

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **October 10, 1960**

Operator El Paso Natural Gas Company		Lease San Juan 28-4 No. 26-18	
Location 1850'S, 790'W, 18-28N-4W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco MV	
Casing: Diameter 7-5/8	Set At: Feet 4700	Tubing: Diameter 2"	Set At: Feet 6820
Pay Zone: From 6654	To 6828	Total Depth: 6898 c/o 6850	Shut In 8-20-60
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2" Liner from 4648 to 6893	
Shut-In Pressure, Casing, PSIG 1141	PSIA 1153	Days Shut-In 51	Shut-In Pressure, Tubing, PSIG 1139
Flowing Pressure: P _w , PSIG 263	PSIA 275	Working Pressure: P _w , PSIG 709	PSIA 721
Temperature: T 64 °F	F _r .9962	F _{pv} (From Tables) 1.027	Gravity .650
	.75		F _g .9608

CHOKE VOLUME $Q = C \times P_c \times F_r \times F_g \times F_{pv}$

$$Q = (12.365)(275)(.9962)(.9608)(1.027)$$

3343 MCF/D

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

$$\text{Aof } = \left(\frac{1329409}{809568} \right)^n$$

$$1.6421^{.75} \times 3343 = (1.4505)(3343)$$

Aof 4849 MCF/D

TESTED BY **Frank Clark**
 Checked **D. W. Dawson**
 BY



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