

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 2, 1960

Operator El Paso Natural Gas Company		Lease San Juan 30-5 No. 31-27	
Location 18408, 1090W; 27-30-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At: Feet 3657	Tubing Diameter 2"	Set At: Feet 5844
Pay Zone: From 5584	To 5832	Total Depth: 5890 c/o 5850	Shut In 5/22/60
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 from 3575 to 5882	
Shut-In Pressure, Casing, PSIG 1173	PSIA 1185	Days Shut-in 11	Shut-In Pressure, Tubing, PSIG 968	PSIA 980	
Flowing Pressure: P (Tbg.) PSIG 163	PSIA 175		Working Pressure: Pw (Csg) PSIG 487	PSIA 499	
Temperature: T 64	F .9962		Fpv (From Tables) 1.012	Gravity .578	Fg 1.021

CHOKE VOLUME : Q C x P_f x F_f x F_g x F_{pv}

$$Q = 12.365 \times 175 \times .9962 \times 1.021 \times 1.012$$

2227

MCF/D

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

$$Aof \left(\frac{1404225}{1155224} \right)^n = 1.2155^{.75} \times 2227 = 1.1575 \times 2227$$

Aof 2578 MCF/D

TESTED BY **W. D. Dawson**

WITNESSED BY



Lewis D. Galloway
L. D. Galloway

MISSION
OFFICE

5

IN

WAS CENTER

OIL
DAS

W. MAJOR