

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 19, 1958

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit 91 (M)	
Location 836N, 1544E; 34-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8"	Set At Feet 2899	Tubing Diameter 2"	Set At Feet 5023
Pay Zone Depth 4380	To 5034	Total Depth 5107 c/o 5070	Shut-in 6/11/58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Coefficient 12.365	5-1/2" liner 2823 - 5110	
Shut-in Pressure, Casing, PSIG 938 (PC)	12 PSIA 950	Shut-in Pressure, Tubing, PSIG 997 (MV)	12 PSIA 1009
Flowing Pressure, P, PSIG 359	12 PSIA 371	Working Pressure, Pw, PSIG (Calc.) 721	12 PSIA
Temperature, T 71	.75	Spv. From Tables 1.039	Gravity .684

Final SIPC (PC) 945 psig

Packer at 2963

1-1/4" at 2749

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

$$Q = (12.365)(371)(.9896)(.9393)(1.039)$$

4431

MCF/D

OPEN FLOW $Q_{OF} = \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$

$$Q_{OF} = \left(\frac{1,018,081}{498,240} \right)^n$$

$$(2.0433)^{.75} (4431) = (1.7100)(4431)$$

7,577

MCF/D

SEALING BY S. V. Roberts

WITNESSED BY Fred Cook (NMOCC)



L. D. Galloway
L. D. Galloway

REFERENCES

...the ... of ...

[illegible]

SECRET

Transporter

FILE

1. The first part of the document is a list of names and addresses, which are arranged in two columns. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list includes names such as "John Doe", "Jane Smith", and "Robert Brown", along with their respective addresses.

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$