

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 7, 1960

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 129 (D)	
Location 16508, 1840W; 29-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5	Set At: Feet 7768	Tubing: Diameter 2	Set At: Feet 7594
Pay Zone: From 7408	To 7628	Total Depth 7771 c/o 7724	Shoat Re-BI 3/28/60
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant 12.365		7" at 7365; 5" liner 7266 - 7768	
Shut-in Pressure, Gas 1268 (MV)	PSIG 1280	12	PSIA 10	Shut-in Pressure, Tubing 2321 (D)	PSIG 2333
Flowing Pressure: P 532	PSIG 544	12	PSIA	Working Pressure: P _w Calc.	PSIG 1225
Temperature: T 72 F	F _r .9887	F _t .75		E _{pv} (From Tables) 1.057	Gravity .670 F _g .9463

Initial SIFT (MV) = 1268 psig
Final SIPC (MV) = 1287 psig

Packer - Baker Model "D" at 6490

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = 12.365 \times 544 \times .9887 \times .9463 \times 1.057 = 6651 \text{ MCF/D}$$

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

$$Aof = \left(\frac{5442889}{3942264} \right)^n$$

$$6651 \times 1.3806^{.75} = 6651 \times 1.2737$$

$$Aof = 8471 \text{ MCF/D}$$

TESTED BY **S. V. Roberts**

WITNESSED BY

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