

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 9/26/72

Operator EL PASO NATURAL GAS COMPANY		Lease Canyon Largo Unit #178	
Location 990/A, 1650/A, Sec. 14-T25-N-R6W		County Rio Arriba	State NM
Formation Chaco		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3759	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3550	To 3653	Total Depth: 3759	Shut In 9/12/72
Stimulation Method SNF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 752	+ 12 = PSIA 764	Days Shut-In 7	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 25	+ 12 = PSIA 37		Working Pressure: Pw PSIG calculated	+ 12 = PSIA 48
Temperature: T = 53 °F	Ft = 1.002	n = .75	Fpv (From Tables) 1.004	Gravity .660 Fg = .9535

CHOKE VOLUME = Q = C x P_f x F_t x F_g x F_{pv}

Q = (12.365)(37)(1.002)(.9535)(1.004) = 439 MCF/D

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

Aof = $\left(\frac{583 \ 696}{581 \ 392} \right)^n = (439)(1.0040)^{.75} = (439)(1.0030)$

Aof = 440 MCF/D

NOTE: Well produced a medium spray of water throughout test.

TESTED BY Carl Rhames

WITNESSED BY _____



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