

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **April 28, 1959**

Operator El Paso Natural Gas Company		Lease San Juan 32-9 No. 68	
Location 990 S, 990 W, Sec. 24-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Geol. Blanco	
Casing: Diameter 7-5/8"	Set At: Feet 3889	Tubing: Diameter 2"	Set At: Feet 6047
Pay Zone: From 5558	To 6040	Total Depth 6154 c/o 6070	Shut In: 4/21/59
Stimulation Method Sand Water Frac.		Flow Through Casing	

Choke Size, Inches .750		Choke Constant, C 12.365		5-1/2" Liner 3804-6151	
Shut-In Pressure, Casing, PSIG 1022	- 12 - PSIA 1034	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1020	- 12 - PSIA 1032	
Flowing Pressure, P, PSIG 302	- 12 - PSIA 314		Working Pressure, P _w , PSIG 760	- 12 - PSIA 772	
Temperature, T, °F 70°	IF, in H ₂ O .750		Flow From Tubing 1.032	Gravity .670	

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{gv}$

$$Q = 12.365 \times 314 \times .9905 \times .9463 \times 1.032 = 3756 \text{ MCF/D}$$

$$\text{OPEN FLOW } A_{of} = D \left(\frac{P_s^2}{P_s^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{1069156}{473172} \right)^n \times 2.2595^{.75} \times 3756 = 1.8420 \times 3756$$

$$A_{of} = 6919 \text{ MCF/D}$$

TESTED BY **R. R. Davis**

WITNESSED BY



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