

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE October 24, 1958

|                                               |                             |                                           |                             |
|-----------------------------------------------|-----------------------------|-------------------------------------------|-----------------------------|
| Operator<br><b>El Paso Natural Gas</b>        |                             | Lease<br><b>San Juan 30-4 Unit No. 28</b> |                             |
| Location<br><b>1700N, 890E; 31-30-4</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>7-5/8</b>               | Set At: Feet<br><b>4579</b> | Tubing Diameter<br><b>2"</b>              | Set At: Feet<br><b>6914</b> |
| Perforation From<br><b>6687</b>               | To<br><b>6865</b>           | Total Depth<br><b>6950</b>                | <b>Shut in 10/1/58</b>      |
| <b>6538</b>                                   | <b>6630</b>                 | Flow Through Casing                       |                             |
| Stimulation Method<br><b>Sand Water Frac.</b> |                             | Flow Through Tubing<br><b>X</b>           |                             |

|                                               |                                 |                                               |                        |
|-----------------------------------------------|---------------------------------|-----------------------------------------------|------------------------|
| Choke Size, inches<br><b>.75</b>              | Choke Constant<br><b>12.365</b> | <b>5-1/2 liner 4523 - 7002</b>                |                        |
| Shut-in Pressure, Casing, PSIG<br><b>1150</b> | PSIA<br><b>1162</b>             | Shut-in Pressure, Tubing, PSIG<br><b>1148</b> | PSIA<br><b>1160</b>    |
| Flowing Pressure, P, PSIG<br><b>197</b>       | PSIA<br><b>209</b>              | Working Pressure, Pw, PSIG<br><b>577</b>      | PSIA<br><b>589</b>     |
| Temperature, T, F<br><b>64</b>                | Gravity<br><b>.75</b>           | Sp. Gr. from Tables<br><b>1.020</b>           | Gravity<br><b>.650</b> |

$$Q = C \times P \times F_1 \times F_2 \times F_3$$

$$Q = 12.365 \times 209 \times .9962 \times .9608 \times 1.020$$

**2523**

MCF/D

$$Q = \left( \frac{P_1 - P_2}{P_1 - P_w} \right)^n$$

$$Q = \left( \frac{1350244}{1003323} \right)^n$$

$$1.3457^{.75} \times 2523 = 1.2492 \times 2523$$

3152

MCF/D

Frank Clark

Checked By H. L. Kendrick



*Lewis D. Galloway*  
L. D. Galloway

**OIL CONSERVATION COMMISSION**

**AZTEC DISTRICT OFFICE**

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