

**EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA**

DATE **September 8, 1961**

Operator: El Paso Natural Gas Company		Lease: Frost No. 9	
Location: 1090'S, 990'E, Sec. 25-27N-10W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing Diameter: 4-1/2" O.D.	Set At Feet: 7002	Tubing Diameter: 2-3/8" O.D.	Set At Feet: 6883
Pay Zone From: 6718	To: 6910	Total Depth: 7002 C/O 6930	Shut In: 8-31-61
Drilling Method: Sand/Water Frac.		Flow Through Tubing: X	

Choke Size, Inches: 0.750"	Choke Constant: 12.365	Unloaded head of oil after 5 min. then slugged during remainder of test.	
Shut-in Pressure, PSIG: 1748	PSIG - 12 - PSIA: 1760	Days Shut-in: 8	Shut-in Pressure, Tubing: 1454
Flowing Pressure, PSIG: 187	PSIG - 12 - PSIA: 199		Working Pressure, Pw: 509
Temperature: 76			Spv. From Tables: 1.021
	Est. .9850		Gravity: .9161

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_p$

$$Q = (12.365)(199)(.9850)(.9161)(1.021)$$

2267

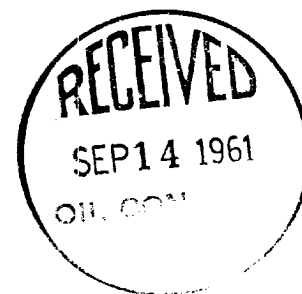
MCF/D

OPEN FLOW $A_{OF} = Q \left(\frac{P_1}{P_1 - P_w} \right)^n$

$$A_{OF} = \left(\frac{3,097,600}{2,826,159} \right)^n (1.0960)^{.75} (2267) = (1.0712)(2267)$$

A_{OF} **2428**

MCF/D



By: **R. L. Nickell, D. E. Mortensen, Dannie Roberts**

Witnessed by:

Calculated by: **R. L. Nickell, Jr.**

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