

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **September 2, 1959**

Operator El Paso Natural Gas		Lease Federal 9-1-C	
Location 860N, 790E; 9-25-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Gavilan	
Casing Diameter 5-1/2	Set At Feet 3755	Tubing Diameter 1-1/4	Set At Feet 3633
Pay Zone, Feet 3604	3646	Total Depth c/o 3670	Shut in: 8/20/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, Inches .75	Choke Constant 12.365	Shut-In Pressure, Casing 945	PSIG	2 - PSIA	Shut-In Pressure, Tubing 947	PSIG	2 - PSIA
Flowing Pressure, P 109	PSIG	12 - PSIA	957	13	Working Pressure, P 147	PSIG	2 - PSIA
Temperature, T 60	F	121			Eq. From Tables 1.012	Gravity .695	

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = 12.365 \times 121 \times 1.0000 \times .9292 \times 1.012 = 1407 \text{ MCF/D}$$

$$\text{OPEN FLOW } Aof = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$Aof = \left(\frac{919681}{894400} \right)^n \quad 1.0282^{.85} \times 1407 = 1.0240 \times 1407$$

$$Aof = 1441 \text{ MCF/D}$$

TESTED BY **D. Mortensen**

WITNESSED BY

Checked By **T. B. Grant**

Lewis D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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