

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 18, 1960

Operator El Paso Natural Gas Co.		Lease Rincon Unit No. 128 (D)	
Location 1600S, 990W; 28-27-6		County Rio Arriba	State New Mexico
Formation Bakota		Pool Undesignated	
Casing: Diameter 5"	Set At: Feet 7787	Tubing: Diameter 2"	Set At: Feet 7572
Pay Zone: From 7418	To 7632	Total Depth: 7789 ±/o 7650	Shut In 5/8/60
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365		5" liner 7311-7787	
Shut-In Pressure, Casing, (MV) 1291	PSIG	12	PSIA	Days Shut-In 10	Shut-In Pressure, Tubing (D) 2175
Flowing Pressure: P (D Tbg.) 198	PSIG	12	PSIA		Working Pressure: P _w (Calc.) 464
Temperature: 61	F				Gravity .668
					F _{pv} From Tables 1.020
					F _g .9498

Initial SIFT (MV) = 1286 psig

Baker Model "D" Packer at 6210'

Final SIPC (MV) = 1303 psig

CHOKE VOLUME: $Q = C \times P_c \times F_p \times F_g \times F_{pv}$
 $Q = 12.365 \times 210 \times .9990 \times .9498 \times 1.020 = 2513 \text{ MCF/D}$

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

$$A_{of} = \left(\frac{4782969}{4567673} \right)^n$$

$$1.0471^{.75} \times 2513 = 1.0352 \times 2513$$

 $A_{of} = 2601 \text{ MCF/D}$
TESTED BY **W. D. Dawson & R. L. Nickell**

WITNESSED BY

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