

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 13, 1959

Operator El Paso Natural Gas	Lease San Juan 28-7 No. 108 (P)
Location 1500N, 990E; 16-27-7	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool Undesignated
Casing Diameter 7-5/8 Ser. At. Feet 3551	Tubing Diameter 1-1/4 Ser. At. Feet 3347
Pay Zone: From 3340 To 3402	Total Depth 5800 c/o 5750 Shut In: 6/22/59
Stimulation Method Sand Water Frac.	Flow Through Fracture X

Choke Size, Inches 12.365	Choke Constant, C .75	5-1/2 liner 3511-5800
Shut-in Pressure, Casing, PSIG 981	12-1/2 PSIA 993	21
Flowing Pressure, P, PSIG 708	12-1/2 PSIA 720	
Temperature, T, F 69		
	.85	
		1.066
		.625

Initial SIPT (MV) = 1040 psig

Final SIPT (MV) = 1046 psig

Packer at 5520

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3 \times F_4$

$$Q = 12.365 \times 720 \times .9915 \times .9798 \times 1.066$$

9220

MCF/D

OPEN FLOW $Q = \left(\frac{P_1^2 - P_2^2}{P_1 - P_2} \right)^n$

$$Q = \left(\frac{986049 - 434000}{986049 - 434000} \right)^n$$

$$2.2720^{.75} \times 9220 = 2.0100 \times 9920$$

$$Q = 19,939 \text{ MCF/D}$$



By M. W. Rischard

Witnessed by Fred Cook, N.M.O.C.C.

Lewis D. Galloway
L. D. Galloway