

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE **October 1, 1957**

|                                                |                             |                                           |                                 |
|------------------------------------------------|-----------------------------|-------------------------------------------|---------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b> |                             | Lease<br><b>San Juan 30-6 Unit No. 17</b> |                                 |
| Location<br><b>800'S, 1500'W, Sec. 18-30-6</b> |                             | County<br><b>Rio Arriba</b>               | State<br><b>New Mexico</b>      |
| Formation<br><b>Mesa Verde</b>                 |                             | Pool<br><b>Blanco</b>                     |                                 |
| Casing Diameter<br><b>7-5/8</b>                | Set At: Feet<br><b>3798</b> | Tubing Diameter<br><b>2</b>               | Set At: Feet<br><b>5973</b>     |
| Pay Zone: From<br><b>5-1/2</b>                 | To<br><b>5453</b>           | Total Depth<br><b>6050 - c/o 5930</b>     |                                 |
| Stimulation Method<br><b>Sand Water Frac.</b>  |                             | Flow Through Casing                       | Flow Through Tubing<br><b>X</b> |

|                                               |                                    |                           |                                                       |
|-----------------------------------------------|------------------------------------|---------------------------|-------------------------------------------------------|
| Choke Size, Inches<br><b>.750</b>             | Choke Constant, C<br><b>12.365</b> |                           |                                                       |
| Shut-In Pressure, Casing, PSIG<br><b>1086</b> | 12 - PSIA<br><b>1098</b>           | Days Shut-In<br><b>11</b> | Shut-In Pressure, Tubing, PSIG<br><b>1074</b>         |
| Flowing Pressure, P, PSIG<br><b>432</b>       | 12 - PSIA<br><b>444</b>            |                           | Working Pressure, P <sub>w</sub> , PSIG<br><b>967</b> |
| Temperature, T, °F<br><b>80</b>               | <b>.750</b>                        |                           | F <sub>pv</sub> (From Tables)<br><b>1.025</b>         |
|                                               |                                    |                           | Gravity<br><b>.646</b>                                |

CHOKE VOLUME  $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$ 

$$Q = 12.365 \times 444 \times .9813 \times .9645 \times 1.025 = 5326 \text{ MCF/D}$$

$$\text{OPEN FLOW } A_{of} = Q \left( \frac{P_1^2 - P_w^2}{P_1^2} \right)^n$$

$$A_{of} = \left( \frac{1205,604}{247,163} \right)^n \quad 4.8777^{.75} \times 5326 = 3.2820 \times 5326$$

$$A_{of} = 17,480 \text{ MCF/D}$$

TESTED BY **R. R. Davis and J. Goodwin**

WITNESSED BY \_\_\_\_\_



*L. D. Galloway*  
L. D. Galloway

**OIL CONDUCTIVITY COMMISSION**

|           |       |
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