

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>x</b>                  |                   | Annual                |                                   | Special             |                               | Date of Test<br><b>2-10-66</b>                                        |                            |             |
| Company<br><b>TEXACO INC.</b>        |                   |                       | Lease<br><b>New Mex. Com. "N"</b> |                     |                               | Well No.<br><b>1</b>                                                  |                            |             |
| Unit<br><b>E</b>                     | Sec.<br><b>36</b> | Twp.<br><b>30N</b>    | Range<br><b>12W</b>               |                     | Purchaser                     |                                                                       |                            |             |
| Casing<br><b>4 1/2"</b>              | Wt.<br><b>9.5</b> | I.D.<br><b>4.09</b>   | Set at<br><b>6562'</b>            |                     | Perf.<br><b>6530<br/>6552</b> |                                                                       | To<br><b>6535<br/>6561</b> |             |
| Tubing<br><b>2 3/8"</b>              | Wt.<br><b>4.7</b> | I.D.<br><b>1.99</b>   | Set at<br><b>6525'</b>            |                     | Perf.<br><b>open end</b>      |                                                                       | To                         |             |
| Gas Pay: From<br><b>6530</b>         |                   | To<br><b>6561</b>     |                                   | L<br><b>.700</b>    |                               | GL                                                                    |                            | Bar. Press. |
| Producing Through:                   |                   | Casing                |                                   | Tubing<br><b>xx</b> |                               | Type Well - Single - Braden head - G.G. or G.O. Dual<br><b>single</b> |                            |             |
| Date of Completion<br><b>2-10-66</b> |                   | Packer<br><b>none</b> |                                   | Reservoir Temp.     |                               |                                                                       |                            |             |

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 OF FLOW HR. |
| No.                                                                                                                      | (Prover) (Line) Size | (Choke) <del>XXXXX</del> | Press. psig. | Diff. h <sub>w</sub> | Temp. °F. | Press. psig. | Temp. °F.  | Press. psig. | Temp. °F. |                      |
| 1.                                                                                                                       |                      | <b>.750</b>              |              |                      |           | <b>1888</b>  |            | <b>1908</b>  |           | <b>7 days</b>        |
| 2.                                                                                                                       |                      |                          |              |                      |           | <b>390</b>   | <b>78°</b> | <b>976</b>   |           | <b>3 hrs.</b>        |
| 3.                                                                                                                       |                      |                          |              |                      |           |              |            |              |           |                      |
| 4.                                                                                                                       |                      |                          |              |                      |           |              |            |              |           |                      |
| 5.                                                                                                                       |                      |                          |              |                      |           |              |            |              |           |                      |

FLOW CALCULATIONS

| No. | Coefficient (24 Hour) | $\sqrt{h_w P_f}$ | Pressure psia | Flow Temp. Factor F <sub>t</sub> | Gravity Factor F <sub>g</sub> | Compress. Factor F <sub>pv</sub> | Rate of Flow Q-MCF P.D. @ 15,025 psia |
|-----|-----------------------|------------------|---------------|----------------------------------|-------------------------------|----------------------------------|---------------------------------------|
| 1.  | <b>12.365</b>         |                  | <b>402</b>    | <b>.9831</b>                     | <b>.9258</b>                  | <b>1.046</b>                     | <b>4,732</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> \_\_\_\_\_ (1-e<sup>-S</sup>) \_\_\_\_\_      P<sub>c</sub> **1920**      P<sub>c</sub><sup>2</sup> **3,686,400**

| 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 P <sub>w</sub> | $\frac{P_w}{P_c}$ |
|-----|------------------------|-----------------------------|------------------|---------------------------------|------------------------------------------------------|-----------------------------|-----------------------------------------------------------|--------------------|-------------------|
| 1.  | <b>988</b>             |                             |                  |                                 |                                                      | <b>976,144</b>              | <b>2,710,256</b>                                          |                    |                   |
| 2.  |                        |                             |                  |                                 |                                                      |                             |                                                           |                    |                   |
| 3.  |                        |                             |                  |                                 |                                                      |                             |                                                           |                    |                   |
| 4.  |                        |                             |                  |                                 |                                                      |                             |                                                           |                    |                   |
| 5.  |                        |                             |                  |                                 |                                                      |                             |                                                           |                    |                   |

ABSOLUTE POTENTIAL: **5959** MCFPD; n **.75**

COMPANY **TEXACO INC.** WITNESSED \_\_\_\_\_

ADDRESS **P. O. Box, Farmington, New Mex.** COMPANY \_\_\_\_\_

AGENT AND TITLE **C. R. Farmer**  
**District Superintendent**

