## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA



DATE \_\_March 1, 1978

Operator El Paso Natural Gas Company  Location SE 9-31-10  Formation Pictured Cliffs		Lucerne A #2-A			
		County San Juan	State New Mexico		
		Pool Blanco			
Casing: Diameter 4 1/2	Set At: Feet 56631	Tubing: Diameter 1 1/4	Set At: Feet 30401		
Pay Zone: From 2974	To 3058	Total Depth: 5663	Shut In 2-2-78		
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing		

Choke Size, Inches		Choke C	nstant:	С				
.750		12.	365				·	
Shut-In Pressure, Casing,	PSIG	+ 12 = P	SIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
	525	537		26		525	537	
Flowing Pressure: P	PSIG	+ 12 = P	SIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
	147	159				152	164	
Temperature:		n =			Fpv (From Tables)		Gravity	
T= 56 °F F	t= 1.004	.85			1.014		.650	Fg = .9608

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

Q = 12.365(159)(1.004)(.9608)(1.014)

= 1923 MCF/D

OPEN FLOW = Aof = Q 
$$\begin{pmatrix} & & & \\ & \frac{p_c^2}{P_c} & P_w \end{pmatrix}$$

Aof = 
$$Q\left(\begin{array}{c} 288369 \\ 261473 \end{array}\right)^n$$
 = (1923)(1.1029) .85 = (1.0868)(1923)

Aof =\_\_\_\_\_ 2090 \_\_\_MCF/D Note: Well blew dry gas. Well vented 208 MCF of gas to the atmosphere during test.

TESTED BY \_\_\_\_\_\_ J. Thurstonson

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