

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 8-5-71

Operator El Paso Natural Gas Company		Lease Day A No. 10	
Location 1800' S, 1500' E, S 18, T29N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3220	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3088	To 3118	Total Depth: 3220	Shut In 7-29-71
Stimulation Method S W F		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, 922	PSIG	+ 12 = PSIA 934	Days Shut-In 7	Shut-In Pressure, Tubing no tubing	PSIG
Flowing Pressure: P 63	PSIG	+ 12 = PSIA 75		Working Pressure: P _w calc.	PSIG
Temperature: T = 61 °F		n = .85		F _{pv} (From Tables) 1.007	Gravity .630 F _g = .9759

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

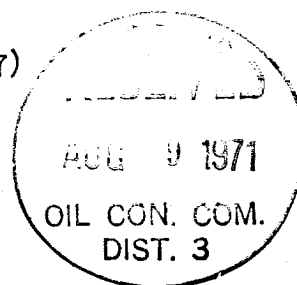
$$Q = 12.365 \times 75 \times .9990 \times .9759 \times 1.007 = \underline{\quad 910 \quad} \text{ MCF/D}$$

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

Note: Well blew dry gas throughout test.

$$A_{of} = \left(\frac{872356}{863331} \right)^n = 910(1.0104)^{.85} = 910(1.0087)$$

$$A_{of} = \underline{\quad 918 \quad} \text{ MCF/D}$$

TESTED BY T. D. Norton

WITNESSED BY _____

L. E. Mabe, Jr.