

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 3, 1969

Operator El Paso Natural Gas Co.		Lease Canyon Largo Unit No. 147	
Location 1750 N, 990 W- SW, 125N, R6W		County Rio Arriba	State New Mexico
Formation Chocoma		Pool Otero	
Casing: Diameter 8.75	Set At: Feet 3360	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3710	To 3020	Total Depth: 3360	Shut In 10-23-69
Stimulation Method S G F		Flow Through Casing N/A	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubing Loss Completion	
Shut-In Pressure, Casing, 927	PSIG	+ 12 = PSIA 939	Days Shut-In 11	Shut-In Pressure, Tubing no tubing	PSIG
Flowing Pressure: P _w 73	PSIG	+ 12 = PSIA 85		Working Pressure: P _w Calc.	PSIG
Temperature: T = 56 °F		n = .85		Fpv (From Tables) 1.0039	Gravity .860
	Ft = .0039				Fg = .9608

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

$$Q = 12.365 \times 73 \times 1.0039 \times .9608 \times 1.009 = 873 \text{ MCF/D}$$

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

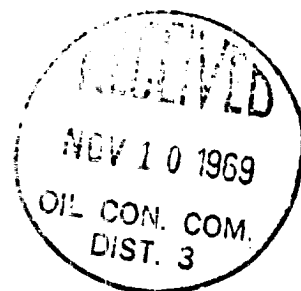
Note: Blew mist of water throughout test.

$$Aof = \left(\frac{881721}{872565} \right)^n = (1.0104)^{.85} 873 = 1.0038 (878)$$

$$Aof = 886 \text{ MCF/D}$$

TESTED BY BJB

WITNESSED BY _____



R. E. Stanley