

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE June 22, 1966

|                                                |                             |                                     |                            |
|------------------------------------------------|-----------------------------|-------------------------------------|----------------------------|
| Operator<br><u>El Paso Natural Gas Company</u> |                             | Lease<br><u>Florance "D" No. 16</u> |                            |
| Location<br><u>Section 20, T-27-N, R-8-W</u>   |                             | County<br><u>San Juan</u>           | State<br><u>New Mexico</u> |
| Formation<br><u>Alamogordo</u>                 |                             | Pool<br><u>South Blanco</u>         |                            |
| Casing Diameter<br><u>10 1/2</u>               | Set At: Feet<br><u>2137</u> | Tubing Diameter<br><u>No Tubing</u> | Set At: Feet<br><u>-</u>   |
| Perforations From<br><u>2137</u>               | To<br><u>2138</u>           | Total Depth<br><u>2886</u>          | Shut In<br><u>6-15-66</u>  |
| Flow Through Casing<br><u>X</u>                |                             | Flow Through Tubing<br><u>-</u>     |                            |

|                                       |                                |                                    |                                              |                                            |                   |
|---------------------------------------|--------------------------------|------------------------------------|----------------------------------------------|--------------------------------------------|-------------------|
| Choke Size, Inches<br><u>12.365</u>   |                                | Choke Constant: C<br><u>12.365</u> |                                              | Completion<br><u>Tubingless Completion</u> |                   |
| Shut-in Pressure, Casing<br><u>58</u> | PSIG + 12 = PSIA<br><u>70</u>  | Days Shut-in<br><u>7</u>           | Shut-in Pressure, Tubing<br><u>No Tubing</u> | PSIG + 12 = PSIA<br><u>-</u>               |                   |
| Flowing Pressure: P<br><u>126</u>     | PSIG + 12 = PSIA<br><u>138</u> |                                    | Working Pressure: Pw<br><u>2138</u>          | PSIG + 12 = PSIA<br><u>308</u>             |                   |
| Temperature:<br>T = <u>85</u> °F      | Gr = <u>0.9933</u>             |                                    | Fpv (From Tables)<br><u>1.033</u>            | Gravity<br><u>.675</u>                     | Fg = <u>.9427</u> |

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

$$Q = (12.365) (518) (.9933) (.9427) (1.033) = \underline{3803} \text{ MCF/D}$$

$$\text{OPEN FLOW} = A_{of} = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^{.5}$$

$$A_{of} = \left( \frac{385,816}{196,812} \right)^{.5} = (3803) (1.8048)^{.85} = (3803) (1.8520)$$

NOTE: Well blew dry gas throughout the test.

$$A_{of} = \underline{5285} \text{ MCF/D}$$

TESTED BY Hermon E. McNallyBY Hermon E. McNallyCHECKED BY Hermon E. McNally

*Hermon E. McNally*  
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