

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 21, 1969

Operator El Paso Natural Gas Company		Lease Canyon Largo No. 145	
Location 1050S, 990W, S2-T24N-R7W		County Rio Arriba	State New Mexico
Formation Ballard		Pool Pictured Cliffs	
Casing: Diameter 2.875	Set At: Feet 2601	Tubing: Diameter No tubing	Set At: Feet ----
Pay Zone: From 2481	To 2497	Total Depth: 2601	Shut In 7-22-69
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 419	PSIG	+ 12 = PSIA 431	Days Shut-In 30	Shut-In Pressure, Tubing No tubing	PSIG
Flowing Pressure: P 197	PSIG	+ 12 = PSIA 209		Working Pressure: P _w Calculated	PSIG
Temperature: T = 68 °F		n = .85		F _{pv} (From Tables) 1.019	Gravity .650
	F _t = .9924				F _g = .9608

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

$$Q = (12.365)(209)(.9924)(.9608)(1.019) = \underline{2511} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{185,761}{120,736} \right)^n = 2511 \times (1.5385)^{.85} = 2511 \times 1.4420$$

Note: Blew clean dry gas throughout test.

$$A_{of} = \underline{3621} \text{ MCF/D}$$

TESTED BY JBG

WITNESSED BY _____

H. L. Kendrick
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