

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 24, 1957

Operator El Paso Natural Gas		Lease Jicarilla No. 13-J	
Location 860'S, 1587'E, Sec. 17-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 3171	Tubing: Diameter 1-1/4	Set At: Feet 3081
Pay Zone: From 3017	To 3122	Total Depth: 3172 - c/o 3131	
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 991	· 12 = PSIA 1003	Days Shut-In 5	Shut-In Pressure, Tubing PSIG 991
Flowing Pressure: P PSIG 226	· 12 = PSIA 238		Working Pressure: P _w PSIG 271
Temperature: T °F 56	n 0.850	Fpv (From Tables) 1.029	Gravity 0.710

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

$$Q = 12.365 \times 238 \times 1.0039 \times .9193 \times 1.029 = 2795 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,006,009}{925,920} \right)^n = 1.0864^{.85} \times 2795 = 1.0730 \times 2795$$

Aof 2999 MCF/DTESTED BY Richard ProctorWITNESSED BY Virgil Stoabs

L. D. Galloway
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By: JBG

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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