
|                                                                                                                          |                              |                 |                         |              |                 |              |                 |              |              |                            |
|                                                                                                                          |                              |                 |                         |              |                 |              |                 |              |              |                            |
|                                                                                                                          |                              |                 |                         |              |                 |              |                 |              |              |                            |
|                                                                                                                          |                              |                 |                         |              |                 |              |                 |              |              |                            |
|                                                                                                                          |                              |                 |                         |              |                 |              |                 |              |              |                            |

**FLOW CALCULATIONS**

| 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 PD<br>@ 15.025 psia |
|--------------------------|------------------|------------------|----------------------------------------|-------------------------------------|----------------------------------------|----------------------------------------|
| <b>12.3650</b>           |                  | <b>227</b>       | <b>1.0000</b>                          | <b>.9608</b>                        | <b>1.021</b>                           | <b>2757</b>                            |
|                          |                  |                  |                                        |                                     |                                        |                                        |
|                          |                  |                  |                                        |                                     |                                        |                                        |
|                          |                  |                  |                                        |                                     |                                        |                                        |
|                          |                  |                  |                                        |                                     |                                        |                                        |
|                          |                  |                  |                                        |                                     |                                        |                                        |

**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> \_\_\_\_\_ (1-e<sup>-S</sup>) \_\_\_\_\_      P<sub>c</sub> **2112**      p<sub>c</sub><sup>2</sup> **4460544**

| No. | $\frac{P_w}{P_t}$ 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> | $\frac{P_w}{P_c}$ |
|-----|------------------------|-----------------------------|------------------|---------------------------------|------------------------------------------------------|-----------------------------|-----------------------------------------------------------|-----------------------|-------------------|
| 1.  | <b>1179</b>            |                             |                  |                                 |                                                      | <b>1390041</b>              | <b>3070503</b>                                            |                       |                   |
| 2.  |                        |                             |                  |                                 |                                                      |                             |                                                           |                       |                   |
| 3.  |                        |                             |                  |                                 |                                                      |                             |                                                           |                       |                   |
| 4.  |                        |                             |                  |                                 |                                                      |                             |                                                           |                       |                   |
| 5.  |                        |                             |                  |                                 |                                                      |                             |                                                           |                       |                   |

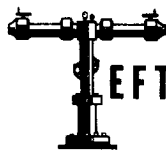
ABSOLUTE POTENTIAL: **3648** MCFPD; n **.75 1.3232**

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

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

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





EFTELLER, INC.

reservoir engineering data  
MIDLAND, TEXAS

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Company TENNECO OIL COMPANY Lease STOREY "B" Well No. 1  
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO  
Formation DAKOTA Test Date FEBRUARY 24, 1966

