

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 23, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #229	
Location 1630/S, 1140/E, Sec. 14, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2644'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2554	To 2572	Total Depth: PBD 2644 2634	Shut In 4-15-74
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 796	+ 12 = PSIA 808	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --
Flowing Pressure: P PSIG 241	+ 12 = PSIA 253		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 312
Temperature: T = 64 °F	n = Ft = .9962		Fpv (From Tables) 1.030	Gravity .700 Fg = .9258

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_f \times F_g \times F_{pv}$$

$$Q = 12.365(253)(.9962)(.9258)(1.0300) = \underline{\hspace{2cm}} 2972 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{652864}{555520} \right)^n = 2972(1.1752)^{.85} = 2972(1.1471)$$

$$Aof = \underline{\hspace{2cm}} 3409 \text{ MCF/D}$$

Note: The well blew a dry gas.

TESTED BY Fothergill

WITNESSED BY _____

Loren W. Fothergill
Loren W. Fothergill
Well Test Engineer

