

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 19, 1958

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit 84	
Location 1472N, 1812E; 5-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7-5/8	Set At: Feet 3351	Tubing Diameter 2"	Set At: Feet 5530
Pay Zone: From 5408	To 5554	Total Depth 5615 c/o 5561	Shut-in 6/3/58
Stimulation Method Sand Water Fran.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant 12.365	5-1/2" liner 3278 - 5596	
Shut-in Pressure, Tubing 1006	PSIG	12	PSIA
Flowing Pressure: P 213	PSIG	12	PSIA
Temperature: T 65	F	16	
		225	
		586	
		1.022	
		598	
		.674	

CHOKE VOLUME $Q = C \times P_r \times F_v \times F_g \times F_{gv}$

$$C = 12.365 \times 225 \times .9952 \times .9463 \times 1.022$$

2678

MCF/D

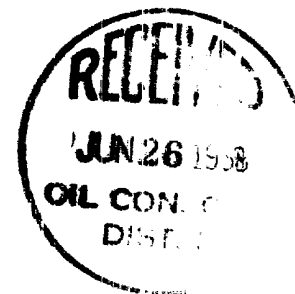
$$Q = C \left(\frac{P_r^2 - P_w^2}{P_a - P_w} \right)^n$$

$$\left(\frac{1036324}{678720} \right)^n$$

$$(1.5268)^{.75} \times 2678 = 1.3740 \times 2678 =$$

As 3680 MCF/D

Frank M. Clark



Checked By Bob Davis

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L.D.K.

