

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 9/18/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #178	
Location 990/N, 1650/W, Sec. 14-T25N-R6W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2759	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2633	To 2704	Total Depth: 2759	Shut In 9/8/72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 839	+ 12 = PSIA 851	Days Shut-In 10	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 42	+ 12 = PSIA 54	Working Pressure: Pw PSIG calculated	+ 12 = PSIA 67		
Temperature: T = 61 °F	Ft = .9990	n = .85	Fpv (From Tables) 1.004	Gravity .700	Fg = .9258

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

$$Q = (12.365)(54)(.9990)(.9258)(1.004) = \underline{620} \text{ MCF/D}$$

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

$$Aof = \left(\frac{724 \ 201}{719 \ 712} \right)^n = (620)(1.0062)^{.85} = (620)(1.0053)$$

$$Aof = \underline{623} \text{ MCF/D}$$

TESTED BY Carl Rhames

WITNESSED BY _____

NOTE: Well produced dry gas throughout test.

J. A. Jones
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Well Test Engineer