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EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 17, 1972

Operator El Paso Natural Gas Company		Lease Callison No. 1	
Location C50/S, 990/W, Sec. 29 T31N, R 11W		County San Juan	State New Mexico
Formation Fractured Cliffs		Pool Aztec	
Casing: Diameter 2.075	Set At: Feet 2518	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2360	To 2396	Total Depth: 2518	Shut In 8-10-72
Stimulation Method SWF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 601	+ 12 = PSIA 613	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 109	+ 12 = PSIA 121	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 148		
Temperature: T = 64 °F	F _t = .9962	n = .85	F _p v (From Tables) 1.010	Gravity .635	F _g = .9721

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

$$Q = (12.365)(121)(.9962)(.9721)(1.010) = 1463 \text{ MCF/D}$$

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

NOTE: Produced medium mist of water and distillate throughout the test.

$$Aof = \left(\frac{375769}{35365} \right)^{.85} = (1.0619)^{.85} (1463) = (1.0524)(1463)$$

$$Aof = 1540 \text{ MCF/D}$$

TESTED BY J. A. Jones

WITNESSED BY _____



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