

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

Operator El Paso Natural Gas Company		Lease Atlantic C No. 9	
Location 810 N, 1475 W, S 31, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2778	Tubing: Diameter no tubing	Set At: Feet .
Pay Zone: From 2668	To 2690	Total Depth: 2825	Shut In 4-10-71
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 914	+ 12 = PSIA 926	Days Shut-In 10	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 122	+ 12 = PSIA 134		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 166	
Temperature: T = 62 °F	n = .85		Fpv (From Tables) 1.012	Gravity .635	Fg = .9721

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

$$Q = 12.365 \times 134 \times .9981 \times .9721 \times 1.012 = \underline{1627} \text{ MCF/D}$$

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

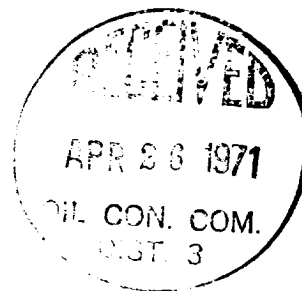
Note: Well blew light fog of water and distillate throughout test.

$$Aof = \left(\frac{857476}{829920} \right)^n = 1627(1.0332)^{.85} = 1627(1.0281)$$

$$Aof = \underline{1673} \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____



H. L. Kendrick
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