

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE **January 19, 1960**

|                                             |                            |                                |                                 |
|---------------------------------------------|----------------------------|--------------------------------|---------------------------------|
| Operator<br><b>El Paso Natural Gas</b>      |                            | Lease<br><b>Lodewick No. 9</b> |                                 |
| Location<br><b>990N, 1650W; 19-27-9</b>     |                            | County<br><b>San Juan</b>      | State<br><b>New Mexico</b>      |
| Formation<br><b>Dakota</b>                  |                            | Pool<br><b>Undesignated</b>    |                                 |
| Casing Diameter<br><b>5-1/2</b>             | Set At Feet<br><b>7057</b> | Tubing Diameter<br><b>2</b>    | Set At Feet<br><b>6891</b>      |
| Pay Zone Depth<br><b>6822</b>               | To<br><b>6944</b>          | Total Depth<br><b>7060</b>     | Shut In<br><b>1-5-60</b>        |
| Stimulation Method<br><b>Sand Oil Frac.</b> |                            | Flow Through Casing            | Flow Through Tubing<br><b>X</b> |

|                                      |                                         |                                        |                                      |
|--------------------------------------|-----------------------------------------|----------------------------------------|--------------------------------------|
| Choke Size, Inches<br><b>.75</b>     | Choke Constant<br><b>12.365</b>         | Static Pressure, Tubing<br><b>1905</b> | Static Pressure, Well<br><b>1917</b> |
| Working Pressure, Well<br><b>387</b> | Working Pressure, Tubing<br><b>1015</b> | Flow Through Casing<br><b>1.055</b>    | Flow Through Tubing<br><b>.8944</b>  |
| Temperature<br><b>69</b>             | Gravity<br><b>.750</b>                  |                                        |                                      |

$$Q = C \times R_1 \times F_1 \times F_2 \times F_3$$

$$Q = 12.365 \times 399 \times .9915 \times .8944 \times 1.055$$

4616

MCF/D

$$Q_{\text{act}} = \left( \frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$Q_{\text{act}} = \left( \frac{3674889}{2620160} \right)^n$$

$$1.4025^{.75} \times 4616 = 1.2885 \times 4616$$

5948

MCF/D



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