EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE ____Aug. 13, 1979

Operator			Lease		
E1 Pas	o Natural	l Gas Company	Mudge #52		
Location			County	State	
NE 21-	· 31 - 11		San Juan	New Mexico	
Formation			Pool		
Pictured Cliff			Aztec		
Casing: Diameter		Set At: Feet	Tubing: Diameter	Set At: Feet	
	2 7/8	2685'	No Tubing		
Pay Zone: From		То	Total Depth:	Shut In	
	2514	2632	2660	7-17-79	
Stimulation Method			Flow Through Casing	Flow Through Tubing	
	Sand Wa	iter Frac	∥ xx		

Choke Size, Inches		Choke Constant: C			
.750		12.365		Tubingless Completion	
Shut-In Pressure, Casing	, PSIG 744	+ 12 = PSIA 756	Days Shut-In		+ 12 = PSIA
Flowing Pressure: P	PSIG 40	+ 12 = PSIA 5 2		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 98
Temperature: T= 54 °F	_F 1.0058	.85		Fpv (From Tables)	Gravity . 60 Fg = 1.000

CHOKE VOLUME =
$$Q = C \times P_t \times F_t \times F_g \times F_{PV}$$

$$Q = 12.365 (52) (1.0058) (1.003) (1.000) = 649$$
 MCF/D

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

Aof =
$$\left(\begin{array}{c} \frac{571536}{561925} \end{array}\right)^{n} = 649_{(1.0171)} \cdot \frac{85}{=} (1.0145)(649)$$

AUG 1 5 1979
OIL CON. COM.
DIST. 3

NOTE: Well Blew Medium mist of water Throughout the Test.

Used 95 MCF of gas during Test.

Aof = 658 MCF/D

TESTED BY Carl Rhames

WITNESSED BY___

Well Test Engineer