

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DUAL COMPLETION

DATE **March 21, 1960**

Operator El Paso Natural Gas Company	Lease San Juan 28-5 Unit No. 35 (M)
Location 18408, 1840W; 19-28-5	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing Diameter 7	Set At Feet 7545
Pay Zone From 5138	To 5730
Stimulation Method Sand Water Frac.	Flow Through Casing X
	Tubing Diameter 1-1/4 Set At Feet 4640
	Total Depth 7951 c/o 7885 Shot In Re-SI 2/23/60
	Flow Through Tubing

Choke Size .75	Choke Constant 12.365	7" at 7545
Shut-In Pressure (MV) 1075	PSIG 12 PSIA 1087	Days Duration 27
Flowing Pressure (MV Csg) 607	PSIG 12 PSIA 619	Working Pressure (MV Tbg) 636
Temperature 71 F	Fr .9896	Ev from Tables 1.061
		Gravity .670 Fr .9463

Initial SIPT (D) = 2572 psig
Final SIPT (D) = 2600 psig

Baker Model "D" Packer at 7503

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 619 \times .9896 \times .9463 \times 1.061$$

7605

MCF/D

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

$$Aof = \left(\frac{1181569}{761665} \right)^n$$

$$1.5512^{.73} \times 7605 = 1.3900 \times 7605$$

Aof 10571

MCF/D

Freezing upstream somewhere from casing valve

TESTED BY **W. D. Dawson**

WITNESSED BY

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Lewis D. Galloway
L. D. Galloway

