

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 27, 1956

Operator El Paso Natural Gas Company		Lease Hickman # 1-A	
Location 1650'S, 990'W, Sec. 10-26-12		County San Juan	State New Mexico
Formation Upper Gallup		Pool Wildcat	
Casing Diameter 5½	Set At: Feet 5335	Tubing Diameter 2	Set At: Feet 5106
Pay Zone: From 4998	To 5175	Total Depth: c/o - 5200	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant 14.1605	Shut-in 8 days	
Shut-In Pressure, Casing, PSIG 1267	12 - PSIA 1279	Days Shut-in 8	Shut-In Pressure, Tubing, PSIG 1273
Flowing Pressure: P, PSIG 309	12 - PSIA 321	Working Pressure: Pw, PSIG 730	12 - PSIA 742
Temperature: T, °F 80	.75	Fpv (From Tables) 1.034	Gravity .271

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

$$Q = 14.1605 \times 321 \times .9813 \times .9129 \times 1.034 \quad 4210 \quad \text{MCF/D}$$

$$\text{OPEN FLOW } Aof \quad Q \left(\frac{P_r}{P_c - P_w} \right)^n$$

$$Aof \left(\frac{1,651,225}{1,100,661} \right)^n (1.5002)^{.75} (Q) = 1.355$$

$$Aof \quad 5705 \quad \text{MCF/D}$$

TESTED BY K. C. McBride

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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