

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 4-20-71

Operator El Paso Natural Gas Company		Lease Heaton No. 26	
Location 1750 S, 800 E, S 25, T31N. R11W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2743	Tubing: Diameter no tubing	Set At: Feet .
Pay Zone: From 2590	To 2632	Total Depth: 2743	Shut In 4-9-71
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 868	+ 12 = PSIA 880	Days Shut-In 11	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 234	+ 12 = PSIA 246		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 302	
Temperature: T = 71 °F	Ft = .9896	n = .85	Fpv (From Tables) 1.024	Gravity .675	Fg = .9427

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

$$Q = 12.365 \times 246 \times .9896 \times .9427 \times 1.024 = \underline{2906} \text{ MCF/D}$$

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

Note: Well blew light fog of water and distillate throughout test.

$$Aof = \left(\frac{774400}{683196} \right)^n = 2906(1.1334)^{.85} = 2906 (1.1123)$$

$$Aof = \underline{3232} \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____



H. L. Kendrick
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