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EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 12/27/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #180	
Location 890/N, 800/E, Sec. 23, T25N, R7W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2760	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2630	To 2714	Total Depth: 2760	Shut In 12/20/72
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 452	+ 12 = PSIA 464	Days Shut-In 7	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG 156	+ 12 = PSIA 168	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 208		
Temperature: T = 59 °F	F _t = 1.001	n = .85	F _{pv} (From Tables) 1.020	Gravity .700	F _g = .9258

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

$$Q = (12.365)(168)(1.001)(.9258)(1.020) = \underline{1964} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{215296}{172032} \right)^n = 1964 (1.2515)^{.85} = 1964 (1.2101)$$

$$Aof = \underline{2376} \text{ MCF/D}$$

NOTE: Well blew dry gas throughout test.

TESTED BY Roger Hardy

WITNESSED BY _____

William D. Welch
William D. Welch
Well Test Engineer

