

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **March 27, 1957**

Operator El Paso Natural Gas Company		Lease Stewart # 2-A	
Location 990'S, 1090'W, Sec. 32-30-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7 5/8	Set At, Feet 4339	Tubing Diameter 2"	Set At, Feet 4721
Pay Zone, From 4468	To 4704	Test Length 4900 - c/o - 4750	
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 - 4295 - 4904	
Shut-in Pressure, Casing 1042	PSIG - 12 - PSIA 1054	Days Since 11	Shut-in Pressure, Tubing 1045
Flowing Pressure, P 265	PSIG - 12 - PSIA 277	Working Pressure, P _w 572	PSIG - 12 - PSIA 584
Temperature 63	Viscosity .75	Formation Factor 1.033	Gravity .710

CHOKE VOLUME $C \times P_i \times F_v \times F_g \times F_{ov}$

$$C \quad 14.1605 \times 277 \times .9971 \times .9193 \times 1.033$$

3714

MCF/D

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

$$\text{Aof} = \left(\frac{1,117,249}{776,193} \right)^n (1.439)^{.75} \times 3714 = (1.314) \times 3714$$

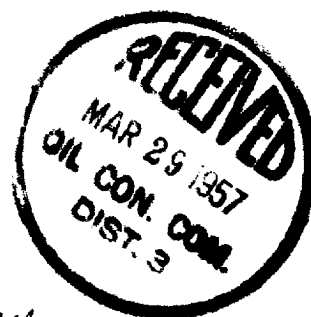
$$\text{Aof} \quad 4880 \quad \text{MCF/D}$$

REPORTED BY

K. C. McBride

WITNESSED BY

L. D. Galloway
L. D. Galloway



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