

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE August 1, 1962

|                                                 |                             |                                            |                                 |
|-------------------------------------------------|-----------------------------|--------------------------------------------|---------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b>  |                             | Lease<br><b>Schwerdtfeger No. 2 (OMMO)</b> |                                 |
| Location<br><b>1750'N, 1650'E, Sec. 27-31-9</b> |                             | County<br><b>San Juan</b>                  | State<br><b>New Mexico</b>      |
| Formation<br><b>Mesa Verde</b>                  |                             | Pool<br><b>Blanco</b>                      |                                 |
| Casing: Diameter<br><b>4.5</b>                  | Set At: Feet<br><b>5434</b> | Tubing: Diameter<br><b>2.375</b>           | Set At: Feet<br><b>5384</b>     |
| Pay Zone: From<br><b>5286</b>                   | To<br><b>5422</b>           | Total Depth:<br><b>5442</b>                | Shut In<br><b>7-21-62</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, PSIG<br><b>885</b> | 12 PSIA<br><b>897</b>        | Days Shut-In<br><b>11</b>          | Shut-In Pressure, Tubing, PSIG<br><b>883</b>          |
| Flowing Pressure: P, PSIG<br><b>187</b>      | 12 PSIA<br><b>199</b>        |                                    | Working Pressure: P <sub>w</sub> , PSIG<br><b>711</b> |
| Temperature: T, F<br><b>72</b>               | n<br><b>.9887</b>            |                                    | F <sub>pv</sub> (From Tables)<br><b>1.020</b>         |
|                                              | F <sub>g</sub><br><b>.75</b> |                                    | Gravity<br><b>.680</b>                                |
|                                              |                              |                                    | F <sub>g</sub> = <b>.9393</b>                         |

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

$$Q = (12.365)(199)(.9887)(.9393)(1.020)$$

2331

MCF/D

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

Aof  $\left( \frac{804,609}{299,088} \right)^n$

$$(2.6902)^{.75}(2331) = (2.1000)(2331)$$



NOTE: Made a light spray of hydrocarbons.

Aof **4895**

MCF/D

TESTED BY **R. F. Headrick**

WITNESSED BY

Checked by: W. D. Dawson

*Lewis D. Galloway*  
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