

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

ILLEGIBLE

DATE **August 29, 1961**

Operator El Paso Natural Gas Company		Lease Sellers "A" No. 4	
Location 1750'S, 1090'W, Sec. 30-30N-10W		County San Juan	State New Mexico
Formation Dakota		Basin Basin	
Casing: Diameter 4-1/2" O.D.	Set At: Feet 7121	Tubing: Diameter 2-3/8" O.D.	Set At: Feet 6921
Pay Zone: From 6840	To 6930	Total Depth: 7121 c/o 6955	Shut In 8-20-61
Stimulation Method Sand/Water Frac.		Flow Through Casing X	

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2102	PSIG - 12 PSIA 2114	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 2114
Flowing Pressure: P, PSIG 218	PSIG - 12 PSIA 230	Working Pressure: P _w , PSIG 733	PSIG - 12 PSIA 745
Temperature: T, °F 79	F _t , .9822 .75	F _{pv} (From Tables) 1.018	Gravity 0.638
		F _g , .9721 .9721	

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

$$Q = (12.365)(230)(.9822)(.9721)(1.018)$$

2764

MCF/D

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

$$Aof = \left(\frac{4,519,876}{3,964,851} \right)^n (1.1399)^{.75} (2764) = (1.1030)(2764)$$

Aof

3049

MCF/D

TESTED BY **Jesse B. Goodwin**

WITNESSED BY

Checked by: **R. L. Nickell, Jr.**

Lewis D. Galloway
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