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EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

RETEST

DATE 12/6/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #178 (CH)	
Location 990/N, 1650/W, Sec. 14, T25N, R6W		County Rio Arriba	State NM
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3759	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3550	To 3658	Total Depth: 3759	Shut In 11/29/72
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 706	+ 12 = PSIA 718	Days Shut-In 7	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG 63	+ 12 = PSIA 75	Working Pressure: P <sub>w</sub> PSIG	Calculated	+ 12 = PSIA	
Temperature: T = 54 °F	F <sub>t</sub> = 1.006	n = .75	F <sub>pv</sub> (From Tables) 1.009	Gravity .660	F <sub>g</sub> = .9535

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

$$Q = (12.365)(75)(1.006)(.9535)(1.009) = 898 \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{515524}{505920} \right)^n = (898)(1.0189)^{.75} = (898)(1.0142)$$

$$Aof = 911 \text{ MCF/D}$$

NOTE: Well produced a light mist of water thru test.

TESTED BY Norton and Broughton

WITNESSED BY

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

