

EL PASO NATURAL GAS CO. (LTD.)
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 10, 1959

Operator El Paso Natural Gas		Lease San Juan 27-5 No. 46 (M)	
Location 1090S, 890W; 7-27-5		County Rio Arriba State New Mexico	
Formation Mesa Verde		Prest Blanco	
Casing Diameter 7-5/8	Set At Feet 3504	Tubing Diameter 2"	Set At Feet 5551
Pay Zone From 5475	5631	Total Depth 5719 c/o 5660	3/31/59
Stimulation Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, Inches 12.365	Choke Constant, C .75	5-1/2 liner 3443-5717
Shut-In Pressure, Casing 1055 (PC)	PSIG 1067	PSIA 1041
Flowing Pressure, P 219	PSIG 231	PSIA 461
Temperature, T 62		
	.75	
		1.025
		.693

Initial SIPT (PC) = 1055 psig
Final SIPC (PC) = 1061 psig

Packer at 3564

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = 12.365 \times 231 \times .9981 \times .9325 \times 1.025$$

2725

MCF/D

$$\text{OPEN FLOW } A_{sf} Q = \left(\frac{C \times P_1 \times F_1 \times F_g \times F_v}{P_a - P_w} \right)^n$$

$$A_{sf} = \left(\frac{1083681}{871160} \right)^n$$

$$1.2439^{.75} \times 2725 = 1.1777 \times 2725$$

$$A_{sf} = 3209 \quad \text{MCF/D}$$

TESTED BY **M. W. Rischard**

WITNESSED BY

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