

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 24, 1957

Operator El Paso Natural Gas		Lease Jicarilla No. 9-J	
Location 1155'S, 860'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 3130	Tubing: Diameter 1-1/4	Set At: Feet 3051
Pay Zone: From 3014	To 3074	Total Depth: 3131 - c/o 3101	
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 1011	12 = PSIA 1023	Days Shut-In 17	Shut-In Pressure, Tubing, PSIG 1009
Flowing Pressure: P, PSIG 252	12 = PSIA 264		Working Pressure: P _w , PSIG 285
Temperature: T, °F 59	n 0.850		F _{pv} (From Tables) 1.033
			Gravity .710

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 264 \times 1.0010 \times .9193 \times 1.033 = 3103 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,046,529}{958,320} \right)^n = 1.0920^{.85} \times 3103 = 1.0777 \times 3103$$

Aof: 3344 MCF/DTESTED BY Richard ProctorWITNESSED BY Virgil Stoabs (J. Glenn Turner)

L. D. Galloway
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By: JBH

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