

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 31, 1957

Operator El Paso Natural Gas Company		Lease Rincon Unit # 89	
Location 890'S, 890'E, Sec. 13-27-7		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Wildcat	
Casing: Diameter 5½	Set At: Feet 3315	Tubing: Diameter 1¼	Set At: Feet 3225
Pay Zone: From 3209	To 3234	Total Depth: 3315 - c/o - 3245	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1065	- 12 = PSIA 1077	Days Shut-In 11	Shut-In Pressure, Tubing PSIG 1066
Flowing Pressure: P PSIG 160		- 12 = PSIA 172	Working Pressure: P _w PSIG 166
Temperature: T 53	°F	n = .85	Fpv (From Tables) 1.017
			Gravity .640

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

$$C \quad 14.1605 \times 172 \times 1.0068 \times .9682 \times 1.017 = 2415 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,162,081}{1,130,400} \right)^{.85} \times 2415 = 1.0238 \times 2415$$

NOTES: 1,162,081	
1,130,400	
Aof 2472 MCF-D	
TESTED BY R. A. Ullrich	
WITNESSED BY	
DATE	



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