

## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Blanco-Pictured Cliffs Location Pictured Cliffs County San Juan  
Initial I Annual \_\_\_\_\_ Special \_\_\_\_\_ Date of Test 4-3-56  
Company Stanolind Oil & Gas Company Lease Hicorilla Contract 246 Well No. 6  
Unit J Sec. 3 Twp. 25 N Rge. 5 W Purchaser well shut in  
Casing 5/8 Wt. 24.6 I.D. 5.012 Set at 2778 Perf. 2907 To 2979  
Tubing 2-3/8 Wt. 4.75 I.D. 1.995 Set at 2886 Perf. 2880 To 2886  
Gas Pay: From 2904 To 2940 L \_\_\_\_\_ xG .65 sat. -GL \_\_\_\_\_ Bar.Press. 12,000  
Producing Thru: Casing \_\_\_\_\_ Tubing I Type Well Single - Gas  
Date of Completion: 4-3-56 Packer \_\_\_\_\_ Single-Bradenhead-G. G. or G.O. Dual  
Reservoir Temp. 110° F.  
1000 / low. - 6615'

## OBSERVED DATA

Tested Through (Prover) (Choke) (Prover)

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

| No. | Flow Data                  |                              |                | Tubing Data             |              | Casing Data    |              | Duration of Flow 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. |                      |
| 1.  |                            | <u>3/4</u>                   | <u>242</u>     |                         | <u>60°</u>   | <u>1092</u>    | <u>60</u>    | <u>3 Hr.</u>         |
| 2.  |                            |                              |                |                         |              |                | <u>481</u>   |                      |
| 3.  |                            |                              |                |                         |              |                |              |                      |
| 4.  |                            |                              |                |                         |              |                |              |                      |
| 5.  |                            |                              |                |                         |              |                |              |                      |

## FLOW CALCULATIONS

| No. | 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<br>Q-MCFPD<br>@ 15.025 psia |
|-----|--------------------------|------------------|------------------|----------------------------------------|-------------------------------------|----------------------------------------|------------------------------------------|
| 1.  | <u>12.3050</u>           |                  | <u>290</u>       | <u>1.000</u>                           | <u>.960</u>                         | <u>1.045</u>                           | <u>3.047</u>                             |
| 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 .65 sat.  
P<sub>c</sub> 1092 P<sub>c</sub> 1092.9

| 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>-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> | P <sub>w</sub><br>P <sub>c</sub> |
|-----|-----------------------------------------|-----------------------------|------------------|---------------------------------|---------------------------------------------------------|-----------------------------|----------------------------------------------------------|------------------------|----------------------------------|
| 1.  |                                         |                             |                  |                                 |                                                         | <u>293.0</u>                | <u>856.9</u>                                             |                        | <u>1092</u>                      |
| 2.  |                                         |                             |                  |                                 |                                                         |                             |                                                          |                        |                                  |
| 3.  |                                         |                             |                  |                                 |                                                         |                             |                                                          |                        |                                  |
| 4.  |                                         |                             |                  |                                 |                                                         |                             |                                                          |                        |                                  |
| 5.  |                                         |                             |                  |                                 |                                                         |                             |                                                          |                        |                                  |

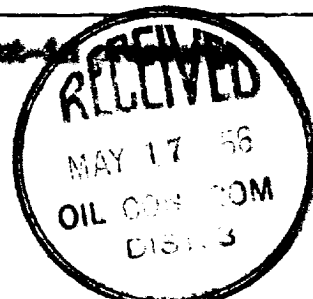
Absolute Potential: 3.775 MCFPD; n .65COMPANY Stanolind Oil & Gas CompanyADDRESS Box 407, Farmington, New MexicoAGENT and TITLE R. H. Bauer, Jr., Field Engineer

WITNESSED \_\_\_\_\_

COMPANY \_\_\_\_\_

## REMARKS

Test was obtained after approximately two days shut in. 7-day shut-in  
obtained were 1092 psig.



|                             |   |
|-----------------------------|---|
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