

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **May 26, 1958**

Operator El Paso Natural Gas		Lease San Juan 28-6 Unit 80 (M)	
Location 1650N, 1750E, 12-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8"	Set At Feet 3357	Tubing Diameter 2"	Set At Feet 5451
Pay Zone From 5366	To 5500	Total Depth 5553 c/o 5505	Shut-in 4/14/58
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 (PC) 1107	PSIG	PSIA	Days Shut-in 42	Shut-in Pressure, Tubing (MV) 1067	PSIG	PSIA
Flowing Pressure, P 301	PSIG	PSIA			Working Pressure, P _w Calc.	PSIG	PSIA	
Temperature, F 68					Fpv (From Tables) 1.036		Gravity .703	

Final SIPC (PC) = 1113 psig

Packer at 3379
1-1/4" at 3264'

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

$$Q = 12.365 (313) (.9924)(.9258)(1.036)$$

3,684

MCF/D

OPEN FLOW $Q_{of} = \left(\frac{P_r^2 - P_w^2}{P_r^2 - P_w^2} \right)^n$

$$Q_{of} = \left(\frac{1,164,241}{776,112} \right)^n$$

$$(1.5000)^{.75} (3,684) = (1.3555) (3,684)$$

$$Q_{of} = 4,994 \text{ MCF/D}$$



TESTED BY **R. R. Davis**

WITNESSED BY

Checked By **Tom B. Grant**

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