## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE May 30, 1978

Operator El Paso Natural Gas Company  Location NW 26-32-11  Formation Mesa Verde		Barnes #4-A		
		County San Juan	State New Mexico	
		Pool Blanco		
Casing: Diameter 4.500	Set At: Feet 5950*	Tubing: Diameter 2 3/8	Set At: Feet 5899 *	
Pay Zone; From	То	Total Depth:	Shut In	
4769	5896	5950 <b>'</b>	5-20-78	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac			xx	

Choke Size, Inches		Choke Constan	t: C				
. 750		12.365					
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
			10		485	497	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
160		172			Calc.	349	
Temperature:		n =		Fpv (From Tables)		Gravity	
T= 63 °F F+=	.9971	. 75		1.016		.650	Fg = .9608

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

Q = 12.365(172)(.9971)(.9608)(1.016)

\_ MCF/D

OPEN FLOW = Aof = Q 
$$\begin{pmatrix} & & & \\ & P_c & \\ & P_c & P_w \end{pmatrix}$$

Aof = 
$$Q\left(\begin{array}{c} 247009 \\ 125208 \end{array}\right)^n = (1.9728)^{-75} = (2070) = (1.6646)(2070)$$

Aof = 3446 MCF/D

Note: Well blew heavy fog of water throughout test. Well vented 203 MCF to the atmosphere during test.

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