

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 800 S, 1520 E, S 1, T25N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.375	Set At: Feet 3914	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3758	To 3860	Total Depth: 3914	Shut In 11-15-69
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 857	+ 12 = PSIA 869	Days Shut-In 9	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 120	+ 12 = PSIA 132	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 144		
Temperature: T = 57 °F	n = 1.0029	Fpv (From Tables) 1.012	Gravity .670	Fg = .9463	

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

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

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

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

$$Aof = \left(\frac{755161}{730197} \right)^n = (1.0342)^{.85} 1425 = 1.0289 (1425)$$

$$Aof = 1466 \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____



B. J. Broughton