EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE <u>March</u> 23, 1978

perator		Lease		
E1 Paso Natural Gas Company ocation SE 15-31-11 ormation		Neil #2-A County San Juan Pool Blanco PC Ext.	State New Mexico	
Pictured Cliffs Casing: Diameter 4 1/2	Set At: Feet 5207*	Tubing: Diameter 1 1/4 Total Depth:	Set At: Feet 2576 Shut In	
Pay Zone: From 2564 Stimulation Method Sandwater Frac	2634'	5207¹ Flow Through Casing XXX	3-5-78 Flow Through Tubing	

Choke Size, Inches		Choke Constant:	С					
.750		12.365	- Cl - (1	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA		
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Subjety Lieszorch Looma	828	840		
	827	839			PSIG	+ 12 = PSIA		
Flowing Pressure: P	PSIG	+ 12 = PSIA 129		Working Pressure: Pw	119	131		
	117			Fpv (From Tables)		Gravity		
Temperature:	1.000	.85		1,012		.670	Fg=	.9463

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

$$\label{eq:open_problem} \text{OPEN FLOW} = \text{Aof} = \text{Q} \quad \left(\begin{array}{c} & \\ & \frac{2}{P_c} \\ & P_c \end{array} \right)^{\color{red} n}$$

Aof = Q
$$\left(\frac{705600}{688439} \right)^{n}$$
 = (1.0249) .85 (1528) = (1528)(1.0211)

Note: Well blew dry gas throughout test. Well vented 174 MCF to the atmosphere during test.

TESTED BY ______ J. Thurstonson
WITNESSED BY_____

Well Test Engineer