

o/c

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 1/18/73

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #170	
Location 1500/W, 1100/W, Sec. 4, T25N, R6W		County Rio Arriba	State NM
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3437	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3310	To 3422	Total Depth: 3487	Shut In 1/10/73
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 490	+ 12 = PSIA 502	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 7	+ 12 = PSIA 19	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 24		
Temperature: T = 54 °F F _t = 1.006	n = .75	F _p v (From Tables) 1.004	Gravity .660	F _g = .9535	

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

$$Q = (12.365)(19)(1.006)(.9535)(1.004) = \underline{226} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{252004}{251428} \right)^n = 226 (1.0022)^{.85} = 226 (1.0019)$$

$$Aof = \underline{227} \text{ MCF/D}$$

NOTE: The well produced big slugs of water through test.

TESTED BY Hardy

WITNESSED BY _____

William D. Welch
William D. Welch
Well Test Engineer

