

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 3, 1969

Operator El Paso Natural Gas Co.		Lease Canyon Largo Unit No. 150	
Location 800 N- 1180 W- S3-T25N-R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.075	Set At: Feet 3940	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 374	To 3883	Total Depth: 3940	Shut In 10-20-69
Stimulation Method S W F		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .770		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 852	+ 12 = PSIA 864	Days Shut-In 14	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 221	+ 12 = PSIA 233	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA		
Temperature: T = 59 °F Fr = 1.0010	n = .75	Fpv (From Tables) 1.028	Gravity .650	Fg = .9608	

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

$$Q = 12.365 \times 221 \times 1.0010 \times .9608 \times 1.028 = 2702 \text{ MCF/D}$$

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

Note: Blew very light mist of water throughout test.
Corrected Copy.

$$Aof = \left(\frac{746496}{660761} \right)^n = (1.1297)^{.75} 2702 = 1.0958(2702)$$

$$Aof = 2961 \text{ MCF/D}$$

TESTED BY BJB

WITNESSED BY _____

