

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **November 23, 1959**

Operator El Paso Natural Gas		Lease Federal 24-1-C	
Location 1730N, 1650E; 24-25-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Gavilan	
Casing: Diameter, 5-1/2	Set At: Feet 3640	Tubing: Diameter: 1-1/4	Set At: Feet 3581
Pay Zone: From 3546	To 3586	Total Depth: c/o 3612	Shut In: 11/16/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 868	- 12 - PSIA 880	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 870
Flowing Pressure: P PSIG 107	- 12 - PSIA 119		Working Pressure: Pw PSIG 114
Temperature: T 52			Gravity .695

CHOKE VOLUME: $Q = C \times P_r \times F_v \times F_g \times F_{pr}$

$$Q = 12.365 \times 119 \times 1.0078 \times .9292 \times 1.013 = 1396 \text{ MCF/D}$$

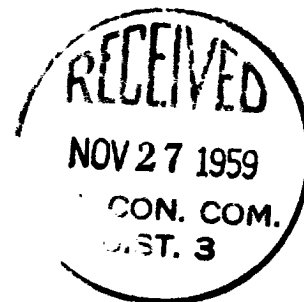
$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_r^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{777924}{762048} \right)^n \quad 1396 \times 1.0208^{.85} = 1396 \times 1.0177$$

$$A_{of} = 1421 \text{ MCF/D}$$

TESTED BY **S. V. Roberts**

WITNESSED BY



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