

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 17, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla # 3-H	
Location 990'S, 1090'E, Sec. 5-24-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool	
Casing: Diameter 5½	Set At: Feet 2907	Tubing: Diameter 1¼	Set At: Feet 2829
Pay Zone: From 2790	To 2830	Total Depth 2907	
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 917	12 - PSIA 929	Days Shut-In 19	Shut-In Pressure, Tubing PSIG 917
Flowing Pressure: P PSIG 58	12 - PSIA 70		Working Pressure: Pw PSIG 60
Temperature: T °F 62	n .85		Flow From Tables Gravity 1.009
			.670

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = 12.365 \times 70 \times .9981 \times .9463 \times 1.009$$

825

MCF/D

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

$$Aof = \left(\frac{863,041}{857,857} \right)^n (1.0060)^{.85} \times 825 = 1.0051 \times 825$$

$$Aof = 829 \text{ MCF/D}$$

TESTED BY **R. A. Ullrich**WITNESSED BY **Virgil Stoabs (J. Glenn Turner) cc: (4)**

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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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