## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE October 5, 1973

Operator		Liase			
El Paso Natural Gas Company		San Juan 28-5 Unit #91			
Location		County	State		
1000/S, 825/W, S	ec. 14, T-28-N, R5W	Rio Arriba	New Mexico		
Formation		Pool			
Dakota		Basin			
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet		
4.500	81821	1 1/2"	8151'		
Pay Zone: From	То	Total Depth:	Shut In		
8054	8170'	8182	9-27-73		
Stimulation Method		Flow Through Casing	Flow Through Tubing		
Sandwater Frac		∥ x			
A CONTRACTOR OF THE CONTRACTOR		··			

Choke Size, Inches		Choke Constant: C					
750		12.365				<del></del>	
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
2615		2627	7	2379		2391	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure; Pw	PSIG	+ 12 = PSIA	
216		228		464		476	
Temperature:		n =		Fpv (From Tables)		Gravity	
T= 65 °F Ft=	. 9952	. 75		1.018		.610	$F_g = .9918$

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

$$Q = (12.365)(228)(.9952)(.9918)(1.018)$$

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

Aof = 
$$Q\left(\begin{array}{c} 6901129 \\ \hline 6674553 \end{array}\right)^n$$
 = 2833 (1.0339)  $\cdot^{75}$  = 2833 (1.0254)



Note: Well blew a medium mist to

distillate and water throughout

the test.

TESTED BY Rhames

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

Miam D. Welch

William D. Welch Well Test Engineer