

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DUAL COMPLETION

DATE **March 30, 1959**

Operator El Paso Natural Gas		Lease San Juan 27-5 No. 41 (P)	
Location 16508, 1650W; 21-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 7-5/8	Set At: Feet 3455	Tubing Diameter 1-1/4	Set At: Feet 3331
Pay Zone From 3290	To 3348	Total Depth 5669 c/o 5662	Shut in 3/12/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75	Choke Constant: C 12.365	5-1/2 liner 3400 - 5666	
Shut-In Pressure, Casing, PSIG 1007 (PC)	12 - PSIA 1019	Days Shut-In 18	Shut-In Pressure, Tubing, PSIG 1007 (PC)
Flowing Pressure, P, PSIG 168	12 - PSIA 180		Working Pressure, Pw, PSIG 172
Temperature, T, F 58	F .85		Gravity .669
			Fpv (From Tables) 1.019

Initial SIPT (MV) = 1055 psig

Packer at 3454

Final SIPT (MV) = 1063 psig

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$
 $C = 12.365 \times 180 \times 1.0019 \times .9498 \times 1.018$

2156

MCF/D

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

$$Aof = \left(\frac{1038361}{1004505} \right)^n \quad 1.0337^{.85} \times 2156 = 1.0286 \times 2156$$

Aof **2218** MCF/DTESTED BY **S. V. Roberts**

WITNESSED BY



Lewis D. Galloway
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