EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE <u>June 28, 1978</u>

Operator E1 Paso Natural Gas Company Location NW 15-31-11 Formation Pictured Cliffs		Neil #3-A (PC)		
		County San Juan	State New Mexico	
		Pool Blanco		
Casing: Diameter 4.500	Set At: Feet 52971	Tubing: Diameter 1 1/4	Set At: Feet 2657	
Pay Zone: From 2610	т。 2659	Total Depth: 52971	Shut in 6-14-78	
Stimulation Method Sandwater Frac		Flow Through Casing XXX	Flow Through Tubing	

Choke Size, Inches		Choke Constant 12.365	t: C				
Shut-In Pressure, Casing, 850	PSIG	+ 12 = PSIA 862	Days Shut-In 14	Shut-In Pressure, Tubing	PSIG 848	+ 12 = PSIA 860	
Flowing Pressure: P 230	PSIG	+ 12 = PSIA 242		Working Pressure: Pw	PSIG 235	+ 12 = PSIA 247	
Temperature: T= 61 °F	Ft= .9990	.85		Fpv (From Tables) 1.026		Gravity .670	Fg = .9463

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

Q = 12.365(242)(.9990)(.9463)(1.026)

= <u>2902</u> MCF/D

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

Aof =
$$Q\left(\frac{743044}{682035}\right)^{n}$$
 = $(1.0895)^{.85}$ = (2902) = $(1.0755)(2902)$

Aof = 3121 MCF/D

Note: Well blew dry gas throughout test. Well vented 311 MCF to the atmosphere during test.

TESTED BY ______D. Wright ______

Well Test Engineer