

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 9, 1957

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit No. 49	
Location 900'N, 1450'E, Sec. 23-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5-1/2"	Set At: Feet 5964	Tubing: Diameter 2"	Set At: Feet 5963
Pay Zone: From 5964	To 6021	Total Depth: 6022 - c/o - 6021	
Stimulation Method Natural Completion		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 1014	12 PSIA 1026	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 1014
Flowing Pressure, P, PSIG 403	12 PSIA 415		Working Pressure, Pw PSIG 989
Temperature: T 76	F 0.75		Fpv (From Tables) 1.039
			Gravity 0.669

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 415 \times .9850 \times .9498 \times 1.039 = 4,988 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,052,676}{50,675} \right)^{.75} \times 4,988 = 9.7303 \times 4,988$$

$$Aof = 48,535 \text{ MCF/D}$$

TESTED BY **S. V. Roberts**

WITNESSED BY



L. D. Galloway
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