

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE August 13, 1960

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|--|---|
| Operator<br><b>El Paso Natural Gas Co.</b>                   | Lease<br><b>San Juan 30-6 Unit No. 34</b>                       |
| Location<br><b>8008, 800W; 10-30N-6W</b>                     | County<br><b>Rio Arriba</b> State<br><b>New Mexico</b>          |
| Formation<br><b>Mesaverde</b>                                | Pool<br><b>Blanco MV</b>  |
| Casing: Diameter<br><b>7-5/8</b> Set At: Feet<br><b>3291</b> | Tubing: Diameter<br><b>2"</b> Set At: Feet<br><b>5488</b>       |
| Pay Zone: From<br><b>5308</b> To<br><b>5474</b>              | Total Depth:<br><b>5555 o/o 5516</b> Shut In<br><b>7/28/60</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>.75</b>                  | Choke Constant: C<br><b>12.365</b>            | <b>5-1/2" liner from 3217 to 5550</b>   |
| Shut-In Pressure, Casing, PSIG<br><b>1042</b>     | PSIA<br><b>1054</b> Days Shut-In<br><b>16</b> | Shut-In Pressure, Tubing, PSIG<br><b>1042</b> PSIA<br><b>1054</b>                             |
| Flowing Pressure: P, PSIG<br><b>246</b>           | PSIA<br><b>258</b>                            | Working Pressure: P <sub>w</sub> , PSIG<br><b>635</b> PSIA<br><b>647</b>                      |
| Temperature: T, F<br><b>69</b> Fr<br><b>.9915</b> | n<br><b>.75</b>                               | F <sub>pv</sub> (From Tables) Gravity<br><b>1.020</b> <b>.615</b> F <sub>g</sub> <b>.9877</b> |

CHOKE VOLUME Q C x P<sub>c</sub> x F<sub>v</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q **12.365 x 258 x .9915 x .9877 x 1.020** **3187** MCF/D

OPEN FLOW Aof Q  $\left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

Aof  $\left( \frac{1110916}{692307} \right)^n$  **1.6046<sup>.75</sup> x 3187 = 1.4255 x 3187**

Aof **4543** MCF/D

TESTED BY **Ronald F. Headrick**

WITNESSED BY

Checked By **Bob Nickell**



*Lewis D. Galloway*  
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