

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 27, 1958

Operator El Paso Natural Gas		Lease San Juan 27-5 Unit 28-(M)	
Location 800S, 800W; 25-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco MV	
Casing: Diameter 7-5/8	Set At: Feet 3634	Tubing: Diameter 2"	Set At: Feet 5689
Pay Zone: From 5656	To 5756	Total Depth: 5798 c/o 5771	Shut-in 8/14/58 Flow Through Tubing X
Stimulation Method Sand Water Frac.		Flow Through Casing	

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2 liner 3569 - 5796	
Shut-In Pressure, Casing, PSIG 911 (PC)	12 - PSIA 923	Days Shut-In 13	Shut-In Pressure, Tubing, PSIG (MV) 1107
Flowing Pressure: P, PSIG 204	12 - PSIA 216	Working Pressure: Pw, PSIG Calc.	12 - PSIA 431
Temperature: T 70	F .75	Fpv (From Tables) 1.023	Gravity .709

Initial (PC) SIPT = 911 psig
Final (PC) SIPC = 919 psig

Packer at 3622

CHOKE VOLUME - Q C x P₁ x F₁ x F₂ x F_{pv}

$$Q = 12.365 \times 216 \times .9905 \times .9225 \times 1.023 = 2497 \text{ MCF D}$$

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

$$\left(\frac{1252161}{1066400} \right)^{.75} (2497) = (1.1280)(2497)$$

Ao = **2817** MCF D

TESTED BY **S. V. Roberts**
 WITNESSED BY **T. H. McElvain**



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