

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 12/20/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #184	
Location 990/N, 1650/E, Sec. 12, T25N, R6W		County Rio Arriba	State NM
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3889	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3724	To 3838	Total Depth: 3889	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 617	+ 12 = PSIA 629	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 144	+ 12 = PSIA 156	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 205		
Temperature: T = 58 °F	n = F _t = 1.002	F _p (From Tables) 1.015	Gravity .660	F _g = .9535	

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

$$Q = (12.365)(156)(1.002)(.9535)(1.015) = \underline{1871} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{395641}{353616} \right)^n = 1871 (1.1188)^{.75} = 1871 (1.0879)$$

$$Aof = \underline{2035} \text{ MCF/D}$$

NOTE: Well blew dry gas.

TESTED BY Roger Hardy

WITNESSED BY _____

William D. Welch
William D. Welch
Well Test Engineer