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EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 1/10/73

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #175	
Location 800/N, 890/E. Sec. 33, T25N, R6W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2310	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2222	To 2288	Total Depth: 2310	Shut In 1/3/73
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 643	+ 12 = PSIA 655	Days Shut-In 7	Shut-In Pressure, Tubing PSIG + 12 = PSIA		
Flowing Pressure: P PSIG 237	+ 12 = PSIA 249	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 300		
Temperature: T = 62 °F	F _t = .9981	n = .85	F _p (From Tables) 1.028	Gravity .700	F _g = .9258

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

$$Q = (12.365)(249)(.9981)(.9258)(1.028) = \underline{2925} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{429025}{339025} \right)^n = 2925 (1.2655)^{.85} = 2925 (1.2216)$$

$$Aof = \underline{3573} \text{ MCF/D}$$

NOTE: Well produced dry gas throughout test.

TESTED BY B. Broughton

WITNESSED BY _____

William D Welch
William D. Welch
Well Test Engineer

