

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **January 15, 1963**

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-5 No. 62	
Location 1450'N, 1750'E, Sec. 31-28-5		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 5.500	Set At: Feet 7710	Tubing: Diameter 2.0625	Set At: Feet 7630
Pay Zone: From 7602	To 7704	Total Depth: 7717	Shut In 1-1-63
Stimulation Method Sand/Water Frac.		Flow Through Tubing X	

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1679	PSIG - 12 PSIA 1691	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 1789
Flowing Pressure: P PSIG 226	PSIG - 12 PSIA 238		Working Pressure: Pw PSIG 279
Temperature: T 61 F	Ft .9990		Fpv (From Tables) Gravity 1.019 .610
	.75		Fg .9918

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

$$Q = (12.365)(238)(.9990)(.9918)(1.019) = 2971 \text{ MCF/D}$$

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

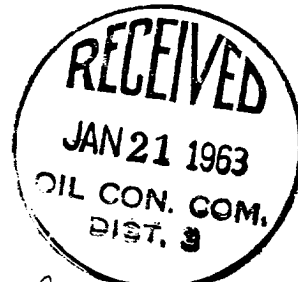
$$\text{Aof} \left(\frac{3,243,601}{3,158,920} \right)^n (1.0268)^{.75} (2971) = (1.0200)(2971)$$

NOTE: Blew a spray of distillate and a slight amount of water.

$$\text{Aof} = 3030 \text{ MCF/D}$$

DESIGNED BY **R. F. Headrick**

Checked by **W. D. Dawson**



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