

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **May 25, 1960**

Operator El Paso Natural Gas		Lease Canyon Largo Unit No. 102	
Location 990N, 1650W; 32-25-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Canyon Largo	
Casing: Diameter 2-1/2	Set At: Feet 2700	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2562	To 2574	Total Depth: 2701 c/o 2687	Shut In 4/30/60
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 631	PSIA 643	Days Shut-In 25	Shut-In Pressure, Tubing, PSIG 2763
Flowing Pressure: P, PSIG 218	PSIA 230	Working Pressure: Pw, PSIG Calc.	PSIA 284
Temperature, T 60	F 1.0000	Fpv (From Tables) 1.023	Gravity, Fg .667
	.85		.9498

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

$$Q = 12.365 \times 230 \times 1.0000 \times .9498 \times 1.023 = 2763 \text{ MCF/D}$$

OPEN FLOW Aof $Q \left(\frac{P_r^2 - P_c^2}{P_c^2 - P_w^2} \right)^n$

$$\text{Aof} = \left(\frac{413449}{332793} \right)^n \quad 1.2423^{.85} \times 2763 = 1.2025 \times 2763$$

$$\text{Aof} = 3323 \text{ MCF/D}$$

TESTED BY **W. D. Dawson**

WITNESSED BY



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