

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 4-26-71

Operator El Paso Natural Gas Company		Lease Atlantic A No. 10	
Location 1130' S, 810' W, S 29, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Elanco	
Casing: Diameter 2.875	Set At: Feet 2874	Tubing: Diameter no tubing	Set At: Feet .
Pay Zone: From 2738	To 2762	Total Depth: 2913	Shut In 4-17-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 970	+ 12 = PSIA 982	Days Shut-In 9	Shut-In Pressure, Tubing PSIG ---	+ 12 = PSIA ---	
Flowing Pressure: P PSIG 371	+ 12 = PSIA 383		Working Pressure: P _w PSIG calculated	+ 12 = PSIA 479	
Temperature: T = 64 °F	F _t = .9962	n = .85	F _{pv} (From Tables) 1.036	Gravity .635	F _g = .9721

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

$$Q = 12.365 \times 383 \times .9962 \times .9721 \times 1.036 = \underline{4751} \text{ MCF/D}$$

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

Note: Well blew light fog of H₂O throughout test.

$$Aof = \left(\frac{964324}{734883} \right)^n = 4751(1.3122)^{.85} = 4751(1.2597)$$

$$Aof = \underline{5985} \text{ MCF/D}$$

TESTED BY T. D. Norton

WITNESSED BY _____

H. L. Kendrick
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