

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA*Corrected Report*DATE November 3, 1969

Operator El Paso Natural Gas Co.		Lease Canyon Largo Unit No. 147	
Location 1750 N, 590 W- S2, 125N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.575	Set At: Feet 3869	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3714	To 3820	Total Depth: 3869	Shut In 10-23-69
Stimulation Method S W P		Flow Through Casing JOC	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 927	+ 12 = PSIA 939	Days Shut-In 11	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 61	+ 12 = PSIA 73	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 85		
Temperature: T = 56 °F F = 1.0039	n = .85	Fpv (From Tables) 1.009	Gravity .650	Fg = .9608	

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

$$Q = 12.365 \times 73 \times 1.0039 \times .9608 \times 1.009 = 878 \text{ MCF/D}$$

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

Note: Blew mist of water throughout test.
Corrected Copy

$$Aof = \left(\frac{681721}{872568} \right)^n = (1.0104)^{.85} 878 = 1.0088 (878)$$

$$Aof = 886 \text{ MCF/D}$$

TESTED BY BJB

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