

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 14, 1957

Operator El Paso Natural Gas		Lease Jicarilla No. 5-H	
Location 990'N, 1090'W, Sec. 6-24-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 3030	Tubing: Diameter 1 1/4	Set At: Feet 2955
Pay Zone: From 2916	To 2954	Total Depth: 3200 - c/o - 2975	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365	
Shut-in Pressure, Casing, PSIG 865	12 - PSIA 877	Days Shut-in 8	Shut-in Pressure, Tubing, PSIG 866
Flowing Pressure: P, PSIG 52	12 - PSIA 64		Working Pressure: Pw, PSIG 66
Temperature: T 61	F .85		Flow Through Tables 1.009
			Gravity .660

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

$$Q = 12.365 \times 64 \times .9990 \times .9535 \times 1.009$$

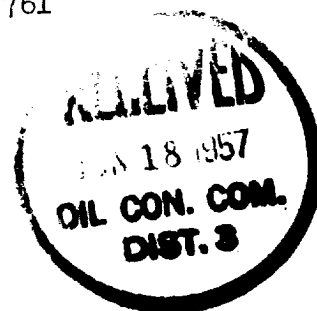
761

MCF/D

$$\text{OPEN FLOW } Aof = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$Aof = \left(\frac{770,884}{764,800} \right)^n \cdot 1.0079^{.85} \times 761 = 1.0067 \times 761$$

$$Aof = 766 \text{ MCF/D}$$



TESTED BY R. A. Ullrich

WITNESSED BY Virgil Stoabs (J. Glenn Turner)

cc: Virgil Stoabs (4)

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OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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