

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

Operator El Paso Natural Gas Co.		Lease Klein No. 12	
Location 1650 S-1700 W- E 34- T26N- R6W		County Rio Arriba	State New Mexico
Formation Chocoma		Pool Otero	
Casing: Diameter 2.575	Set At: Feet 3011	Tubing: Diameter no tubing	Set At: Feet XXX
Pay Zone: From 37.0	To 3830	Total Depth: 3011	Shut In 10-05-69
Stimulation Method S M R		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 874	+ 12 = PSIA 886	Days Shut-In 9	Shut-In Pressure, Tubing PSIG XXX	+ 12 = PSIA XXX	
Flowing Pressure: P PSIG 88	+ 12 = PSIA 100	Working Pressure: P _w PSIG Calc	+ 12 = PSIA 112		
Temperature: T = 57 °F	n = 1.0029	F _{pv} (From Tables) 1.009	Gravity .650	F _g =	

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

$$Q = 12.365 \times 100 \times 1.0029 \times .9608 \times 1.009 = 1202 \text{ MCF/D}$$

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

Note: Well produced light fog of water throughout test.
Corrected Copy

$$Aof = \left(\frac{784996}{767595} \right)^n = (1.0225)^{.75} 1202 = 1.0168 \times 1202$$

$$Aof = 1222 \text{ MCF/D}$$

TESTED BY BJB

WITNESSED BY _____

