

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

Operator El Paso Natural Gas Co.		Lease Canyon Largo Unit No. 152	
Location T00 S, 1520 E, S 1, T85N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.375	Set At: Feet 3214	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 375'	To 3860	Total Depth: 3214	Shut In 11-15-69
Stimulation Method GEL		Flow Through Casing N/A	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Shut-In Pressure, Casing, PSIG 120		Shut-In Pressure, Tubing, PSIG no tubing	
+ 12 = PSIA 132		Days Shut-In 9		+ 12 = PSIA 132		+ 12 = PSIA 132	
Flowing Pressure: P 120		+ 12 = PSIA 132		Working Pressure: P _w 120		+ 12 = PSIA 132	
Temperature: T = 57 °F		n = 1.0029		F _{pv} (From Tables) 1.012		Gravity .670	
F _g = .9463						F _g = .9463	

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

$$Q = 12.365 \times 120 \times 1.0029 \times .9463 \times 1.012 = 1425 \text{ MCF/D}$$

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

Note: Produced light fog of water
and dist. throughout test.
Corrected Copy.

$$Aof = \left(\frac{755161}{730197} \right)^n = (1.0342)^{.75} 1425 = 1.0255 (1425)$$

$$Aof = 1461 \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____

