

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- S 34- T26N- R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3911	Tubing: Diameter no tubing	Set At: Feet XXX
Pay Zone: From 3750	To 3880	Total Depth: 3911	Shut In 10-25-69
Stimulation Method S W F		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 896	Days Shut-In 9	Shut-In Pressure, Tubing PSIG XXX	+ 12 = PSIA XXX	
Flowing Pressure: P • PSIG 86	+ 12 = PSIA 100	Working Pressure: P _w PSIG Calc	+ 12 = PSIA 132		
Temperature: T = 57 °F F = 1.0029	n = .85	F _{pv} (From Tables) 1.009	Gravity .650	F _g = .9608	

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

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

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

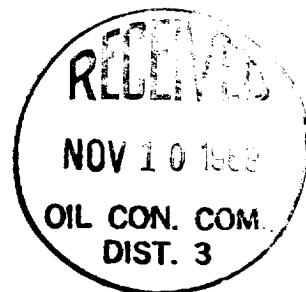
Note: Well produced light fog of water throughout test.

$$A_{of} = \left(\frac{784996}{767695} \right)^n = (1.0225)^{.85} 1202 = 1.0202 \times 1202$$

$$A_{of} = 1226 \text{ MCF/D}$$

TESTED BY BJB

WITNESSED BY _____



[Handwritten Signature]