

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE February 3, 1961

|                                                 |                             |                                    |                                 |
|-------------------------------------------------|-----------------------------|------------------------------------|---------------------------------|
| Operator<br><b>J. Glenn Turner</b>              |                             | Lease<br><b>Turner Osborn 1-22</b> |                                 |
| Location<br><b>900'W, 790'S, Sec. 22-30-12</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>7"</b>                   | Set At: Feet<br><b>3332</b> | Tubing: Diameter<br><b>2</b>       | Set At: Feet<br><b>3374</b>     |
| Pay Zone: From<br><b>3332</b>                   | To<br><b>3396</b>           | Total Depth:<br><b>3396</b>        | Shut In<br><b>1-30-61</b>       |
| Stimulation Method<br><b>Natural Completion</b> |                             | Flow Through Casing                | Flow Through Tubing<br><b>X</b> |

|                                               |                                    |                          |                                                        |
|-----------------------------------------------|------------------------------------|--------------------------|--------------------------------------------------------|
| Choke Size, Inches<br><b>0.750</b>            | Choke Constant: C<br><b>12.365</b> |                          |                                                        |
| Shut-In Pressure, Casing, PSIG<br><b>1368</b> | 12 PSIA                            | Days Shut-In<br><b>4</b> | Shut-In Pressure, Tubing, PSIG<br><b>1366</b>          |
| Flowing Pressure: P, PSIG<br><b>480</b>       | 12 PSIA                            |                          | Working Pressure: P <sub>w</sub> , PSIG<br><b>1007</b> |
| Temperature: T<br><b>71 F</b>                 | n                                  |                          | F <sub>pv</sub> (From Tables)<br><b>1.051</b>          |
| F <sub>t</sub> <b>.9896</b>                   | <b>.75</b>                         |                          | Gravity<br><b>.670</b> F <sub>g</sub> = <b>.9463</b>   |

CHOKE VOLUME  $Q = C \times P_c \times F_t \times F_g \times F_{pv}$ 

$$Q = (12.365)(492)(.9896)(.9463)(1.051)$$

5988

MCF/D

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

$$Aof \left( \frac{1,904,400}{866,039} \right)^n$$

$$5988 \times (2.1989)^{.75} = 5988 \times 1.8050$$

Aof 10,808 MCF/D

TESTED BY **T. B. Grant**WITNESSED BY **Virgil Stoabs**

*Lewis D. Galloway*  
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