

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **April 7, 1960**

Operator El Paso Natural Gas		Lease Canyon Largo Unit No. 99	
Location 890B, 1140W; 36-25-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2-1/2	Set At: Feet 2376	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2326	To 2320	Total Depth: 2386 c/o 2350	Shut In 3/29/60
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 619	PSIA 631	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG No tubing.
Flowing Pressure: P, PSIG 192	PSIA 204	Working Pressure: P _w , PSIG Calc. 248	
Temperature: T, °F 57	F _r 1.0029	F _{pv} (From Tables) 1.021	Gravity .650
	.85		F _g = .9608

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

$$Q = 12.365 \times 204 \times 1.0029 \times .9608 \times 1.021 = 2482 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{398161}{336657} \right)^n \quad 1.1826^{.85} \times 2482 = 1.1530 \times 2482$$

$$A_{of} = 2862 \text{ MCF/D}$$

TESTED BY **Jesse B. Goodwin**

WITNESSED BY

Checked By **H. L. Kendrick**

Lewis D. Galloway
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