

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 1, 1960

Operator El Paso Natural Gas Co.		Lease Filan No. 5 (D)	
Location 8508, 820W; Sec. 5-27N-8W		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 7"	Set At: Feet 7028	Tubing: Diameter 2"	Set At: Feet 6878
Pay Zone: From 6782	To 6898	Total Depth: 7035 c/o 6930	Shut In 6/20/60
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, (MV) 950	PSIG - 12 PSIA 962	Days Shut-In 11	Shut-In Pressure, Tubing (D) 2166
Flowing Pressure: P (DTbg) 271	PSIG - 12 PSIA 283	Working Pressure: Pw Calc.	PSIG - 12 PSIA 604
Temperature: 72	Ft. .9887	Fpv (From Tables) 1.022	Gravity .600 Fg 1.000

Initial SIPT (MV) = 952 psig

Final SIPC (MV) = 958 psig

Baker model "D" Prod. Pkr. at 6602'

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 283 \times .9887 \times 1.000 \times 1.022$$

3536

MCF/D

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

$$Aof = \left(\frac{4743684}{4378868} \right)^n$$

$$1.0833^{.75} \times 3536 = 1.0618 \times 3536$$

$$Aof = 3755 \text{ MCF/D}$$

TESTED BY **W. D. Dawson**

WITNESSED BY

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