

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE

June 18, 1959

Operator El Paso Natural Gas Company		Lease San Juan 27-4 No. 21 (P)	
Location 850N, 1800E; 30-27-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Tapacito	
Casing: Diameter 7- 5/8	Set At: Feet 3999	Tubing: Diameter 1-1/4	Set At: Feet 3836
Pay Zone: From 3820	To 3890	Total Depth 6177 c/o 6134	Shut In: 5/26/59
Stimulation Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 3932-6177
Shut-in Pressure, Casing, PSIG 1007 (PC)	12 PSIA 1019	Shut-in Pressure, Tubing, PSIG 1009 (PC)
Flowing Pressure: P, PSIG 188	12 PSIA 200	Working Pressure, Pw, PSIG 196
Temperature: T, F 63	.85	Flow Through Tubing, Gravity .689
		Flow Through Casing, Gravity 1.021

Initial SIPT (MV) = 1121 psig

Packer at 4071

Final SIPT (MV) = 1123 psig

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

$$Q = 12.365 \times 200 \times .9971 \times .9359 \times 1.021$$

2356

MCF/D

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

$$A_{of} = \left(\frac{1042441}{999177} \right)^n$$

$$1.0432^{.85} \times 2356 = 1.0366 \times 2356$$

$$A_{of} = 2442 \text{ MCF/D}$$

TESTED BY **S. V. Roberts**WITNESSED BY **F. Cook (N.M.O.C.C.)**

Lewis D. Galloway
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U.S. CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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