

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE January 5, 1960

Operator El Paso Natural Gas Company		Lease Day 5-B	
Location 550N, 650E; 7-27-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 4445	Tubing: Diameter 2	Set At: Feet 4682
Pay Zone: From 4550	To 4688	Total Depth: 4783	Shut In 12/26/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365		5-1/2" liner 4639 - 4790	
Shut-In Pressure, Casing, PSIG 1027	12 - PSIA 1039	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG 1027	12 - PSIA 1039	
Flowing Pressure: P, PSIG 385	12 - PSIA 397		Working Pressure: P _w , PSIG 827	12 - PSIA 839	
Temperature: T 69 °F	n Fr .9915		F _{pv} (From Tables) 1.046	Gravity .707	F _g .9225

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

$$Q = 12.365 \times 397 \times .9915 \times .9225 \times 1.046 = 4697 \text{ MCF/D}$$

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

$$\text{Aof} = \left(\frac{1079521}{375600} \right)^n \quad 2.8741^{.75} \times 4697 = 2.2080 \times 4697$$

$$\text{Aof} = 10371 \text{ MCF/D}$$

TESTED BY D. Mortensen

WITNESSED BY

Checked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway