

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 3-13-70

Operator El Paso Natural Gas Co.		Lease Canyon Largo Unit No. 156	
Location 920S, 1850W, S14, T25N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2755	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2604	To 2688	Total Depth: 2755	Shut In 3-3-70
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 602	+ 12 = PSIA 614	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 93	+ 12 = PSIA 105	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 129		
Temperature: T = 61 °F	Ft = .9990	n = .85	Fpv (From Tables) 1.009	Gravity .650	Fg = .9608

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

$$Q = 12.365 \times 105 \times .9990 \times .9608 \times 1.009 = \underline{1257} \text{ MCF/D}$$

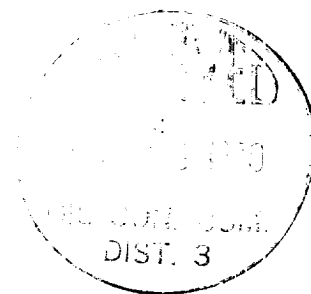
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{376996}{360355} \right)^n = 1257 (1.0461)^{.85} = 1257 (1.0390)$$

$$Aof = \underline{1306} \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____



H. L. Kendrick
H. L. Kendrick