

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 29, 1961

Operator El Paso Natural Gas Company		Lease San Juan 27-5 No. 66	
Location 1090'S, 990'W, Sec. 27-27N-5W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7" O.D.	Set At: Feet 3465	Tubing: Diameter 1-1/4" O.D.	Set At: Feet 5429
Pay Zone: From 5222	To 5510	Total Depth: 5565 C/O 5528	Shut In 8-9-61
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		4-1/2" Liner from 3387 to 5563	
Shut-In Pressure, Casing, 1150	PSIG - 12 PSIA	Days Shut-In 20	Shut-In Pressure, Tubing 1152	PSIG - 12 PSIA	1164
Flowing Pressure: P 278	PSIG - 12 PSIA		Working Pressure: P _w 335	PSIG - 12 PSIA	347
Temperature: 62 °F	n =		F _{pv} (From Tables) 1.028	Gravity .650	F _g = .9608

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

$$Q = (12.365)(290)(.9981)(1.028)(.9608)$$

3535

MCF/D

$$\text{OPEN FLOW } A_{of} \quad Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} \left(\frac{1,354,896}{1,234,487} \right)^n = (1.0975)^{.75} (3535) = (1.0723)(3535)$$

A_{of} : **3791** MCF/DTESTED BY R. F. Headrick

WITNESSED BY

Checked by: R. L. Nickell, Jr.

Lewis D. Galloway
L. D. Galloway

