

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 13, 1972

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit No. 172	
Location 910 1/s- 1665 1/w, S27, T 25N, R 7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2757	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2640	To 2695	Total Depth: 2757	Shut In 1-6-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 430	PSIG	+ 12 = PSIA 442	Days Shut-In 7	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA
Flowing Pressure: P 12	PSIG	+ 12 = PSIA 24		Working Pressure: Pw Calculated	PSIG + 12 = PSIA 30
Temperature: T=53 °F		n = 0.85		Fpv (From Tables) 1.004	Gravity 0.700 Fg = 0.9258

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(24)(1.0068)(0.9258)(1.004) = \underline{278} \text{ MCF/D}$$

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

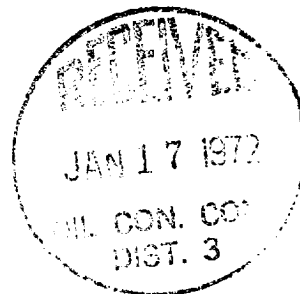
Note: The well produced a light spray of water and distillate throughout the test.

$$Aof = \left(\frac{195364}{194464} \right)^n = (278)(1.0046)^{.85} = (278)(1.0039)$$

$$Aof = \underline{279} \text{ MCF/D}$$

TESTED BY Dannie Roberts

WITNESSED BY _____



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