

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 8, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #201	
Location 1840/S, 1775/E, Sec. 3, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3025'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2904	To 2944'	Total Depth: PSTD 3025' 3013'	Shut In 4-22-74
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 842	+ 12 = PSIA 854	Days Shut-In 16	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 63	+ 12 = PSIA 75	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 94		
Temperature: T = 61 °F	F _t = .9990	n = .85	F _{pv} (From Tables) 1.011	Gravity .700	F _g = .9258

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

$$Q = 12.365(75)(.9990)(.9258)(1.0110) = \underline{867} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{729316}{720480} \right)^n = 867(1.0123)^{.85} = 867(1.0104)$$

$$Aof = \underline{876} \text{ MCF/D}$$

Note: The well produced a dry flow.

TESTED BY Goodwin

WITNESSED BY _____



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Well Test Engineer