

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **December 10, 1959**

Operator El Paso Natural Gas	Lease Federal 10-1-C
Location 1700N, 1840E; 10-25-2	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool Gavilan
Casing Diameter 5-1/2 Set At Feet 3722	Tubing Diameter 1-1/4 Set At Feet 3633
Key Valve Size 3608 In. 3654	Total Depth c/o 3688 Shot In 12/3/59
Flow Through Casing Sand Water Frac.	Flow Through Tubing X

Drainage Area .75	Drainage Factor 12.365
Initial Pressure, PSIG 951 PSIA 963 Days Shut In 7	Shut-In Pressure, Tubing 952 PSIG 964
Working Pressure, PSIG 132 PSIA 144	Working Pressure, Pw 175 PSIA 187
Specific Gravity 53 1.0068 .85	Factor From Tables 1.015 Gravity .670 Fg .9463

$$Q = C \times P_i \times F_i \times F_g \times F_v$$

$$Q = 12.365 \times 144 \times 1.0068 \times .9463 \times 1.015$$

1722

MCF/D

$$Q = \left(\frac{P_i^2 - P_w^2}{P_i^2 - P_w^2} \right)^n$$

$$Q = \left(\frac{929296}{894327} \right)^n$$

$$1.0391^{.85} \times 1722 = 1.0331 \times 1722$$

1779

MCF/D

Frank M. Clark

Checked By **H. L. Kendrick**

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