

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 24, 1962

Operator El Paso Natural Gas Company	Lease San Juan Unit 27-5 No. 82
Location 1450'S, 1450'W, Sec. 6, T-27-N, R-5-W	County Rio Arriba
Formation Dakota	State New Mexico
Casing: Diameter 4.5	Set At: Feet 7815
Pay Zone: From 7528	To 7780
Stimulation Method Sand Water Frac.	Flow Through Casing X
	Pool Basin
	Tubing: Diameter 2.375
	Set At: Feet 7731
	Total Depth: 7815
	Shut In 8-11-62
	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant: C 12.365
Shut-In Pressure, Casing, PSIG 2410	PSIA 2422
Flowing Pressure: P, PSIG 320	PSIA 332
Temperature: T 80	F 281.3
	Days Shut-In 13
	Shut-In Pressure, Tubing, PSIG 2342
	PSIA 2354
	Working Pressure: P _w , PSIG 1152
	PSIA 1164
	Fpv (From Tables) 1.031
	Gravity .670
	F _g - .9463

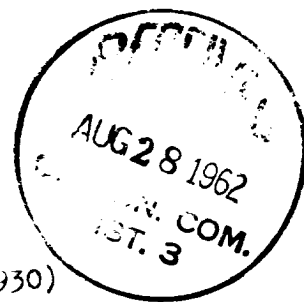
CHOKE VOLUME $Q = C \times P_c \times F_p \times F_g \times F_{pv}$

$$Q = (12.365)(332)(.9813)(.9463)(1.031) = 3330 \text{ MCF D}$$

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

Aof $\left(\frac{5,366,084}{4,511,133} \right)^n$

$$(1.3003)^{.75} (3330) = (1.2180)(3330)$$



NOTE: Heavy spray of water throughout test.

Aof **4737** MCF D

TESTED BY H. E. M. Anally

WITNESSED BY _____

Checked by T. B. Grant

Lewis D. Galloway
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