

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **November 17, 1959**

Operator El Paso Natural Gas Company		Lease San Juan 32-8 No. 31-22	
Location 1850S, 1190W; 22-32-8		County San Juan	State New Mexico
Fracture Mesa Verde		Pool Blanco	
Casing Diameter 5-1/2	Set At Feet 6392	Tubing Diameter 2	Set At Feet 6222
Pay Zone From 6094	To 6226	Total Depth 6392	Shut In: 11/6/59
Fracturing Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant C 12.365	5-1/2 liner 3988 - 6392
Shut-in Pressure, Gas 1061	PSIG 12 PSIA 1073	Shut-in Pressure, Tubing 1062
Flowing Pressure, P 131	PSIG 12 PSIA 143	Working Pressure, Pw 520
Temperature, T 63	F .75	Gravity .620
		Flow Through Tubing 1.012

CHOKE VOLUME $Q_c = C \times P_1 \times E \times F_g \times F_v$

$$C = 12.365 \times 143 \times .9971 \times .9837 \times 1.012$$

1755

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2 - P_a^2}{P_1^2 - P_a^2} \right)^n$$

$$A_{of} = \left(\frac{1153476}{870452} \right)^n$$

$$1.3251^{.73} \times 1755 = 1.2352 \times 1755$$

$$A_{of} = 2168 \text{ MCF/D}$$

TESTED BY **W. D. Dawson**

WITNESSED BY

Lewis D. Galloway
L. D. Galloway

