

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **December 14, 1959**

Operator	El Paso Natural Gas Company		Lease	San Juan 27-4 Unit No. 22	
Location	1750S, 1095W; 14-27-4		County	Rio Arriba	State New Mexico
Formation	Mesa Verde		Pool	Blanco	
Casing: Diameter	7	Set At: Feet 7905	Tubing: Diameter	2	Set At: Feet 6058
Est. Zoned Form	5952	6066	Total Depth	7890	Shot In 11/24/59
Stimulation Method	Sand Water Frac.		Flow Through Casing	Flow Through Tubing X	

Choke Size, Inches		Choke Constant, C							
.75		12.365							
Shut-In Pressure, tubing	PSIG	12	PSIA	Days Shut-In		Shut-In Pressure, Tubing	PSIG	12	PSIA
1171			1183	20		1171			1183
Flowing Pressure, P _w	PSIG	12	PSIA			Working Pressure, P _w	PSIG	12	PSIA
320			332			834			846
Temperature						F _{gv} (From Tables)			Gravity
76 F			.75			1.036			.706 F _g .9225

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

$$12.365 \times 332 \times .9850 \times .9225 \times 1.036$$

3865

MCF-D

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

1399489
683773

$$2.0467^{.75} \times 3865 = 1.7115 \times 3865$$

And

6615

MCF.D

Jesse B. Goodwin

Checked By S. V. Roberts

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