

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

Operator El Paso Natural Gas Co.		Lease Canyon Largo Well No. 191	
Location 1750 N, 800 W, SL-TP5H- R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 8.275	Set At: Feet 3900	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3736	To 3912	Total Depth: 3900	Shut In 10-23-69
Stimulation Method S W F		Flow Through Casing no	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubing loss completion	
Shut-In Pressure, Casing, PSIG 912	+ 12 = PSIA 924	Days Shut-In 11	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 97	+ 12 = PSIA 109	Working Pressure: Pw PSIG Cale	+ 12 = PSIA 120		
Temperature: T=56 °F	Ft=1.0039	n = .85	Fpv (From Tables) 1.009	Gravity .650	Fg = .9608

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

$$Q = 12.365 \times 99 \times 1.0039 \times .9608 \times 1.009 = \underline{1191} \text{ MCF/D}$$

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

Note: Blew light mist of water and distillate throughout test.

$$Aof = \left(\frac{853776}{836894} \right)^n = (1.0201)^{.85} 1191 = (1.0171) 1191$$

$$Aof = \underline{1211} \text{ MCF/D}$$

TESTED BY BJB

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