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EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 1/4/73

Operator EL PASO NATURAL GAS COMPANY		Lease Klein #18 (PC)	
Location 1800/S, 1800/E, Sec. 34, T26N, R6W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2977	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2858	To 2878	Total Depth: 2977	Shut In 12/13/72
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 672	+ 12 = PSIA 684	Days Shut-In 22	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 77	+ 12 = PSIA 89	Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 111		
Temperature: T = 53 °F      Ft = 1.007	n = .85	Fpv (From Tables) 1.009	Gravity .675	Fg = .9427	

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

$$Q = (12.365)(89)(1.007)(.9427)(1.009) = \underline{1054} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{467856}{455535} \right)^n = 1054 (1.0271)^{.85} = 1054 (1.0229)$$

$$Aof = \underline{1078} \text{ MCF/D}$$

NOTE: The well produced dry gas.

TESTED BY Norton

WITNESSED BY \_\_\_\_\_

*William D. Welch*  
William D. Welch  
Well Test Engineer

