

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Fulcher Kutz Formation Picture Cliff County San Juan  
 Initial X Annual \_\_\_\_\_ Special \_\_\_\_\_ Date of Test 1-21-60  
 Company Texaco, Inc. Lease H. J. Loe Fed. Well No. B-1  
 Unit A Sec. 23 Twp. 29N Rge. 12W Purchaser El Paso Natural Gas Co  
 Casing 4 1/2 Wt. 9.50 I.D. 4.00 Set at 1761 Perf. 1730 To 1748  
 Tubing 2 3/8 Wt. 4.7 I.D. 2.00 Set at 1749 Perf. OPEN ENDED To \_\_\_\_\_  
 Gas Pay: From 1730 To 1748 L \_\_\_\_\_ xG \_\_\_\_\_ -GL \_\_\_\_\_ Bar. Press. \_\_\_\_\_  
 Producing Thru: Casing \_\_\_\_\_ Tubing X Type Well SINGLE GAS  
 Date of Completion: 1-21-60 Packer \_\_\_\_\_ Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. \_\_\_\_\_

### OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

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

| No. | Flow Data            |                        |             |                      |           | Tubing Data |           | Casing Data |           | Duration of Flow Hr. |
|-----|----------------------|------------------------|-------------|----------------------|-----------|-------------|-----------|-------------|-----------|----------------------|
|     | (Prover) (Line) Size | (Choke) (Orifice) Size | Press. psig | Diff. h <sub>w</sub> | Temp. °F. | Press. psig | Temp. °F. | Press. psig | Temp. °F. |                      |
| SI  |                      |                        |             |                      |           | 393         |           | 367         |           | 7 DAYS shut in       |
| 1.  |                      |                        | 4           |                      | 42        | 4           |           | 65          |           |                      |
| 2.  |                      |                        |             |                      |           |             |           |             |           |                      |
| 3.  |                      |                        |             |                      |           |             |           |             |           |                      |
| 4.  |                      |                        |             |                      |           |             |           |             |           |                      |
| 5.  |                      |                        |             |                      |           |             |           |             |           |                      |

### FLOW CALCULATIONS

| No. | Coefficient (24-Hour) | $\sqrt{h_{wpf}}$ | 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-MCFPD @ 15.025 psia |
|-----|-----------------------|------------------|---------------|----------------------------------|-------------------------------|----------------------------------|------------------------------------|
| 1.  | 12.365                |                  | 16            | 1.0178                           | 1.004                         | 1.002                            | 2.03                               |
| 2.  |                       |                  |               |                                  |                               |                                  |                                    |
| 3.  |                       |                  |               |                                  |                               |                                  |                                    |
| 4.  |                       |                  |               |                                  |                               |                                  |                                    |
| 5.  |                       |                  |               |                                  |                               |                                  |                                    |

### PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas \_\_\_\_\_  
 Specific Gravity Flowing Fluid \_\_\_\_\_  
 P<sub>c</sub> 405 P<sub>c</sub> 164.025

| No. | P <sub>w</sub> 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> (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. P <sub>w</sub> | P <sub>w</sub> /P <sub>c</sub> |
|-----|--------------------------------------|-----------------------------|------------------|---------------------------------|------------------------------------------------------|-----------------------------|----------------------------------------------------------|---------------------|--------------------------------|
| 1.  |                                      |                             |                  |                                 |                                                      | 5929                        | 158096                                                   |                     |                                |
| 2.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |
| 3.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |
| 4.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |
| 5.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |

Absolute Potential: 209 MCFPD; n .85

COMPANY Well Production Company

ADDRESS N. A. NEELY, OWNER

AGENT and TITLE 1041 ZUNI DRIVE

WITNESSED FARMINGTON, NEW MEXICO

COMPANY \_\_\_\_\_

REMARKS \_\_\_\_\_



|                             |                  |   |
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