

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **March 20, 1957**

Owner El Paso Natural Gas Company		Lease Heaton # 9	
Location 990'N, 1495'E, Sec. 32-31-11		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7 5/8	Set At Feet 4549	Tubing Diameter 2"	Set At Feet 4689
Pay Zone From 4651	To 4766	Total Depth 4900 - c/o - 4800	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant, C 14.1605	5 1/2" liner at 4902	
Shut-In Pressure, Casing 650 P.C.	PSIG $\times 12 =$ PSIA	Days Shut-In 13	Shut-In Pressure, Tubing 1074
Flowing Pressure, P 105	PSIG $\times 12 =$ PSIA	Working Pressure, Fw Calculated	PSIG $\times 12 =$ PSIA 242
Temperature, T 63	F	Fps (From Tables) 1.011	Gravity .678

CHOKE VOLUME $Q = C \times P_r \times F_c \times F_g \times F_v$

$$Q = 14.1605 \times 117 \times .9427 \times .9971 \times 1.011$$

1574

MCF/D

OPEN FLOW $A_{of} = Q \left(\frac{P_r^2}{P_r^2 - P_w^2} \right)^n$

$$A_{of} = \left(\frac{1,179,396}{1,120,832} \right)^n (1.0523)^{.75} \times 1574 = 1.0389 \times 1574$$

A_{of} **1635** MCF/D

By **K. C. McBride**

cc: (6) **E. J. Coel, Jr.**



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