

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 27, 1958

Operator El Paso Natural Gas		Lease Rincon Unit No. 122	
Location 17508, 990E; 26-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5-1/2	Set At: Feet 3360	Tubing Diameter 1-1/4	Set At: Feet 3332
Pay Zone: From 3258	To 3312	Total Depth 3360 c/o 3347	Shut-in 6/18/58
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant, C 12.365	
Shut-in Pressure, Casing, PSIG 1013	PSIG - 12 = PSIA 1025	Days Shut-In 9	Shut-in Pressure, Tubing, PSIG 1014
Flowing Pressure, Casing, PSIG 215	PSIG - 12 = PSIA 227		Flowing Pressure, Pw, PSIG 228
Temperature, T 69	FE - 100 .85	Epw From Tables 1.023	Gravity .685

CHOKE VOLUME $Q = C \times P_r \times F \times F_g \times F_{gv}$

$$Q = 12.365 \times 227 \times .9915 \times .9359 \times 1.023 = 2665 \text{ MCF/D}$$

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

$$\text{Act } Q = \left(\frac{1052676}{995076} \right)^n$$

$$1.0578^{.85} \times 2665 = 1.0489 \times 2665 =$$

$$\text{Act } 2795 \text{ MCF/D}$$

TESTED BY Frank M. Clark

WITNESSED BY

Checked By H. L. Kendrick

Lewis D. Galloway
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