

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **November 15, 1960**

Operator El Paso Natural Gas Company		Lease San Juan 30-6 No. 35-24	
Location 1060'N, 850'E, 24-30N-6W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco MV	
Casing: Diameter 2-1/2"	Set At: Feet 5682	Tubing: Diameter No tubing	Set At: Feet ---
Pay Zone: From 5318	To 5614	Total Depth: C/O 5645	Shut In 11-7-60
Stimulation Method Sand/Water Frac.		Flow Through Casing K	Flow Through Tubing ---

Choke Size, Inches .750	Choke Constant: C 12.365	"Slim Hole"	
Shut-In Pressure, Casing, PSIG 615	PSIA 627	Days Shut-In 8	Shut-In Pressure, Tubing PSIG ---
Flowing Pressure: P PSIG 65	PSIA 77	Working Pressure: Pw (Calc)	PSIG None
Temperature: T: 59 F	Fr 1.0010	Fpv (From Tables) 1.009	Gravity 0.679
	0.750		Fg = .9427

CHOKE VOLUME $Q = C \times P_i \times F_i \times F_g \times F_{pv}$

$$Q = (12.365)(77)(1.0010)(.9427)(1.009)$$

907 MCF/D

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

$$Aof = \left(\frac{393,129}{370,328} \right)^n - (1.0615)^{.75}(907) = (1.0458)(907)$$

Aof **949** MCF/D

TESTED BY **Jesse B. Goodwin**

WITNESSED BY

Checked by **W. D. Dawson**

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