

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE September 7, 1956

|                                                 |                             |                                          |                             |
|-------------------------------------------------|-----------------------------|------------------------------------------|-----------------------------|
| Operator<br><b>El Paso Natural Gas Company</b>  |                             | Lease<br><b>McConnell # 5</b>            |                             |
| Location<br><b>1090'N, 1650'W, Sec. 24-26-9</b> |                             | County<br><b>San Juan</b>                | State<br><b>New Mexico</b>  |
| Formation<br><b>Pictured Cliff</b>              |                             | Pool<br><b>Ballard</b>                   |                             |
| Casing: Diameter<br><b>5½</b>                   | Set At: Feet<br><b>2082</b> | Tubing: Diameter<br><b>1½</b>            | Set At: Feet<br><b>1977</b> |
| Perforation Zone: From<br><b>1996</b>           | To<br><b>2048</b>           | Total Depth:<br><b>2082 - c/o - 2060</b> |                             |
| Stimulation Method<br><b>Sand Water Frac</b>    |                             | Flow Through Casing<br><b>X</b>          | Flow Through Tubing         |

|                                              |                         |                                     |                                              |
|----------------------------------------------|-------------------------|-------------------------------------|----------------------------------------------|
| Choke Size, Inches<br><b>.750</b>            |                         | Choke Constant: C<br><b>14.1605</b> |                                              |
| Shut-In Pressure, Casing, PSIG<br><b>617</b> | 12 - PSIA<br><b>629</b> | Days Shut-In<br><b>7</b>            | Shut-In Pressure, Tubing, PSIG<br><b>617</b> |
| Flowing Pressure: P, PSIG<br><b>310</b>      | 12 - PSIA<br><b>322</b> |                                     | Working Pressure: Pw, PSIG<br><b>353</b>     |
| Temperature: T, °F<br><b>81</b>              |                         |                                     | Fpv (From Tables)<br><b>1.029</b>            |
|                                              |                         |                                     | Gravity<br><b>.665</b>                       |

CHOKE VOLUME =  $Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$ 
 $Q = 14.1605 \times 322 \times .9804 \times .9498 \times 1.029$ 

4369

MCF D

OPEN FLOW Aof =  $Q \left( \frac{P_c^2 - P_w^2}{P_c^2} \right)^n$ 
 $Aof = \left( \frac{395,641}{262,416} \right)^n (1.5077)^{.85} \times 4369 = 1.418 \times 4369$ 

Aof 6195 MCF D

TESTED BY: K. C. McBride

WITNESSED BY:

By: L. D. Galloway
L. D. Galloway  
L. D. Galloway


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