

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 27, 1976

Operator El Paso Natural Gas Company		Lease Hardie A #2-A	
Location NW 24-29N-8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5968'	Tubing: Diameter 2 3/8"	Set At: Feet 5936'
Pay Zone: From 5030	To 5937'	Total Depth: PBD 5968' 5952'	Shut In 10-20-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 808	+ 12 = PSIA 820	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 504	+ 12 = PSIA 516	
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 =	

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

Q =

= _____ MCF/D

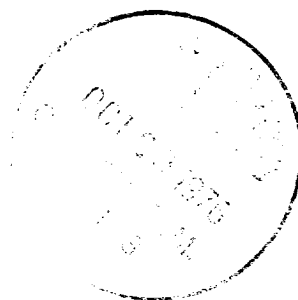
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{\quad}{\quad} \right)^n =$$

Aof = _____ MCF/D

TESTED BY liardie

WITNESSED BY _____



C.R. Wagner
Well Test Engineer