

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 9, 1956

Operator El Paso Natural Gas Company		Lease Jicarilla # 2-A	
Location 990'S, 890'W, Sec. 16-24-5		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Otero	
Casing: Diameter 5 1/2"	Set At: Feet 2415	Tubing: Diameter 2"	Set At: Feet 2290
Pay Zone: From 2280	To 2360	Total Depth: 2415 - c/o - 2375'	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant: C 14.1605			
Shut-in Pressure, Casing, PSIG 723	- 12 = PSIA 735	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 723	- 12 = PSIA 735
Flowing Pressure: P PSIG 141	- 12 = PSIA 153		Working Pressure: P _w PSIG 293	- 12 = PSIA 305
Temperature, T °F 70	n 0.85		F _{pv} (From Tables) 1.013	Gravity 0.655 (est)

CHOKE VOLUME - Q = C x P_i x F_i x F_g x F_{pv}

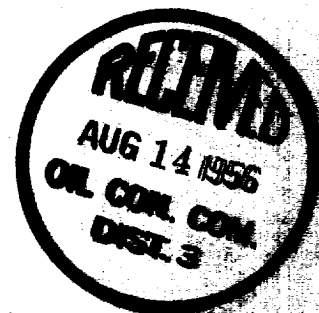
$$Q = 14.1605 \times 153 \times .9905 \times .9571 \times 1.013 = 2081 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{540,225}{147,200} \right)^n (1.2080)^{.85} Q = (1.1742)^Q$$

A_{of} 2,444 MCF/DTESTED BY D. C. Adams

WITNESSED BY



L. D. Galloway
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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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