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EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 1/17/73

Operator EL PASO NATURAL GAS COMPANY		Lease Dryden #7	
Location 1080/S, 1650/W, Sec. 28, T28N, R8W		County San Juan	State NM
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2267	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2122	To 2186	Total Depth: 2267	Shut In 1/9/73
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 977	+ 12 = PSIA 989	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 68	+ 12 = PSIA 80	Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 96		
Temperature: T = 56 °F      F <sub>t</sub> = 1.004	n = .85	F <sub>pv</sub> (From Tables) 1.007	Gravity .645	F <sub>g</sub> = .9645	

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

$$Q = (12.365)(80)(1.004)(.9645)(1.007) = \underline{965} \text{ MCF/D}$$

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

$$A_{of} = Q \left( \frac{978121}{968905} \right)^n = 965 (1.0095)^{.85} = 965 (1.0081)$$

$$A_{of} = \underline{972} \text{ MCF/D}$$

NOTE: Well blew dry gas

TESTED BY Hardy

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

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