

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **June 18, 1957**

Operator El Paso Natural Gas Company		Lease Klein No. 1-A	
Location 620'N, 1400'E, Sec. 31-26-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 5 1/2	Set At: Feet 2425	Tubing Diameter 1 1/4	Set At: Feet 2328
Pay Zone: From 2300	To 2344	Total Depth 2430 - c/o 2360	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, in. 0.75	Choke Constant: C 12.365	Shut-in Pressure, Casing 833	PSIG	PSIA	Days Shut-in	Shut-in Pressure, Tubing 833	PSIG	PSIA
Flowing Pressure, P 209	PSIG	PSIA				Working Pressure: Pw 213	PSIG	PSIA
Temperature: T 70	F					Flow From Tables 1.021		Gravity .660

$$\text{CHOKE VOLUME } Q = C \times P_r \times F_v \times F_g \times F_p$$

$$Q = 12.365 \times 221 \times .9905 \times .9535 \times 1.021$$

2635

MCF/D

$$\text{OPEN FLOW } AOF = Q \left(\frac{P_r^n}{P_w^n - P_r^n} \right)^{1/n}$$

$$Aof = \left(\frac{714,025}{663,400} \right)^{1/n}$$

$$1.0763^{.85} \times 2635 = 1.0645 \times 2635$$

$$Aof = 2805$$

MCF/D

R. A. Ullrich



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