

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **October 11, 1960**

Operator EL PASO NATURAL GAS COMPANY		Lease San Juan 28-7 Unit No. 120	
Location 800'S, 1090'E, 29-27N-7W		County Rio Arriba	State New Mexico
Formation Peitured Cliffs		Pool South Blanco P.C.	
Casing: Diameter 5-1/2"	Set At: Feet 3027	Tubing: Diameter 1-1/4"	Set At: Feet 2941
Pay Zone: From 2918	To 2960	Total Depth: 3027 c/o 2985	Shut In 9/16/60
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 771	12 - PSIA 783	Days Shut-In 18	Shut-In Pressure, Tubing, PSIG 771
Flowing Pressure: P, PSIG 320	12 - PSIA 332	Working Pressure: P _w , PSIG 338	12 - PSIA 350
Temperature: T 64 °F	F _r .9962	F _p (From Tables) 1.033	Gravity F _g .9608

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

$$Q = (12.365)(332)(.9962)(.9608)(1.033) \quad 4059 \quad \text{MCF/D}$$

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

$$Aof \left(\frac{613,089}{490,589} \right)^n = (1.2496)^{.85}(4059) = (1.2496)(4059)$$

$$Aof \quad 4904 \quad \text{MCF/D}$$

TESTED BY **Jesse B Goodwin**

WITNESSED BY

Calculated by **R. L. Mickell, Jr.**Checked by **W. D. Dawson**

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