

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 12/20/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #177 (CH)	
Location 1500/N, 900/W, Sec. 10, T25N-R6W		County Rio Arriba	State NM
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3808	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3642	To 3752	Total Depth: 3808	Shut In 12/13/72
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 624	+ 12 = PSIA 636	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 123	+ 12 = PSIA 135	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 176		
Temperature: T = 57 °F	F _t = 1.003	n = .75	F _{pv} (From Tables) 1.013	Gravity .660	F _g = .9535

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

$$Q = (12.365)(135)(.9535)(1.013)(1.003) = \underline{1617} \text{ MCF/D}$$

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


$$Aof = Q \left(\frac{404496}{373520} \right)^n = 1617 (1.0829)^{.75} = 1617 (1.0616)$$

$$Aof = \underline{1717} \text{ MCF/D}$$

NOTE: Well produced a light spray of water and oil thru test.

TESTED BY Roger Hardy

WITNESSED BY _____



William D. Welch
 William D. Welch
 Well Test Engineer