

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **May 13, 1960**

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit No. 97	
Location 990N, 990E; 2-24-7		County Rio Arriba	State New Mexico
Formation Matured Cliffs		Pool Canyon Largo	
Casing Diameter 2-1/2	Set At Feet 2579	Tubing Diameter No tubing	Set At Feet
Pay Zone: From 2455	To 2488	Total Depth c/o 2577	Shut In 4/13/60
Stimulation Method Sand Water Prac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 630	12 PSIA 642	Days Shut-In 30	Shut-In Pressure, Tubing, PSIG -
Flowing Pressure: P, PSIG 31	12 PSIA 43	Working Pressure: Pw, PSIG Calc. 52	
Temperature: T, °F 55	F, 1.0048 .85	Fpv (From Tables) 1.004	Gravity .650^g .9608

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 43 \times 1.0048 \times .9608 \times 1.004$$

515

MCF/D

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

$$Aof = \left(\frac{412164}{409460} \right)^n$$

$$1.0066^{.85} \times 515 = 1.0056 \times 515$$

Aof

518

MCF/D

TESTED BY **Frank Clark**

WITNESSED BY

Checked By **T. B. Grant**

Lewis D. Galloway
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