

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, S3, T25N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3922	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3763	To 3876	Total Depth: 3922	Shut In 11-13-69
Stimulation Method GELF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 985	+ 12 = PSIA 997	Days Shut-In 9	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 103	+ 12 = PSIA 115	Working Pressure: Pw PSIG calc.	+ 12 = PSIA 127		
Temperature: T = 56 °F	n = 0.85	Fpv (From Tables) 1.012	Gravity .670	Fg = .9463	

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

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

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

Note: Light fog of water throughout test.

$$A_{of} = \left(\frac{877969}{864744} \right)^n = (1.0153)^{.85} 1367 = (1.0127)(1367)$$

$$A_{of} = \underline{1384} \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

OIL & GAS DIV.
DIST. 3*J. B. Goodwin*