

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 25, 1958

Operator Elvin Roberts		Lease Lichner No. 1	
Location 1650N, 1650W; 30-29-10		County San Juan	State New Mexico
Formation Farmington Sandstone		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet Unknown	Tubing: Diameter 1" and 1-1/4"	Set At: Feet Unknown
Pay Zone: From Unknown	To Unknown	Total Depth: Unknown	Shut-In 4-18-58
Stimulation Method Completed Natural		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 410	- 12 = PSIA 422	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 410
Flowing Pressure: P PSIG -	- 12 = PSIA -	Working Pressure: Pw PSIG 0	- 12 = PSIA 12
Temperature: T °F 66	n .85	Fpv (From Tables) -	Gravity -

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

$$Q = \text{Pitot Gauge } 0.2" \text{ H}_2\text{O through } 2" \text{ Nipple} = \underline{52} \text{ MCF/D}$$

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

$$A_{of} \left(\frac{178084}{177940} \right)^n$$

$$(1.0008)^{.85} \times 52 = 10007 \times 52$$

$$A_{of} = \underline{52} \text{ MCF/D}$$

Well was blown 10 minutes through tubing to check for liquid.

TESTED BY S. V. Roberts

WITNESSED BY _____

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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