

OPEN FLOW TEST DATA

DATE May 29, 1957

Operator El Paso Natural Gas Company		Lease Michener No. 1-B	
Location 2113'N, 1884'W, Sec. 33-28-9		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 5 1/2	Set At: Feet 3072	Tubing Diameter 1 1/4	Set At: Feet 3015
Pay Zone: From 2983	To 3038	Total Depth: 3075 c/o 3050	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant, C 14.1605		
Shut-in Pressure, Casing, PSIG 696	12 = PSIA 708	Days Shut-in 6	Shut-in Pressure, Tubing, PSIG 696
Flowing Pressure, P, PSIG 199	12 = PSIA 211		Working Pressure, P _w , PSIG 234
Temperature, T, F 69	F .85		F _{pv} (From Tables) 1.018
			Gravity .630

CHOKE VOLUME = Q = C x P_c x F_c x F_g x F_{pv}

$$Q = 14.1605 \times 211 \times .9915 \times .9759 \times 1.018 = 2943 \text{ MCF/D}$$

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

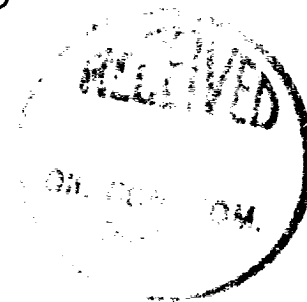
$$Aof \left(\frac{501,264}{440,748} \right)^{.85} = 1.1373 \times 2943 = 1.1158 \times 2943$$

$$Aof = 3284 \text{ MCF/D}$$

TESTED BY **K. C. McBride**

WITNESSED BY _____

L. D. Galloway
L. D. Galloway



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