

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 24, 1969

Operator El Paso Natural Gas Co.		Lease Canyon Largo Unit No. 154	
Location 1550 N, 990 W, S 12, T25N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.675	Set At: Feet 3941	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3750	To 3782	Total Depth: 3941	Shut In 11-15-69
Stimulation Method SWP		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, 852	PSIG + 12 = PSIA 864	Days Shut-In 2	Shut-In Pressure, Tubing no tubing	PSIG + 12 = PSIA	
Flowing Pressure: P 92	PSIG + 12 = PSIA 104		Working Pressure: Pw Calc.	PSIG + 12 = PSIA 137	
Temperature: T = 55 °F	n = Ft = 1.0048		Fpv (From Tables) 1.009	Gravity .670	Fg = .9463

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

$$Q = 12.365 \times 104 \times 1.0048 \times .9463 \times 1.009 = 1234 \text{ MCF/D}$$

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

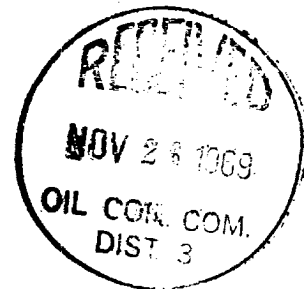
Note: Well blew light fog of H₂O and dist. throughout blow.

$$Aof = \left(\frac{746496}{727727} \right)^n = (1.0258)^{.85} 1234 = 1.0214 \times 1234$$

$$Aof = 1260 \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____



E. R. Keedwell