

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 18, 1957

Operator El Paso Natural Gas Company		Lease Klein No. 4	
Location 1824'S, 1778'W, Sec. 33-26-6		County Rio Arriba	State New Mexico
Fracture Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 3005	Tubing: Diameter 1 1/4	Set At: Feet 2892
Pay Zone: From 2866	To 2922	Total Depth 3010 - c/o 2940	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		
Shut-In Pressure, Gas 829	PSIG 841	Days Shut-In 10	Shut-In Pressure, Tubing 829
Flowing Pressure: P 425	PSIG 437		Working Pressure: P _w 436
Temperature: T 70	°F .85		Fpv (From Tables) 1.043
			Gravity .660

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

$$Q = 12.365 \times 437 \times .9905 \times .9535 \times 1.043$$

5323

MCF/D

OPEN FLOW

$$AOF = \left(\frac{P_r^2 - P_w^2}{P_c - P_w} \right)^n$$

$$AOF = \left(\frac{707,281 - 506,577}{707,281 - 506,577} \right)^n$$

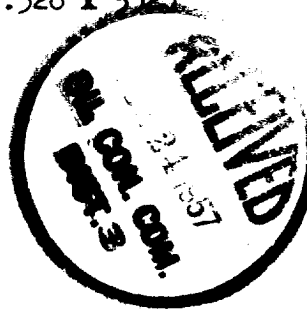
$$1.3961^{.85} \times 5323 = 1.328 \times 5323$$

AOF

7069

MCF/D

K. C. McBride



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