## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE <u>December 19, 1974</u>

Operator		Lease			
El Paso Natural Gas C	San Juan 27-4 Unit #76				
Location		County		State	
1680/N, 930/E, Sec. 21, T27N, R4W		Rio Arriba		New Mexico	
Formation		Pool			
Pictured Cliffs		Tapacito .			
Casing: Diameter	Set At: Feet	Tubing: Dlamete		Set At: Feet	
2.875	4147'	No Tubir	ng		
Pay Zone: From	То	Total Depth:	PBTD	Shut In	
39641	4038'	4147'	4136'	12-11-74	
Stimulation Method		Flow Through Casing		Flow Through Tubing	
Sandwater Frac		∥ xx			

hoke Size, Inches Choke Constant: C							
.750	. 750		Tubingless Completion				
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	P\$IG	+ 12 = PSIA	
1076		1088	88	No Tubing		<del></del>	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
241		25.3		Calculated		339	
Temperature:		n =		Fpv (From Tables)		Gravity	
τ= 55 •F	$F_1 = 1.005$	.85		1,029		.680	Fg=0.9393

Q = 12.365(253)(1.005)(0.9393)(1.029)

3039 MCF/D

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

Aof = 
$$Q\left(\frac{1183744}{1068823}\right)^{n}$$
 = 3039(1.1075)  $\cdot ^{85}$  = 3039(1.0907)



Aof = \_\_\_\_\_MCF/D

Note: The well produced a light

mist of water.

TESTED BY F. Johnson

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

Vell Test Engineer