

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 20, 1976

Operator El Paso Natural Gas Company		Lease Roelofs A #1-A	
Location NW 10-29N-8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5613'	Tubing: Diameter 2 3/8	Set At: Feet 5573'
Pay Zone: From 4660	To 5584'	Total Depth: 5620	Shut In 4-8-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, 658	PSIG	+ 12 = PSIA 670	Days Shut-In 12	Shut-In Pressure, Tubing 628	PSIG
				+ 12 = PSIA 640	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: P _w	PSIG
				+ 12 = PSIA	
Temperature: T = °F	Ft =	n =		F _{pv} (From Tables)	Gravity F _g =

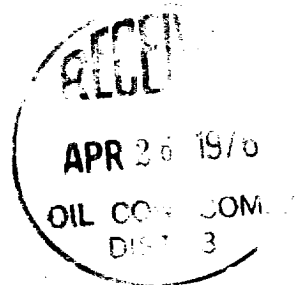
$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_f \times F_g \times F_{pv}$$

$$Q = \text{_____ MCF/D}$$

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

$$Aof = \left(\text{_____} \right)^n =$$

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



After frac gauge (used for sizing equipment only) = 2847

TESTED BY D. Norton

WITNESSED BY _____

C.R. Hagan
Well Test Engineer