

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **December 4, 1962**

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 168	
Location 1190'N, 1190'E, Sec. 36-27-7		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7547	Tubing: Diameter 2.375	Set At: Feet 7426
Pay Zone: From 7262	To 7462	Total Depth: 7548 c/o 7480	Shut In 11-19-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2477	PSIA 2489	Days Shut-In 15	Shut-In Pressure, Tubing, PSIG 2550
Flowing Pressure: P, PSIG 399	PSIA 411	Working Pressure: Pw, PSIG 1108	PSIA 1120
Temperature: T, °F 78	Fr .9831	Fpv (From Tables) 1.041	Gravity .680
	Fg .75		Fg = .9393

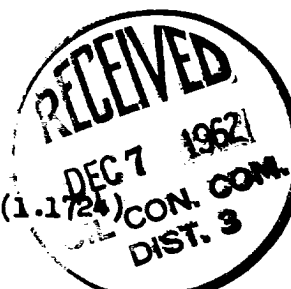
CHOKE VOLUME $Q = C \times P_1 \times F \times F_g \times F_{pv}$

$$Q = (12.365)(411)(.9831)(.9393)(1.041) = 4885 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{6,563,844}{5,309,444} \right)^n$$

$$(4885)(1.2362)^{.75} = (4885)(1.1724)$$



NOTE: Blew heavy fog of water and distillate throughout entire test.

$$A_{of} = 5727 \text{ MCF/D}$$

TESTED BY **W. D. Dawson**

WITNESSED BY

Checked by **H. L. Kendrick**

Lewis D. Galloway
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