

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 1, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #204	
Location 850/N, 925/E, Sec. 11, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing Diameter 2.875	Set At: Feet 2978'	Tubing Diameter No Tubing	Set At: Feet --
Pay Zone: From 2864	To 2910	Total Depth: PSTD 2978' 2968'	Shut In 4-17-74
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 794	+ 12 = PSIA 806	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 88	+ 12 = PSIA 100		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 125	
Temperature: T = 60 °F	n = Ft = 1.000 .85		F _{pv} (From Tables) 1.011	Gravity .700	F _g = .9258

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

$$Q = 12.365(100)(1.0000)(.9258)(1.0110) = \underline{1157} \text{ MCF/D}$$

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

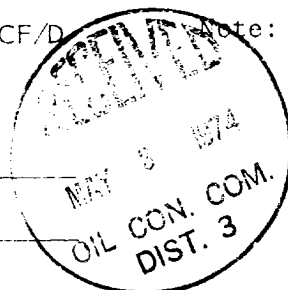
$$Aof = Q \left(\frac{649636}{634011} \right)^n = 1157(1.0246)^{.85} = 1157(1.0209)$$

$$Aof = \underline{1182} \text{ MCF/D}$$

Note: The well produced a very light mist of water.

TESTED BY Fothergill

WITNESSED BY _____



Loren W. Fothergill
Loren W. Fothergill
Well Test Engineer