

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **January 13, 1960**

Operator El Paso Natural Gas		Lease Jicarilla No. 14-B	
Location 1090N, 1650W; 33-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5-1/2	Set At: Feet 3117	Tubing Diameter 2	Set At: Feet 2999
Pay Zone: From 3019	To 3089	Total Depth c/o 3090	Shut In 1-1-60
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .75	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 900	PSIA 912	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 900
			PSIA 912
Flowing Pressure: F, PSIG 112	PSIA 124		Working Pressure: Pw, PSIG 134
			PSIA 146
Temperature 56 F	1.0039		Fpv (From Tables) 1.011
	.85		Gravity .650
			Fg .9608

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

$$Q = 12.365 \times 12^4 \times 1.0039 \times .9608 \times 1.011$$

1495

MCF/D

OPEN FLOW $A_{of} = Q \left(\frac{P_r^2}{P_w^2} \right)^n$

$$A_{of} = \left(\frac{831744}{810428} \right)^n$$

$$1.0263^{.85} \times 1495 = 1.0223 \times 1495$$

A_{of} 1528

MCF/D

AD BY **Frank Clark**

WITNESSED BY

Checked By W. D. Dawson



Lewis D Galloway
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