

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **December 18, 1958**

Operator El Paso Natural Gas		Lease Jicarilla 4-D	
Location 16508, 1775E; 29-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 3216	Tubing: Diameter 1 1/4" c/o 3174	Set At: Feet 3159
Pay Zone: From 3102	To 3164	Total Depth: 3215 c/o 3174	Shut in 12/6/58
Stimulation Method Sand Water Frec.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 976	12 = PSIA 988	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 976
Flowing Pressure: P, PSIG 195	12 = PSIA 207		Working Pressure: Pw, PSIG 200
Temperature: T, F 62			Gravity .718
	.85		1.024

CHOKE VOLUME - $Q = C \times P_r \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 207 \times .9981 \times .9161 \times 1.024 = 2397 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{976144}{931200} \right)^n$$

$$1.0482 (2397) = 1.0408 (2397)$$

$$A_{of} = 2495 \text{ MCF/D}$$

TESTED BY **M. W. Rischard**WITNESSED BY **Virgil Steaks**

Lewis D. Galloway
L. D. Galloway

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