

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE April 10, 1958

Operator EL PASO NATURAL GAS COMPANY		Lease Bolack No. 1-F	
Location 1650S, 1728W, 1-30-12		County San Juan	State New Mexico
Formation Fruitland		Pool Undesignated	
Casing: Diameter 5-1/2"	Set At: Feet 2210	Tubing: Diameter 1-1/4"	Set At: Feet 1850'
Pay Zone: From Ft. - 1822'	To 1844'	Total Depth: 2221' c/o to 2192'	Tbg. set 3-31-58
Stimulation Method: Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing 616	PSIG - 12 - PSIA 628	Days Shut-In 10	Shut-In Pressure, Tubing 616
Flowing Pressure: P 303	PSIG - 12 - PSIA 315		Working Pressure: P _w 309
Temperature: T 66	F - 12 - F .85		F _{pv} From Tables: 1.031
			Gravity .660

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

$$Q = 12.365 \times 315 \times .9943 \times .9535 \times 1.031 = 3807 \text{ MCF/D}$$

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

$$Aof = \left(\frac{394384}{291343} \right)^n$$

$$1.3536^{.85} \times 3807 = 1.293 \times 3807$$

$$Aof = 4922 \text{ MCF/D}$$

TESTED BY F. M. Clark

WITNESSED BY _____

Checked By: S. V. Roberts

Lewis D. Galloway
L. D. Galloway



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