

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

**WELL COMPLETION**

DATE **March 30, 1959**

|                                               |                            |                                             |                                        |
|-----------------------------------------------|----------------------------|---------------------------------------------|----------------------------------------|
| Operator<br><b>El Paso Natural Gas</b>        |                            | Lease<br><b>San Juan 27-5 No. 45 (P)</b>    |                                        |
| Location<br><b>15508, 1750W; 6-27-5</b>       |                            | County<br><b>Rio Arriba</b>                 | State<br><b>New Mexico</b>             |
| Formation<br><b>Pictured Cliffs</b>           |                            | Pool<br><b>Undesignated</b>                 |                                        |
| Casing Diameter<br><b>7-5/8</b>               | Set At Feet<br><b>3560</b> | Tubing Diameter<br><b>1-1/4</b>             | Set At Feet<br><b>3396</b>             |
| Pay Zone From<br><b>3362</b>                  | To<br><b>3410</b>          | Flow Through Casing<br><b>5749 c/o 5705</b> | Shut in 3/12/59<br>Flow Through Tubing |
| Stimulation Method<br><b>Sand Water Frac.</b> |                            | Flow Through Tubing<br><b>X</b>             |                                        |

|                                              |                                    |                                    |
|----------------------------------------------|------------------------------------|------------------------------------|
| Choke Size, Inches<br><b>.75</b>             | Choke Constant, C<br><b>12.365</b> | 5-1/2 liner 3499 - 5746            |
| Shut-in Pressure, Casing<br>(PC) <b>1042</b> | PSIG 12 PSIA<br><b>1054</b>        | Days Shut-in<br><b>18</b>          |
| Flowing Pressure: P<br><b>3032</b>           | PSIG 12 PSIA<br><b>3154</b>        | Working Pressure: Pw<br><b>315</b> |
| Temperature T<br><b>61</b>                   | Gravity<br><b>.850</b>             | Flow (From Tables)<br><b>1.031</b> |

Initial SIPT' (MV) - 1076 psig  
Final SIPT' (MV) - 1080 psig

Packer at 3576

CHOKE VOLUME  $Q = C \times R \times E \times F_g \times F_v$

$12.365 \times 315 \times .9990 \times .9608 \times 1.031$  **3854** MCF/D

OPEN FLOW  $Q = \left( \frac{P_i - P_o}{P_o - P_w} \right)^n$

$1.117,249$   
 $1,010,320$   $1.1058^{.85} \times 3,854 = 1.0892 \times 3,854$

**4,198** MCF/D

R. R. Davis

WITNESSED BY

*Lewis D. Galloway*  
L. D. Galloway



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