

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 9, 1956

Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit # 17	
Location 990'S, 990'W, Sec. 29-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Rock Blanco	
Casing: Diameter 5½	Set At: Feet 5475	Tubing: Diameter 2	Set At: Feet 5431
Pay Zone: From 5294	To 5387	Total Depth: 5475 - c/o - 5440	
Stimulation Method Sand Water Frac		Flow Through Casing Flow Through Tubing	

Choke Size, Inches .750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1096	PSIA 1108	Days Shut-In 15	Shut-In Pressure, Tubing PSIG 1068
Flowing Pressure: P PSIG 377	PSIA 389		Working Pressure: Pw PSIG 861
Temperature: T 64	F .75		Gravity .680
			Eqv. From Tables 1.044

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = 14.1605 \times 389 \times .9962 \times .9393 \times 1.044 \times 5381 \text{ MCF/D}$$

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

$$11,123 \left(\frac{1227664}{165535} \right)^{.75} \times 5381 = 2.067 \times 5381$$

Aof **11,123** MCF/DTESTED BY **K. C. McBride**

WITNESSED BY

L. D. Galloway
L. D. Galloway

