

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE July 26, 1962

|                                                          |                                                             |
|----------------------------------------------------------|-------------------------------------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b>           | Lease<br><b>San Jaun Unit 29-6 No. 45</b>                   |
| Location<br><b>1550'N, 990'E, Sec. 27-29-6</b>           | County<br><b>Rio Arriba</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>5640</b> | Tubing Diameter<br><b>1-1/4"</b> Set At Feet<br><b>5396</b> |
| Pay Zone From<br><b>5040</b> To<br><b>5110</b>           | Total Depth<br><b>5650</b> Shut In<br><b>7-16-62</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>12.365</b> | Days Shut-In<br><b>10</b>                      | Shut-In Pressure, Tubing<br><b>674</b> | PSIG - 12 - PSIA<br><b>686</b> |
| Shut-In Pressure, Casing<br><b>1078</b>        | PSIG - 12 - PSIA<br><b>1090</b>    | Working Pressure, P <sub>w</sub><br><b>439</b> | PSIG - 12 - PSIA<br><b>451</b>         | Gravity<br><b>.9608</b>        |
| Flowing Pressure, P <sub>f</sub><br><b>140</b> | PSIG - 12 - PSIA<br><b>152</b>     | F <sub>pv</sub> (From Tables)<br><b>1.014</b>  |                                        |                                |
| Temperature<br><b>65</b>                       | F <sub>t</sub> .9952               |                                                |                                        |                                |

CHOKE VOLUME Q C x P<sub>i</sub> x F<sub>t</sub> x F<sub>q</sub> x F<sub>pv</sub>

Q (12.365)(152)(.9952)(.9608)(1.014)

1822

MCF D

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

Aof  $\left( \frac{1,188,100}{984,699} \right)^n$  (1.2065)<sup>.75</sup>(1822) = (1.1512)(1822)

Aof 2097 MCF D

NOTE: Blew light mist of distillate about 5 minutes after opening, then cleaned up.

By R. F. Headrick

Witnessed by

Checked by: W. D. Dawson

*H. L. Kendrick*  
H. L. Kendrick

