

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **December 31, 1957**

Operator El Paso Natural Gas Company		Lease Howell No. 2-G	
Location 990'S, 990'W, Sec. 6-30-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At: Feet 3094	Tubing Diameter 2"	Set At: Feet 5208
Pay Zone: From 4584	To 5200	Total Depth: 5268	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365	5-1/2" liner. 3046 - 5266
Shut-In Pressure, Casing, PSIG 975	- 12 - PSIA 987	Days Shut-In 31
Flowing Pressure: P, PSIG 391	- 12 - PSIA 403	Shut-In Pressure, Tubing, PSIG 975
Temperature, °F 73	n .750	Working Pressure: Pw, PSIG 894
		Fpv: From Tables 1.038
		Gravity .655

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

$$Q = 12.365 \times 403 \times .9877 \times .9571 \times 1.038$$

4890

MCF/D

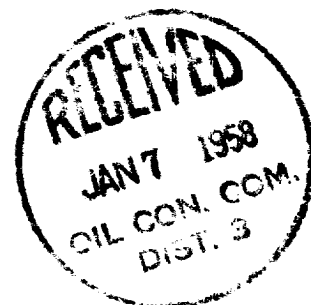
OPEN FLOW $A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

$$A_{of} = \left(\frac{974,169}{153,333} \right)^n \cdot 6.3532^{.75} \times 4890 = 4.000 \times 4890$$

$A_{of} = 19,560$ MCF/D

TESTED BY **R. R. Davis**

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT

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