

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **March 26, 1957**

Operator El Paso Natural Gas Company		San Juan 28-7 Unit # 77	
Location 800'S, 1460'W, Sec. 32-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Blanco	
Casing Diameter 5½	Set At Feet 5636	Tubing Diameter 2	Set At Feet 5555
Pay Zone From 5376	To 5598	Total Depth 5640 - c/o - 5610	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, inches 0.750	Choke Coefficient, C 14.1605		
Shut-In Pressure, Casing 1004 PSIG	12 PSIA 1016	Days Shut-In	Shut-In Pressure, Tubing 1010 PSIG
12 PSIA 198	12 PSIA 210		Working Pressure, P _w 501 PSIG
Temperature, F 61	Flowing Pressure, P _f 0.750		Sp. Gr. From Tables 1.021
			Gravity 0.670

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

$$Q = 14.1605 \times 210 \times .9463 \times .999 \times 1.021$$

2870

MCF/D

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

$$Aof = \left(\frac{1,044,484}{781,315} \right)^n \times 1.3368^{.75} \times 2870 = 1.243 \times 2870$$

$$Aof = 3567 \text{ MCF/D}$$

TESTED BY **Tom Grant**

WITNESSED BY



L. D. Galloway
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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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