

OPEN FLOW TEST DATA

DATE November 5, 1976

Operator El Paso Natural Gas Company		Lease Grambling #3-A	
Location NW Sec. 22, T29N, R 9W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 4848'	Tubing: Diameter 2 3/8"	Set At: Feet 4807'
Pay Zone: From 3775	To 4285	Total Depth: PBD 4848 4831	Shut In 10-29-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches --		Choke Constant: C --			
Shut-In Pressure, Casing, PSIG 621	+ 12 = PSIA 633	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 621	+ 12 = PSIA 633	
Flowing Pressure: P PSIG --	+ 12 = PSIA --		Working Pressure: P _w PSIG --	+ 12 = PSIA --	
Temperature: T = °F Ft =	n =		Fpv (From Tables)	Gravity Fg =	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

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 Norton

WITNESSED BY _____

C.R. Wagner
Well Test Engineer