OPEN FLOW TEST DATA

DATE <u>October 7, 1976</u>

Company Location NE 19-27N-4W Formation Pictured Cliffs		San Juan 27-4 Unit #105			
		County Rio Arriba	State New Mexico		
		Pool Tapacito			
Casing: Diameter	Set At: Feet 6348†	Tubing: Diameter	Set At: Feet 37881		
Pay Zone: From 3715 '	To 3794'	Total Depth: PBTD 6348 6331 '	Shut In 9-20-76		
Stimulation Method Sandwater Frac		Flow Through Cosing XX	Flow Through Tubing		

Choke Size, Inches		Choke Constant: C					
.750		12.365					
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
	1025	1037	17		1025	1037	
Flowing Pressure: P	PSIG 134	+ 12 = PSIA 146		Working Pressure: Pw	PSIG 140	+ 12 = PSIA 152	
Temperature:		n =		Fpv (From Tables)		Gravity	
T= 60 ∘F F	t= 1.000	. 85			1.014	.670	Fg = .9463

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

Q = 12.365(146)(1.000)(.9463)(1.014)

MCF/D

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

Aof =
$$Q\left(\frac{1075369}{1052265}\right)^{n}$$
 = $(1.0220)^{.85}(1732)(1.0186)(1732)$

 $Aof = \underline{\qquad 1764 \qquad \qquad MCF/D}$

Note: Well blew dry gas throughout test. Well vented 282 MCF/D gas to

atmosphere.

TESTED BY _____Hardy

WITNESSED BY_____

Well Test Engineer