

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **August 18, 1958**

Operator El Paso Natural Gas		Lease Abraham 3-B	
Location 1180S, 1800W; 15-30-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco MV	
Casing Diameter 7-5/8	Set At: Feet 3399	Tubing Diameter 2"	Set At: Feet 5581
Pay Zone: From 5188	To 5580	Total Depth: 5677 c/o 5627	Shut-in 6/26/58
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2 liner 3343 - 5674	
Shut-In Pressure: Casing, PSIG 1064	PSIG - 12 = PSIA 1076	Days Shut-in 53	Shut-In Pressure: Tubing, PSIG 1071
Flowing Pressure: P 307	PSIG - 12 = PSIA 319	Working Pressure: P _w 794	PSIG - 12 = PSIA 806
Temperature: T 74	F .75	F _{pv} (From Tables) 1.021	Gravity .579

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

$$Q = 12.365 \times 319 \times .9868 \times 1.021 \times 1.021$$

4058

MCF/D

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

$$Aof = \left(\frac{1172889}{523253} \right)^n (2.2415)^{.75} (4058) = (1.8320)(4058)$$

Aof **7434** MCF/DPREPARED BY **S. V. Roberts**WITNESSED BY **D. K. Bryant**

Lewis D. Galloway
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