

# EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **October 20, 1958**

|                                                |                            |                                     |                            |
|------------------------------------------------|----------------------------|-------------------------------------|----------------------------|
| Operator<br><b>El Paso Natural Gas Company</b> |                            | Lease<br><b>Lindrith No. 27</b>     |                            |
| Location<br><b>990S, 990W; 8-24-2</b>          |                            | County<br><b>Rio Arriba</b>         | State<br><b>New Mexico</b> |
| Formation<br><b>Pictured Cliffs</b>            |                            | Pool<br><b>Undesignated</b>         |                            |
| Casing Diameter<br><b>5-1/2</b>                | Set At Feet<br><b>3390</b> | Tubing Diameter<br><b>1-1/4</b>     | Set At Feet<br><b>3319</b> |
| Perforation Depth<br><b>3325</b>               | <b>3340</b>                | Total Depth<br><b>3390 c/o 3345</b> | <b>Shut in 8/17/58</b>     |
| Stimulation Method<br><b>Sand Water Frac.</b>  |                            | Flow Through Casing<br><b>X</b>     | Flow Through Tubing        |

|                                           |                                            |                                              |                                               |
|-------------------------------------------|--------------------------------------------|----------------------------------------------|-----------------------------------------------|
| Grain Size, Inches<br><b>.75</b>          | Grain Size, Inches<br><b>12.365</b>        | Grain Size, Inches<br><b>.75</b>             | Grain Size, Inches<br><b>12.365</b>           |
| Shut-in Pressure, Gas, PSIG<br><b>995</b> | Shut-in Pressure, Gas, PSIA<br><b>1007</b> | Shut-in Pressure, Tubing, PSIG<br><b>995</b> | Shut-in Pressure, Tubing, PSIA<br><b>1007</b> |
| Flowing Pressure, Gas, PSIG<br><b>42</b>  | Flowing Pressure, Gas, PSIA<br><b>54</b>   | Flowing Pressure, Tubing, PSIG<br><b>44</b>  | Flowing Pressure, Tubing, PSIA<br><b>56</b>   |
| Temperature, F<br><b>59</b>               | Temperature, F<br><b>.85</b>               | Temperature, F<br><b>1.004</b>               | Temperature, F<br><b>.650</b>                 |

CHARGE VOLUME =  $C \times R \times L \times F_g \times F_v$

$$C = 12.365 \times 54 \times 1.0010 \times .9608 \times 1.004$$

645

MCF/D

$$Q = \left( \frac{C}{R} \right)^n$$

$$Q = \left( \frac{1014049}{1010913} \right)^n$$

$$(1.0031)^{.85} \times 645 = 1.0026 \times 645$$

Vol

647

MCF/D

Don Mortensen

Checked By

H. L. Kendrick

*Lewis D. Galloway*  
L. D. Galloway



|                                    |                    |   |
|------------------------------------|--------------------|---|
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