

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 24, 1957

Operator El Paso Natural Gas		Lease Jicarilla No. 15-J	
Location 1650'N, 940'W, Sec. 17-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 3225	Tubing: Diameter 1-1/4	Set At: Feet 3189
Pay Zone: From 3108	To 3179	Total Depth: 3225 - c/o 3190	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1034	- 12 - PSIA 1046	Days Shut-In 13	Shut-In Pressure, Tubing PSIG 1034
Flowing Pressure: P PSIG 205	- 12 - PSIA 217		Working Pressure: P _w PSIG 221
Temperature: T °F 54	n 0.850		F _{pv} (From Tables) 1.028
			Gravity 0.710

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

$$Q = 12.365 \times 217 \times 1.0058 \times .9193 \times 1.028 = 2550 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,094,116}{1,039,827} \right)^n = 1.0522^{.85} \times 2550 = 1.0442 \times 2550$$

$$Aof = 2663 \text{ MCF/D}$$

TESTED BY Richard ProctorWITNESSED BY Virgil Stoabs (J. Glenn Turner)

L. D. Galloway
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By: 1188

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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