

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **July 30, 1956**

Operator El Paso Natural Gas Company		Lease San Juan 28-6 # 56	
Location 1090'S, 990'W, Sec. 11-28-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 5½	Set At Feet 5673	Tubing Diameter 2"	Set At Feet 5555
Pay Zone: From 5016	To 5546	Total Depth: 5667' - c/o - 5570	
Stimulation Method: Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .750	Choke Constant: C 14.1605			
Shut-In Pressure, Casing, PSIG 1057	12 PSIA 1069	Days Shut-in 9	Shut-in Pressure, Tubing, PSIG 1049	12 PSIA 1061
Flowing Pressure: P, PSIG 388	12 PSIA 400		Working Pressure: P _w , PSIG 888	12 PSIA 900
Temperature: T 71	F .75		Env (From Tables) 1.040	Gravity .674

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$

$$C \quad 14.1605 \times 400 \times .9896 \times .9463 \times 1.040 \quad 5516 \quad \text{MCF/D}$$

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

$$Aof = \left(\frac{1,142,761}{332,761} \right)^n \times (3.434)^{.75} (Q) = 2.52 \times 5516$$

$$Aof \quad 13,900 \quad \text{MCF/D}$$

K. C. McBride



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