

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE December 26, 1978

Operator El Paso Natural Gas Company		Lease Hubbard #1-A	
Location NE 30-32-11		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5963'	Tubing: Diameter 2 3/8	Set At: Feet 5836'
Pay Zone: From 4753	To 5858	Total Depth: 5963'	Shut In 12-16-78
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 844	+ 12 = PSIA 856	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 240	+ 12 = PSIA 252	
Flowing Pressure: P PSIG	+ 12 = PSIA	Working Pressure: P _w PSIG	+ 12 = PSIA		
Temperature: T = °F Ft =	n =	Fpv (From Tables)	Gravity Fg =		

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

Q =

= _____ MCF/D

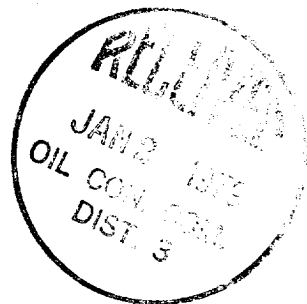
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

Aof = _____ MCF/D

TESTED BY C. Rhames

WITNESSED BY _____



C. D. Wagner
Well Test Engineer