

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **October 29, 1959**

Operator El Paso Natural Gas		Lease San Juan 27-5 No. 47 (M) OWWO	
Location 1500B, 1750W; 18-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5-1/2	Set At: Feet 5586	Tubing Diameter 2	Set At: Feet 5408
Pay Zone From 5376	To 5502	Total Depth c/o 5491	Shut In: 10/14/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-in Pressure, Casing, PSIG 852 (PC)	- 12 - PSIA 864	Days Shut-In 15	Shut-in Pressure, Tubing, PSIG 737 (MV)
Flowing Pressure: P, PSIG 174 (MV)	- 12 - PSIA 186		Working Pressure, Pw, PSIG Calc. 367
Temperature: T, F 60	F, F .75	E _{pv} (From Tables) 1.021	Gravity .700

Initial SIPT (PC) = 852 psig

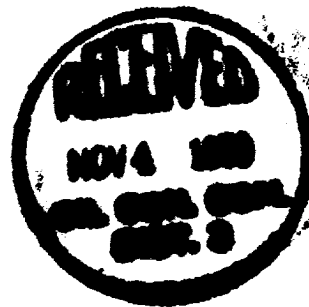
Final SIPC (PC) = 855 psig

Packer at 3295

CHOKE VOLUME $Q = C \times E_c \times E_f \times E_g \times E_{pv}$ $Q = 12.365 \times 186 \times 1.000 \times .9258 \times 1.021$ **2174** MCF/D

$$\text{OPEN FLOW } Q = \left(\frac{C \times E_c \times E_f \times E_g \times E_{pv}}{D_p^4 \times P_a} \right)^n$$

$$Q = \left(\frac{561001}{426512} \right)^n \quad 1.3159^{.75} \times 2174 = 1.2282 \times 2174$$

A.F. **2670** MCF/D

S. V. Roberts

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