

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 24, 1957

Operator El Paso Natural Gas		Lease Jicarilla No. 14-J	
Location 1565'N, 1565'W, Sec. 18-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 3214	Tubing: Diameter 1-1/4	Set At: Feet 3131
Pay Zone: From 3097	To 3160	Total Depth: 3215 - c/o 3178	
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 1015	12 = PSIA 1027	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 1015
Flowing Pressure, P PSIG 126	12 = PSIA 138		Working Pressure: P _w PSIG 134
Temperature: T °F 55	n 0.85		F _{pv} (From Tables) 1.015
			Gravity .710

CHOKE VOLUME $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$$Q = 12.365 \times 138 \times 1.0048 \times .9193 \times 1.015 \quad \underline{1600} \quad \text{MCF/D}$$

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

$$\text{Aof } \left(\frac{1,054,729}{1,033,413} \right)^n = 1.0206^{.85} \times 1600 = 1.0175 \times 1600$$

Aof 1628 MCF/DTESTED BY Richard ProctorWITNESSED BY Virgil Stoabs (J. Glenn Turner)By: IBG

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