

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **August 14, 1958**

Operator El Paso Natural Gas		Lease Abraham 1-D	
Location 1750N, 990E; 11-30-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5-1/2	Set At: Feet 5734	Tubing Diameter 2"	Set At: Feet 5675
Pay Zone: From 5210	To 5622	Total Depth 5724 c/o 5701	Shut-in 7/20/58
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inche. .75		Choke Constant: C 12.365		5-1/2 liner 3347 - 5734	
Shut-In Pressure, Casing 1021	PSIG - 12 - PSIA	Days Shut-In 25	Shut-In Pressure, Tubing 1017	PSIG - 12 - PSIA	1029
Flowing Pressure: P 152	PSIG - 12 - PSIA		Working Pressure: Pw 337	PSIG - 12 - PSIA	349
Temperature: T 62	F		Exp. From Tables 1.012	Gravity .580	
		.75			

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

$$Q = 12.365 \times 164 \times .9981 \times 1.0171 \times 1.012$$

2083

MCF/D

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

$$Aof = \left(\frac{1067089}{945288} \right)^n$$

$$(1.1288)^{.75} \times 2083 = (1.0951) \times 2083$$

$$Aof = 2281 \text{ MCF/D}$$

TESTED BY **Richard Proctor**

WITNESSED BY

Checked By **H. L. Kendrick**

L. D. Galloway
L. D. Galloway
Dy. L.H.K.

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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