

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **October 20, 1958**

Operator El Paso Natural Gas Company		Lease San Juan 30-4 Unit No. 27	
Location 790S, 1600E; 20-30-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Rock E. Blanco PC	
Casing Diameter 5-1/2	Set At: Feet 4547	Tubing Diameter 2"	Set At: Feet 4506
Pay Zone From 4270	To 4510	Total Depth 4558	Shut in 9/28/58
Stimulation Method Sand Water Frac.		Flow Through Casing Flow Through Tubing	

Choke Size, inches .75	Choke Constant: C 12.365	Shut-in Pressure, Casing, PSIG 1237	Shut-in Pressure, Tubing, PSIG 1237
Flowing Pressure, Casing, PSIG 252	Flowing Pressure, Tubing, PSIG 624	Working Pressure, Casing, PSIG 252	Working Pressure, Tubing, PSIG 624
Temperature, °F 67	Gravity 1.019	Flow From Tubing, MCF/D 3317	Flow From Tubing, MCF/D 3317

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_v$

$$C = 12.365 \times 264 \times .9933 \times 1.004 \times 1.019$$

3317 MCF/D

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

$$Q = \left(\frac{1560001}{1155505} \right)^{.85}$$

$$(1.3500)^{.85} \times 3317 = 1.29 \times 3317$$

ASST. **4279** MCF/D

Jesse B. Goodwin

Checked By **S. V. Roberts**



Lewis D. Galloway
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