

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 14, 1957

|                                                 |                             |                                       |                                 |
|-------------------------------------------------|-----------------------------|---------------------------------------|---------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b>  |                             | Lease<br><b>Jicarilla No. 6-B</b>     |                                 |
| Location<br><b>1800'N, 1750'E, Sec. 33-25-4</b> |                             | County<br><b>Rio Arriba</b>           | State<br><b>New Mexico</b>      |
| Formation<br><b>Pictured Cliffs</b>             |                             | Pool<br><b>Undesignated</b>           |                                 |
| Tubing Diameter<br><b>5 1/2</b>                 | Set At: Feet<br><b>3190</b> | Tubing Diameter<br><b>2"</b>          | Set At: Feet<br><b>3050</b>     |
| Pay Zone: From<br><b>3080</b>                   | To<br><b>3135</b>           | Total Depth<br><b>3200 - c/o 3120</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<br><b>1025</b> | PSIG | 12 = PSIA<br><b>1037</b>           | Days Shut-In<br><b>13</b>          |
| Shut-In Pressure, Tubing<br><b>1025</b> | PSIG | 12 = PSIA<br><b>1037</b>           |                                    |
| Flowing Pressure: P<br><b>396</b>       | PSIG | 12 = PSIA<br><b>408</b>            | Working Pressure: Pw<br><b>877</b> |
| Temperature: T<br><b>64</b>             | F    | Flow (From Tables)<br><b>1.042</b> | Gravity<br><b>.660</b>             |
|                                         |      |                                    |                                    |

CHOKE VOLUME  $Q = C \times P_r \times F_p \times F_g \times F_{pv}$

$$Q = 12.365 \times 408 \times .9962 \times .9535 \times 1.042$$

4993

MCF D

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

$$A_{of} = \left( \frac{1,075,369}{285,048} \right)^n \times 3.7725^{.85} \times 4993 = 3.085 \times 4993$$

$$A_{of} = 15,403 \text{ MCF D}$$

K. C. McBride



*L. D. Galloway*  
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## OIL CONSERVATION COMMISSION

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