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EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 1/11/73

Operator EL PASO NATURAL GAS COMPANY		Lease Turner #5	
Location <u>1700/N, 842/W, Sec. 18, T30N, R9W</u>		County San Juan	State NM
Formation Pictured Cliffs <del>FE</del>		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3063	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2970	To 3033	Total Depth: 3063	Shut In 1/4/73
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 463	+ 12 = PSIA 475	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 19	+ 12 = PSIA 31		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 39	
Temperature: T = 53 °F	Ft = 1.007	n = .85	Fpv (From Tables) 1.003	Gravity .635	Fg = .9721

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

$$Q = (12.365)(31)(1.007)(.9721)(1.003) = \underline{\quad 376 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{225625}{224104} \right)^n = 376 (1.0068)^{.85} = 376 (1.0058)$$

$$Aof = \underline{\quad 379 \quad} \text{ MCF/D}$$

NOTE: The well blew a light mist of water and distillate throughout test.

TESTED BY W. Welch

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

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