

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 3-26-70

Operator El Paso Natural Gas Co.		Lease Canyon Largo Unit No. 157	
Location 810S, 1460E, S27, T25N, R7W		County Rio Arriba	State New Mexico
Formation Picturea Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2796	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2713	To 2733	Total Depth: 2796	Shut In 3-18-70
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 430	+ 12 = PSIA 442	Days Shut-In	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 182	+ 12 = PSIA 194		Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 241	
Temperature: T = 61 °F	n = .85		F _{pv} (From Tables) 1.019	Gravity .660	F _g = .9535

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

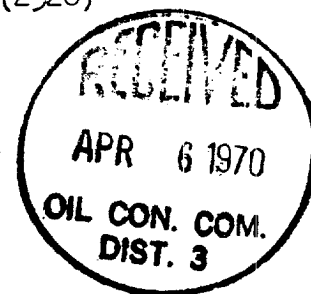
$$Q = (12.365)(194)(.9990)(.9535)(1.019) = 2,328 \text{ MCF/D}$$

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

Note: Blew clear gas 3 hrs.

$$Aof = \left(\frac{195,364}{137,283} \right)^n = (1.4231)^{.85} (2328) = (1.3497)(2328)$$

$$Aof = 3,142 \text{ MCF/D}$$

TESTED BY J. B. Goodwin

WITNESSED BY _____

H. L. Kendrick
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