

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE June 22, 1972

Operator El Paso Natural Gas Company		Lease Stewart A Com B No. 3	
Location 800/S, 1180/W, Sec. 32-30N-10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2433	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2326	To 2360	Total Depth: 2433	Shut In 6-15-72
Stimulation Method S.W.F.		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 583	PSIG	+ 12 = PSIA 595	Days Shut-In 8,	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA
Flowing Pressure: P 71	PSIG	+ 12 = PSIA 83		Working Pressure: P _w Calculated	PSIG + 12 = PSIA 108
Temperature: T = 62 °F		n = .085		F _{pv} (From Tables) 1.007	Gravity .635 F _g = .9721

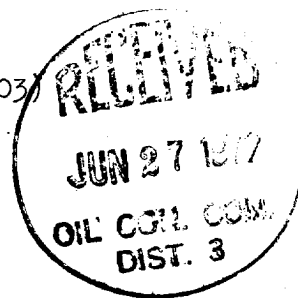
$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(83)(.9981)(.9721)(1.007) = \underline{\quad 1003 \quad} \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n \quad \text{NOTE: The well blew dry gas.}$$

$$Aof = \left(\frac{354025}{342361} \right)^n = (1.0341)^{.85} (1003) = (1.0289)(1003)$$

$$Aof = \underline{\quad 1032 \quad} \text{ MCF/D}$$

TESTED BY Norton

WITNESSED BY _____

L. E. Mabe, Jr.