

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE October 30, 1956

Operator El Paso Natural Gas Company		Lease Sellers #3-A	
Location 890S, 890W, Sec. 30-30-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Foot Aztec Pictured Cliffs	
Casing Diameter 7 5/8	Set At Feet 4382	Tubing Diameter 2"	Set At Feet 2471
Pay Zone From 2464	To 2484	Total Depth Bridge Plug @ 2512	
Stimulation Method Sand water frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant, C 14.1605	
Shut-In Pressure, Casing 622	PSIG	PSIA	Days Shut-In 10
Shut-In Pressure, Tubing 623	PSIG	PSIA	635
Flowing Pressure, P 240	PSIG	PSIA	Working Pressure, P _w 432
Temperature, T 58	F	F	Gravity 650 (Est.)
			F _{pv} (From Tables) 1.026

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

$$Q = 14.1605 \times 240 \times 1.0019 \times .9608 \times 1.026 = 3357 \text{ MCF/D}$$

$$\text{OPEN FLOW} = A_{\text{act}} \left(\frac{P_a^2 - P_w^2}{P_a^2 - P_w^2} \right)^n$$

$$\left(\frac{403,225}{206,089} \right)^n$$

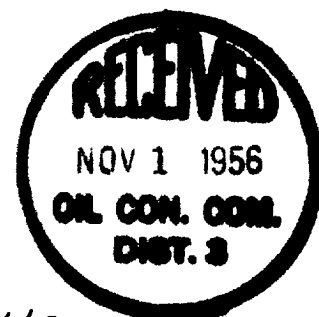
$$1.9565^{.85} \times 3357 = 1.767 \times 3357$$

ACTUAL FLOW **5932** MCF/D

TESTED BY

R. A. Ullrich

WITNESSED BY


L. D. Galloway


OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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