

# OPEN FLOW TEST DATA

DATE November 14, 1956

|                                                |                             |                                   |                             |
|------------------------------------------------|-----------------------------|-----------------------------------|-----------------------------|
| Operator<br><b>El Paso Natural Gas Company</b> |                             | Lease<br><b>San Juan 28-7 #45</b> |                             |
| Location<br><b>27-28-7</b>                     |                             | County<br><b>Rio Arriba</b>       | State<br><b>New Mexico</b>  |
| Formation<br><b>Mesaverde</b>                  |                             | Well<br><b>Blanco</b>             |                             |
| Casing Diameter<br><b>5 1/2</b>                | Set Air Feet<br><b>5095</b> | Tubing Diameter<br><b>2"</b>      | Set Air Feet<br><b>5039</b> |
| Flow Line Feet<br><b>4338</b>                  | <b>5055</b>                 | Flow Line Feet<br><b>5100</b>     | <b>c/o 5065</b>             |
| Flowing Method<br><b>Sand water frac</b>       |                             | Flow Through Tubing<br><b>X</b>   |                             |

|                                       |                                      |                                       |                                       |                                      |
|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|
| Choke Size, Inches<br><b>.750</b>     | Choke Constant, C<br><b>14.1605</b>  | Shut-in Pressure, PSIA<br><b>1039</b> | Flowing Pressure, PSIA<br><b>311</b>  | Temperature, °F<br><b>61</b>         |
| Shut-in Pressure, PSIA<br><b>1051</b> | Flowing Pressure, PSIA<br><b>323</b> | Temperature, °F<br><b>.75</b>         | Shut-in Pressure, PSIA<br><b>1038</b> | Flowing Pressure, PSIA<br><b>769</b> |
| Gravity<br><b>1.038</b>               | Gravity<br><b>.714</b>               |                                       |                                       |                                      |

CHOKE VOLUME  $C \times R \times H \times F_1 \times F_2$

$$C \quad 14.1605 \times 323 \times .9990 \times .9193 \times 1.038$$

4360

MCFD

OPEN FLOW  $A \left( \frac{P_1^2 - P_2^2}{P_1^2} \right)^n$

$$\left( \frac{1104601}{494640} \right)^n$$

$$(2.2331)^{.75} \times 4360 = 1.827 \times 4360$$

7966

K. C. McBride



L. D. Galloway

# OIL CONSERVATION COMMISSION

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