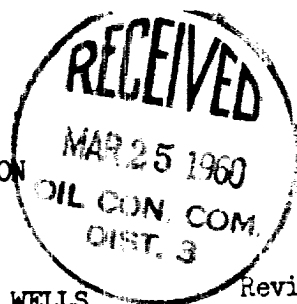


## NEW MEXICO OIL CONSERVATION COMMISSION



Form C-122

Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool UNDESIGNATED Formation DAKOTA County SAN JUAN  
Initial X Annual \_\_\_\_\_ Special \_\_\_\_\_ Date of Test 3-24-60  
Company TEXACO, INC. Lease NAVATO TRIBE Well No. AA 1  
Unit P Sec. 19 Twp. 27N Rge. 11W Purchaser EL PASO NATURAL GAS  
Casing 5 1/2 Wt. 15.5 I.D. 5.000 Set at 6540 Perf. 6356 To 6510  
Tubing 2 3/8 Wt. 4.7 I.D. 2.000 Set at 6508 Perf. OPEN ENDED To \_\_\_\_\_  
Gas Pay: From 6356 To 6510 L \_\_\_\_\_ xG \_\_\_\_\_ -GL \_\_\_\_\_ Bar.Press. \_\_\_\_\_  
Producing Thru: Casing \_\_\_\_\_ Tubing X Type Well DUAL-DAKOTA P.C.  
Date of Completion: 3-24-60 Packer 1830 Single-Bradenhead-G. G. or G.O. Dual  
Reservoir Temp. \_\_\_\_\_

## OBSERVED DATA

Tested Through (Prover) (Choke) (Water)

Type Taps \_\_\_\_\_

| No. | Flow Data                  |                                         |                |                         |              | Tubing Data    |              | Casing Data    |              | Duration of Flow Hr. |
|-----|----------------------------|-----------------------------------------|----------------|-------------------------|--------------|----------------|--------------|----------------|--------------|----------------------|
|     | (Prover)<br>(Line)<br>Size | (Choke)<br>( <del>Choke</del> )<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. |                      |
| SI  |                            |                                         |                |                         |              | 1708           |              | 1708           |              | 7 DAYS               |
| 1.  |                            | 1.750                                   | 365            |                         | 61°          | 365            |              |                |              |                      |
| 2.  |                            |                                         |                |                         |              |                |              |                |              |                      |
| 3.  |                            |                                         |                |                         |              |                |              |                |              |                      |
| 4.  |                            |                                         |                |                         |              |                |              |                |              |                      |
| 5.  |                            |                                         |                |                         |              |                |              |                |              |                      |

## FLOW CALCULATIONS

| No. | Coefficient<br>(24-Hour) | $\sqrt{h_{wpf}}$ | 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<br>Q-MCFPD<br>@ 15.025 psia |
|-----|--------------------------|------------------|------------------|----------------------------------------|-------------------------------------|----------------------------------------|------------------------------------------|
| 1.  | 12.365                   |                  | 377              | .1990                                  | 1.030                               | 1.027                                  | 4926.3                                   |
| 2.  |                          |                  |                  |                                        |                                     |                                        |                                          |
| 3.  |                          |                  |                  |                                        |                                     |                                        |                                          |
| 4.  |                          |                  |                  |                                        |                                     |                                        |                                          |
| 5.  |                          |                  |                  |                                        |                                     |                                        |                                          |

## PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl.  
Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg.  
C \_\_\_\_\_ (1-e<sup>-8</sup>)

Specific Gravity Separator Gas \_\_\_\_\_  
Specific Gravity Flowing Fluid \_\_\_\_\_  
P<sub>c</sub> 1720 P<sub>c</sub> 2958.400

| 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><br>(1-e <sup>-8</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 <sub>w</sub><br>P <sub>c</sub> |
|-----|-----------------------------------------|-----------------------------|------------------|---------------------------------|---------------------------------------------------------|-----------------------------|----------------------------------------------------------|------------------------|----------------------------------|
| 1.  |                                         |                             |                  |                                 |                                                         |                             |                                                          |                        |                                  |
| 2.  |                                         |                             |                  |                                 |                                                         |                             |                                                          |                        |                                  |
| 3.  |                                         |                             |                  |                                 |                                                         |                             |                                                          |                        |                                  |
| 4.  |                                         |                             |                  |                                 |                                                         |                             |                                                          |                        |                                  |
| 5.  |                                         |                             |                  |                                 |                                                         |                             |                                                          |                        |                                  |

Absolute Potential: 519324 MCFPD; n 175 12783  
COMPANY Well Production Company 10663 175 12043  
ADDRESS M. A. NEELY, Owner  
AGENT and TITLE 1041 ZUNI DRIVE Agent  
WITNESSED FARMINGTON, NEW MEXICO  
COMPANY \_\_\_\_\_

## REMARKS

## REMARKS OR FRICTION CALCULATIONS

| GL   | (1-e <sup>-8</sup> ) | (F <sub>c</sub> Q) <sup>2</sup> | (F <sub>c</sub> Q) <sup>2</sup><br>(1-e <sup>-8</sup> )<br>R <sup>2</sup> | P <sub>t</sub> <sup>2</sup><br>(Column 1) | P <sub>t</sub> <sup>2</sup> +R <sup>2</sup> | P <sub>w</sub> |
|------|----------------------|---------------------------------|---------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------|----------------|
| 3677 | 1234                 | 204987                          | 501.927                                                                   | 142.129                                   | 644.056                                     | 803            |