

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 22, 1969

Operator El Paso Natural Gas Co.		Lease Canyon Largo Unit No. 149	
Location 1650 S, 1650 E, 33, T25N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.375	Set At: Feet 3922	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 768	To 3976	Total Depth: 3922	Shut In 11-13-69
Stimulation Method GIP		Flow Through Casing xxx	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 115	+ 12 = PSIA 127	Days Shut-In 9	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 113	+ 12 = PSIA 125	Working Pressure: P _w PSIG calc.	+ 12 = PSIA 137		
Temperature: T = 56 °F	n =	F _{pv} (From Tables) 1.012	Gravity .670	F _g = .9463	

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

$$Q = 12.365 \times 115 \times 1.0039 \times .9463 \times 1.012 = \underline{1367} \text{ MCF/D}$$

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

Note: Light fog of water throughout test.

Corrected Copy.

$$Aof = \left(\frac{377969}{864744} \right)^n = (1.0153)^{.75} 1367 = (1.0115)(1367)$$

$$Aof = \underline{1383} \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY _____


