

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **September 15, 1959**

Operator El Paso Natural Gas		Lease Bolack No. 4-E	
Location 1600S, 1090E; 1-23-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Otero	
Casing Diameter 5-1/2	Set At: Feet 2246	Tubing Diameter 1-1/4	Set At: Feet 2184
Pay Zone: From 2156	To 2170	Total Depth 2247 c/o 2206	Shut In: 9/6/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 2" Nipple		Choke Constant: C	
Shut-In Pressure, P _{si} 646	PSIG - 12 - PSIA 658	Shut-In Pressure, P _{si} 646	PSIG - 12 - PSIA 658
Flowing Pressure, P _f	PSIG - 12 - PSIA	Working Pressure: P _w 204	PSIG - 12 - PSIA 216
Temperature: T 65	F _g n _g .85	F _{pv} From Tables	Gravity

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

$$Q = 3" \text{ water pitot tube gauge}$$

$$204 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{432964}{386308} \right)^n$$

$$1.1207^{.85} \times 204 = 1.1016 \times 204$$

$$A_{of} = 225 \text{ MCF/D}$$

TESTED BY **Jesse B. Goodwin**

WITNESSED BY

Checked By **W. D. Dawson**

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by TBG

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