

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE April 25, 1961

|                                                            |                                                                  |
|------------------------------------------------------------|------------------------------------------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b>             | Lease<br><b>Schumacher No. 11</b>                                |
| Location<br><b>1650'S, 1650'W, Sec. 18-30N-10W</b>         | County<br><b>San Juan</b> State<br><b>New Mexico</b>             |
| Formation<br><b>Dakota</b>                                 | Pool<br><b>Basin</b>                                             |
| Casing Diameter<br><b>7-5/8</b> Set At Feet<br><b>2951</b> | Tubing Diameter<br><b>2-3/8" O.D.</b> Set At Feet<br><b>7277</b> |
| Pay Zone From<br><b>7164</b> To<br><b>7276</b>             | Total Depth<br><b>7444 C/O 7376</b> Shut In<br><b>4-17-61</b>    |
| Stimulation Method<br><b>Sand/Water Frac.</b>              | Flow Through Casing<br><b>X</b> Flow Through Tubing<br><b>X</b>  |

|                                               |                                              |                                                                            |
|-----------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------|
| Choke Size, Inches<br><b>0.750</b>            | Choke Constant: C<br><b>12.365</b>           | <b>5-1/2" Liner from 2890 to 7442</b>                                      |
| Shut-In Pressure, Casing, PSIG<br><b>2027</b> | PSIA<br><b>2039</b> Days Shut-In<br><b>8</b> | Shut-In Pressure, Tubing, PSIG<br><b>2017</b> PSIA<br><b>2029</b>          |
| Flowing Pressure: P, PSIG<br><b>180</b>       | PSIA<br><b>192</b>                           | Working Pressure: Pw, PSIG<br><b>552</b> PSIA<br><b>564</b>                |
| Temperature:<br>T <b>72 F</b> F <b>.9887</b>  | <b>0.75</b>                                  | Eqv. From Tables: Gravity<br><b>1.018</b> Est. <b>.650</b> Fg <b>.9608</b> |

CHOKE VOLUME  $Q = C \times P_r \times F_r \times F_g \times F_{ev}$

$$Q = (12.365)(192)(.9887)(.9608)(1.018)$$

2296

MCF D

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

$$A_{of} = \left( \frac{4,157,521}{3,839,425} \right)^n$$

$$(1.0828)^{.75}(2296) = (1.0615)(2296)$$

Aof **2437**

MCF D



NOTE: Blew very light spray of water and condensate.

REPORTED BY **R. L. Nickell, Jr.**

ATTENDED BY

Checked by **T. B. Grant**

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