

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **January 25, 1957**

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit # 67	
Location 790°N, 865°E, Sec. 14-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 5½	Set At: Feet 5418	Tubing: Diameter 2"	Set At: Feet 5384
Pay Zone: From 4674	To 5377	Total Depth: 5405 - o/o - 5400	
Stimulation Method Sand Water		Flow Through Casing	Flow Through Tubing X

Choke Size, inches 0.750	Choke Constant: C 14.1605		
Shut-In Pressure, Casing: PSIG 1060	- 12 = PSIA 1072	Days Shut-In 13	Shut-In Pressure, Tubing PSIG 1047
Flowing Pressure, P _f PSIG 130	- 12 = PSIA 142	Working Pressure: P _w PSIG 146	- 12 = PSIA 158
Temperature: T 60	F _g n 0.750	F _{pv} (From Tables) 1.014	Gravity .675

CHOKE VOLUME Q C x P_f x F_g x F_{pv}

Q **14.1605 x 142 x 1 x .9427 x 1.014** **1922** MCF/D

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

Aof $\left(\frac{1,149,184}{1,124,220} \right)^{1.0222}$

.75 x 1922 = 1.0166 x 1922

Aof **1954** MCF/D

Tom Grant



L. D. Galloway
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