

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 27, 1978

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Mudge #10-A</u>	
Location <u>SE 9-31-11</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Mesa Verde</u>		Pool <u>Blanco</u>	
Casing: Diameter <u>4 1/2</u>	Set At: Feet <u>5380'</u>	Tubing: Diameter <u>2 3/8</u>	Set At: Feet <u>5315'</u>
Pay Zone: From <u>4929</u>	To <u>5306'</u>	Total Depth: <u>5380</u>	Shut In <u>3-18-78</u>
Stimulation Method <u>Sandwater Frac</u>		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG <u>837</u>	+ 12 = PSIA <u>849</u>	Days Shut-In <u>9</u>	Shut-In Pressure, Tubing PSIG <u>680</u>	+ 12 = PSIA <u>692</u>	
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 =		

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

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 J. Thurstonson

WITNESSED BY _____

C. R. Hager
Well Test Engineer