

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **September 29, 1960**

Operator	El Paso Natural Gas Company		Lease	Bloomfield No. 1	
Location	1140'N, 990'E, 17-29N-11W		County	San Juan	
Formation	Dakota		State	New Mexico	
Casing: Diameter	5-1/2"	Set At Feet	Pool	Undesignated	
Pay Zone: From	6245	To	Tubing: Diameter	2"	
Stimulation Method	Sand/Water Frac.		Total Depth	6550 c/o 6490	
			Shut In	9-14-60	
			Flow Through Tubing	X	

Choke Size, Inches	.75	Choke Constant, C	12.365
Shut-In Pressure, Casing, PSIG	2002	Shut-In Pressure, Tubing, PSIG	2001
Flowing Pressure: P, PSIG	501	Working Pressure: Pw, PSIG	1102
Temperature: T, F	83	Gravity	.650
	.9786	F _g	.9608
	.75		

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

$$Q = (12.365)(513)(.9786)(.9608)(1.047)$$

6244

MCF D

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

Unloaded Slug Blow
Heavy Spray Entire
Blow Period

$$Aof = \left(\frac{4056196}{2815200} \right)^n (1.4408)^{.75} (6244) = (1.3150)(6244)$$

Aof **8211**

MCF D

TESTED BY **Frank Clark**

WITNESSED BY:

Lewis D. Galloway
L. D. Galloway

