

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 18, 1958

Operator El Paso Natural Gas Company		Lease Schram No. 1	
Location 1500S, 1550E; 23-30-11		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec Pictured Cliffs	
Casing: Diameter 5-1/2	Set At: Feet 2595	Tubing: Diameter 1-1/4	Set At: Feet 2488
Pay Zone: From 2486	To 2574	Total Depth: 2606 c/o 2574	Shut-In 4-7-58
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 633	PSIG - 12 - PSIA 645	Days Shut-In 11	Shut-In Pressure, Tubing PSIG 633
Flowing Pressure: P 372	PSIG - 12 - PSIA 384	Working Pressure: P _w 390	PSIG - 12 - PSIA 402
Temperature: T 59	F .85	F _{pv} (From Tables) 1.041	Gravity .663

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 384 \times 1.0010 \times .9535 \times 1.041 = 4717 \text{ MCF/D}$$

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

$$A_{of} \left(\frac{416025}{254421} \right)^n = (1.6351)^{.85} \times 4717 = 1.5195 \times 4717$$

$$A_{of} = 7167 \text{ MCF/D}$$

TESTED BY Richard Proctor

WITNESSED BY _____

Checked By: H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

COMMISSION

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