

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 8, 1960

Operator El Paso Natural Gas Company		Lease Canyon Largo No. 98	
Location 990N, 990W; 26-24N-6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard PC	
Casing: Diameter 2-1/2"	Set At: Feet 2349	Tubing: Diameter No tubing	Set At: Feet -
Pay Zone: From 2248	To 2296	Total Depth: 2345 c/o 2341	Shut In 5/16/60
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 668	12 PSIA 680	Days Shut-In 23	Shut-In Pressure, Tubing PSIG -
Flowing Pressure: P PSIG 38	12 PSIA 50	Working Pressure: Pw PSIG Calc.	12 PSIA 60
Temperature: T 60 F	F ₁ 1.000	F _{pv} (From Tables) 1.004	Gravity .670
	.85		F _g .9463

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

$$Q = 12.365 \times 50 \times 1.000 \times .9463 \times 1.004$$

587

MCF/D

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

$$A_{of} = \left(\frac{462400}{458800} \right)^n \cdot 1.0078^{.85} \times 587 = 1.0066 \times 587$$

Aof 591 MCF/D

TESTED BY J. B. Goodwin

WITNESSED BY

Checked By Bob Nickell

L. D. Galloway
L. D. Galloway by *Per K.*