## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE	June	13.	1973

Operator		Lease		
El Paso Natural Gas Company		San Juan 28-7 Unit	194	
Location		County	State	
1013/N 1070/E.	Section 21, T-28-N, R-7W	Rio Arriba	New Mexico	
Formation		Pool		
Dakota		Basin		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
4.500	731.3	1.900	7263	
Pay Zone: From	То	Total Depth:	Shut In	
7073	7298	7314	6-4-73	
Stimulation Method	1 16/0	Flow Through Casing	Flow Through Tubing	
SWF		l x	1	

Choke Size, Inches Choke Constant: C		h: C					
0.750		12.365			·		
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
2512		2524	9	1594		1606	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
212		224		403		415	
Temperature:		n≒		Fpv (From Tables)		Gravity	
•	0.9868		.75	1.021		.650	Fg = .9608

CHOKE VOLUME = Q = C x Pt x Ft x Fg x Fpv

$$Q = (12.365)(224)(0.9868)(0.9608)(1.021) = 2681$$

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

NOTE: The well produced a medium to heavy mist of distillate and water throughout the test.

Aof = 
$$\begin{pmatrix} 6370576 \\ 6198315 \end{pmatrix}$$
 =  $\begin{pmatrix} (2681)(1.0278) \\ = (2681)(1.0208) \end{pmatrix}$ 

Aof = 2737

TESTED BY \_\_B.\_ J. Broughton

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

William D. Welch, Well Test Engineer