

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE December 24, 1957

Operator <u>El Paso Natural Gas</u>		Lease <u>Jicarilla No. 12-J</u>	
Location <u>1650'S, 1650'W, Sec. 17-26-5</u>		County <u>Rio Arriba</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliff</u>		Pool <u>South Blanco</u>	
Casing: Diameter <u>5-1/2</u>	Set At: Feet <u>3260</u>	Tubing: Diameter <u>1-1/4</u>	Set At: Feet <u>3172</u>
Pay Zone: From <u>3139</u>	To <u>3208</u>	Total Depth: <u>3261 c/o - 3225</u>	
Stimulation Method <u>Sand Water Frac.</u>		Flow Through Casing <u>X</u>	Flow Through Tubing

Choke Size, Inches <u>0.750</u>		Choke Constant: C <u>12.365</u>	
Shut-In Pressure, P _{si} <u>1027</u>	PSIG <u>1039</u>	Days Shut-In <u>15</u>	Shut-In Pressure, Tubing <u>1027</u>
Flowing Pressure: P <u>316</u>	PSIG <u>328</u>		Working Pressure: P _w <u>338</u>
Temperature: T <u>54</u>	F <u>0.850</u>		F _{pv} (From Tables) <u>1.043</u>
			Gravity <u>0.710</u>

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

$$Q = 12.365 \times 328 \times 1.0058 \times .9193 \times 1.043 \quad 3911 \quad \text{MCF/D}$$

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

$$Aof \left(\frac{1,079,521}{957,021} \right)^n \quad 1.1280^{.85} \times 3911 = 1.1078 \times 3911$$

$$Aof \quad 4333 \quad \text{MCF/D}$$

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

L. D. Galloway



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