EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE February 27, 1978

Operator El Paso Natural Gas Company		Lease		
		Mudge #5-A		
Location		County	State	
NW 3-31-11		San Juan	New Mexico	
Formation		Pool		
Pictured Cliffs		Blanco		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
4 1/2"	55491	1 1/4"	2900'	
Pay Zone: From	То	Total Depth:	Shut In	
2828	28961	55491	1-22-78	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac		xx		

Choke Size, Inches		Choke Constant: C					
Shut-In Pressure, Casing,	PSIG 992	+ 12 = PSIA 1004	Days Shut-In 36	Shut-In Pressure, Tubing	PSIG 992	+ 12 = PSIA 1004	
Flowing Pressure: P	PSIG 152	+ 12 = PSIA 164		Working Pressure: Pw	PSIG 155	+ 12 = PSIA 167	
Temperature:		n =		Fpv (From Tables)		Gravity	
T= 55 °F Ft	= 1.005	. 85		1.015		.650	Fg = .9608

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

Q = 12.365(164)(1.005)(.9608)(1.015)

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

Aof =
$$Q\left(\frac{1008016}{980127}\right)^{n}$$
 = $(1987)(1.0285) = \frac{.85}{.85} = (1987)(1.0241)$

Aof = 2035 MCF/D

Note: Well blew dry gas. Well vented 227 MCF to the atmosphere.

1987 _____ MCF/D

TESTED BY D. Wright
WITNESSED BY

Well Test Engineer