

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 21, 1958

Operator Alfred E. McLane		Lease Hall No. 1	
Location 990S, 1650W; 28-25-3		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 3665	Tubing: Diameter 1-1/4	Set At: Feet 3600
Pay Zone: From 3548	To 3588	Total Depth: 3666 c/o 3628	Shut-in 4/7/58
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1064	PSIA 1076	Days Shut-In 14	Shut-In Pressure, Tubing, PSIG 1064
Flowing Pressure, P 13	PSIA 25	Working Pressure: P _w 14	PSIA 26
Temperature T 60	F .85	F _{pv} (From Tables) 1.004	Gravity .665

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

$$Q = (12.365) (25) (1.000) (.9498) (1.004) = 295 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1157776}{1157100} \right)^n = (1.0005)^{.85} (295) = (1.0004) (295)$$

$$A_{of} = 295 \text{ MCF/D}$$

TESTED BY **S. V. Roberts**WITNESSED BY **Virgil Stoabs (B.M.G.)**

Lewis D. Galloway
L. D. Galloway

INVESTIGATION COM-
MUNIST DISTRICT OFFICE

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