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EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 1/11/73

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #177 (PC)	
Location 1500/N, 900/W, Sec. 10, T25N, R6W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool So. Flanco	
Casing: Diameter 2.875	Set At: Feet 2877	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2774	To 2806	Total Depth: 2877	Shut In 12/3/72
Stimulation Method SWP		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 698	+ 12 = PSIA 710	Days Shut-In 39	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 474	+ 12 = PSIA 486	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 614		
Temperature: T = 63 °F	Ft = .9971	n =	Fpv (From Tables) 1.061	Gravity .700	Fg = .9258

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

$$Q = (12.365)(486)(.9971)(.9258)(1.061) = 5886 \text{ MCF/D}$$

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

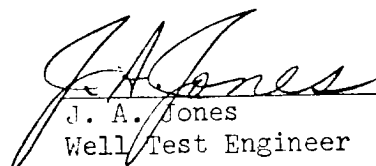
$$Aof = Q \left(\frac{504100}{127104} \right)^n = (5886)(3.9660)^{.85} = (5886)(3.2256)$$

$$Aof = 18,984 \text{ MCF/D}$$

NOTE: Well produced a medium fog of distillate and water throughout test.

TESTED BY J. Jones

WITNESSED BY _____


J. A. Jones
Well Test Engineer