

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE May 18, 1976

Operator El Paso Natural Gas Company		Lease Kelly A #1-A	
Location NW 15-31N-10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5605'	Tubing: Diameter PBT 2 3/8" 5588	Set At: Feet 5535'
Pay Zone: From 4647	To 5552	Total Depth: 5605	Shut In 5-11-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, 670	PSIG	+ 12 = PSIA 682	Days Shut-In 7	Shut-In Pressure, Tubing 442	PSIG + 12 = PSIA 454
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: P <sub>w</sub>	PSIG + 12 = PSIA
Temperature: T = °F	Ft =	n =		Fpv (From Tables)	Gravity Fg =

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

Q =

= \_\_\_\_\_ MCF/D

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

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

After frac gauge = 3999 MCF/D  
To be used for sizing equipment only.

Aof = \_\_\_\_\_ MCF/D

TESTED BY Hardy

WITNESSED BY \_\_\_\_\_



C.R. Wagner  
Well Test Engineer