

# EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **July 11, 1961**

|                                                                 |                                                               |
|-----------------------------------------------------------------|---------------------------------------------------------------|
| Operator<br><b>El Paso Natural Gas Co.</b>                      | Lease<br><b>Jicarilla "C" No. 10</b>                          |
| Location<br><b>1650N, 1090W, 22-25N-4W</b>                      | County<br><b>Rio Arriba</b> State<br><b>New Mexico</b>        |
| Formation<br><b>Pictured Cliffs</b>                             | Pool<br><b>South Blanco PC</b>                                |
| Casing Diameter<br><b>2-7/8" OD</b> Set At: Feet<br><b>3475</b> | Tubing Diameter<br><b>No tbg.</b> Set At: Feet<br><b>-</b>    |
| Pay Zone Feet<br><b>3392</b> To<br><b>3416</b>                  | Total Depth<br><b>3475 c/o 3468</b> Shut In<br><b>6/19/61</b> |
| Formation Material<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> | Tubingless completion                |
| Shut-In Pressure, Casing, PSIG<br><b>999</b> | PSIA<br><b>1011</b>             | Days Shut-In<br><b>22</b>            |
| Flowing Pressure, PSIG<br><b>69</b>          | PSIA<br><b>81</b>               | No tubing                            |
| Temperature<br><b>57</b>                     | Calc.<br><b>1.009</b>           | Working Pressure, PSIG<br><b>104</b> |
| F <sub>1</sub> <b>1.0029</b>                 | F <sub>2</sub> <b>.85</b>       | Flowing Pressure, PSIG<br><b>104</b> |
|                                              |                                 | Gravity<br><b>.680</b>               |
|                                              |                                 | F <sub>g</sub> <b>.9393</b>          |

CHOKE VOLUME  $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$Q = 12.365 \times 81 \times 1.0029 \times .9393 \times 1.009$  **952** MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left( \frac{P_1}{P_2} \right)^n$$

$$A_{of} = \left( \frac{1022121}{1011305} \right)^n \quad 952 \times 1.0106^{.85} = 952 \times 1.0090$$

$A_{of} = 961$  MCF/D

D. Roberts

Calculated By

H. L. Kendrick

*Lewis D. Galloway*  
L. D. Galloway

