

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 21, 1959

Operator Frank A. Schultz		Lease State No. 13-16	
Location 1845N, 1455E; 16-27-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5-1/2	Set At: Feet 4649	Tubing Diameter 2"	Set At: Feet 4550
Pay Zone: From 4448	To 4514	Total Depth 4650	Shut in 7/15/59 Flow Through Tubing X
Stimulation Method Sand Water Frac.		Flow Through Casing	

Choke Size, Inches .75	Choke Constant: C 12.365	Shut-in Pressure, Tubing 1054	PSIG 1066
Shut-in Pressure, Casing 1056	Days Shut-in 37	Working Pressure: P _w 762	PSIA 774
Flowing Pressure: P 344	PSIG 356	Sp. Gr. From Tables 1.047	Gravity .752
Temperature: T 72	PSIA .75		

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 356 \times .9887 \times .8944 \times 1.047$$

4076

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{1140624}{541548} \right)^n$$

$$2.1062^{.75} \times 4076 = 1.7480 \times 4076$$

Making heavy water vapor and distillate
at 35 minutes and throughout 3 hours blow.

A_{of} 7125

MCF/D

TESTED BY **S. V. Roberts**

WITNESSED BY **Virgil Staobs (BMG)**



L. D. Galloway
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