

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 14, 1962

Operator El Paso Natural Gas Company		Lease Renter No. 2	
Location 1450'S, 790'W, Sec. 34, T-27N, R-6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4.500	Set At: Feet 7539	Tubing Diameter 2 3/8	Set At: Feet 7443
Perforations From 7238	To 7424	Total Depth 7540 C/O 7470	Shut In 6-1-62
Stimulation Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, Inches .750	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 2469	PSIG + 12 = PSIA 2481	Days Shut-In 13	Shut-In Pressure, Tubing, PSIG 2468
Flowing Pressure: P 419	PSIG + 12 = PSIA 431		Working Pressure: P _w , PSIG 1225
Temperature: T 81	F ₁ .9804		F _{pv} (From Tables) 1.035
	.75		Gravity .645
			F _g .9645

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

$$Q = (12.365)(431)(.9804)(.9645)(1.035)$$

5216

MCF/D

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

NOTE: **Blew fair mist of water and distillate throughout test.**

$$Aof \left(\frac{6155361}{4625192} \right)^n = (5216)(1.3308)^{.78} = (5216)(1.2392)$$

Aof **6464** MCF/D



TESTED BY **D. E. Mortensen**

WITNESSED BY **W. D. Dawson**

Lewis D. Galloway
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