

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 21, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #195	
Location 1650/N, 1651/E, Sec. 26, T25N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2741'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2680	To 2710	Total Depth: 2741	Shut In 11-9-73
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 437	+ 12 = PSIA 449	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 92	+ 12 = PSIA 104		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 129	
Temperature: T = 55 °F	n = .85		F _{pv} (From Tables) 1.009	Gravity .700	F _g = .9258

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

$$Q = (12.365)(104)(1.005)(.9258)(1.009) = \underline{\quad 1207 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{201601}{184960} \right)^n = 1207 (1.0900)^{.85} = 1207 (1.0760)$$

$$Aof = \underline{\quad 1299 \quad} \text{ MCF/D}$$

Note: Light fog of water and drip throughout the test.

TESTED BY Norton

WITNESSED BY _____



William D. Welch
Well Test Engineer

