

JCC

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

RETEST

DATE 12/8/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #178 (PC)	
Location 990/N, 1650/W, Sec. 14, T25N, R6W		County Rio Arriba	State NM
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2759	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2688	To 2704	Total Depth: 2759	Shut In 11/29/72
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 763	+ 12 = PSIA 775	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 93	+ 12 = PSIA 105		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 130	
Temperature: T = 51 °F	F _t = 1.009	n = .85	F _{pv} (From Tables) 1.012	Gravity .700	F _g = .9258

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

$$Q = (12.365)(105)(1.009)(.9258)(1.012) = 1227 \text{ MCF/D}$$

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

$$Aof = \left(\frac{600 \ 625}{583 \ 725} \right)^n = (1227)(1.0290)^{.85} = (1227)(1.0246)$$

$$Aof = 1258 \text{ MCF/D}$$

NOTE: Well produced a light mist of water throughout test.

TESTED BY B. J. Broughton

WITNESSED BY

CORRECTED COPY

J. A. Jones
J. A. Jones
Well Test Engineer

