

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **September 10, 1959**

Operator El Paso Natural Gas Company		Lease Wright No. 1	
Location 1840N, 1140W; 2-25-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 5-1/2	Set At: Feet 2920	Tubing: Diameter 1-1/4	Set At: Feet 2791
Pay Zone: From 2814	To 2890	Total Depth c/o 2900	Shut in: 8/23/59
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 453	- 12 = PSIA 465	Days Shut-In 18	Shut-In Pressure, Tubing, PSIG 453
Flowing Pressure: P, PSIG 203	- 12 = PSIA 215		Working Pressure: P _w , PSIG 214
Temperature: T, °F 60	n .850		F _{pv} (From Tables) 1.021
			Gravity .660

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

$$Q = 12.365 \times 215 \times 1.0000 \times .9535 \times 1.021 = 2588 \text{ MCF/D}$$

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

$$A_{of} \left(\frac{216225}{165149} \right)^n = 1.3092^{.85} \times 2588 = 1.2570 \times 2588$$

$$A_{of} = 3253 \text{ MCF/D}$$

TESTED BY **Tom Grant**

WITNESSED BY _____



Lewis D. Galloway
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OIL CONSERVATION COMMISSION

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