

OPEN FLOW TEST DATA

DATE December 14, 1976

Operator El Paso Natural Gas Company		Lease Grambling #1-A	
Location SE 28, T29N, R9W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 4797'	Tubing: Diameter 2.375	Set At: Feet 4724'
Pay Zone: From 3772	To 4714	Total Depth: PBD 4797 4779	Shut In 12-7-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 676	+ 12 = PSIA 688	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 258	+ 12 = PSIA 270	
Flowing Pressure: P PSIG	+ 12 = PSIA	Working Pressure: P <sub>w</sub> PSIG	+ 12 = PSIA		
Temperature: T = °F Ft =	n =	F <sub>pv</sub> (From Tables)	Gravity F <sub>g</sub> =		

CHOKE VOLUME = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q =

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

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

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

A<sub>of</sub> = \_\_\_\_\_ MCF/D

TESTED BY \_\_\_\_\_

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

*H. E. McAnally*  
Well Test Engineer