

## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverde Formation Mesaverde County Rio Arriba  
Initial \_\_\_\_\_ Annual \_\_\_\_\_ Special X Date of Test 11-2-56  
Company Blackwood & Nichols Company Lease N E Blanco Unit Well No. 22-36  
Unit 0 Sec. 36 Twp. 31 N Rge. 7W Purchaser El Paso Natural Gas Company  
~~Liner~~ 5 1/2" Wt. 15.54 I.D. 4.950 Set at 5600' and hung at 4894' Perf. 5063' To 5560'  
Tubing 2-3/8" Wt. 4.74 I.D. 1.995 Set at 5457' Perf. 5415' To 5427'  
Gas Pay: From \_\_\_\_\_ To \_\_\_\_\_ L \_\_\_\_\_ xG \_\_\_\_\_ -GL \_\_\_\_\_ Bar.Press. \_\_\_\_\_  
Producing Thru: Casing \_\_\_\_\_ Tubing X Type Well Single Gas  
Date of ~~Recompletion:~~ 10-24-56 Packer \_\_\_\_\_ Reservoir Temp. \_\_\_\_\_  
Single-Bradenhead-G. G. or G.O. Dual

## 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. |                      |
| SI  |                      |                        |             |                      |           |             |           |                      |
| 1.  | 3/4                  |                        |             |                      |           | 1049        | 1047      | 3 hours              |
| 2.  |                      |                        |             |                      |           | 210         | 546       |                      |
| 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-MCFPD @ 15.025 psia |
|-----|-----------------------|------------------|---------------|----------------------------------|-------------------------------|----------------------------------|------------------------------------|
| 1.  | 12.365                |                  | 221           |                                  |                               |                                  | 2732.6                             |
| 2.  |                       |                  |               |                                  |                               |                                  |                                    |
| 3.  |                       |                  |               |                                  |                               |                                  |                                    |
| 4.  |                       |                  |               |                                  |                               |                                  |                                    |
| 5.  |                       |                  |               |                                  |                               |                                  |                                    |

## PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl.  
Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg.  
F<sub>c</sub> \_\_\_\_\_ (1-e<sup>-s</sup>)  
Specific Gravity Separator Gas \_\_\_\_\_  
Specific Gravity Flowing Fluid \_\_\_\_\_  
P<sub>c</sub> 1058 P<sub>c</sub><sup>2</sup> 1119

| 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>-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> | P <sub>w</sub> /P <sub>c</sub> |
|-----|--------------------------------------|-----------------------------|------------------|---------------------------------|------------------------------------------------------|-----------------------------|----------------------------------------------------------|---------------------|--------------------------------|
| 1.  |                                      |                             |                  |                                 |                                                      | 310                         | 809                                                      |                     | .516                           |
| 2.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |
| 3.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |
| 4.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |
| 5.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |

Absolute Potential: 3479.15 MCFPD; n 0.75  
COMPANY Blackwood & Nichols Company  
ADDRESS P. O. Box 1237  
AGENT and TITLE W. J. Linton, Petroleum Engineer  
WITNESSED \_\_\_\_\_  
COMPANY \_\_\_\_\_

REMARKS



|                              |                  |                                     |
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