

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 23, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #230	
Location 900/N, 800/E, Sec. 15, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2802'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2708'	To 2720'	Total Depth: PBTD 2802' 2793'	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 822	+ 12 = PSIA 834	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --
Flowing Pressure: P PSIG 185	+ 12 = PSIA 197		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 245
Temperature: T = 61 °F	n = Ft = .9990		F _{pv} (From Tables) 1.022	Gravity .700 F _g = .9258

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

$$Q = 12.365(197)(.9990)(.9258)(1.022) = \underline{\quad 2302 \quad} \text{MCF/D}$$

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

$$Aof = Q \left(\frac{695556}{635531} \right)^n = 2302(1.0944)^{.85} = 2302(1.0797)$$

$$Aof = \underline{\quad 2486 \quad} \text{MCF/D}$$

Note: The well blew dry gas.

TESTED BY Fothergill

WITNESSED BY _____

Loren W Fothergill
Loren W. Fothergill
Well Test Engineer

