EL PASO NATURAL GAS COMPANY



OPEN FLOW TEST DATA

12/4/72 DATE

Operator		Mudge #40				
EL PASO NATURAI	GAS COMPANY					
Location		County	State			
	Sec. 10, T31N, R11W	San Juan	NM			
Formation		Pool				
Pictured Cliffs	.	Blanco				
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet			
2.875	2873	No tubing				
Pay Zone: From	То	Total Depth:	Shut In			
2716	2750	2873	11/27/72			
Stimulation Method		Flow Through Casing	Flow Through Tubing			
SWF		N X				

Choke Size, Inches	Choke Constant:	С	_					
. 750		12.365		Tubingless Completion				
Shut-In Pressure, Casing, 792	PSIG	+ 12 = PSIA 804	Days Shut-In	Shut-In Pressure, Tubing No tubing	PSIG	+ 12 = PSIA		
Flowing Pressure: P	PSIG	+ 12 = PSIA 130		Working Pressure: Pw Calculated	PSIG	+ 12 = PSIA 161		
Temperature: T = 66 °F Ft = .	.9943	n = .85		Fpv (From Tables)		Gravity .635	Fg=	.9721

CHOKE VOLUME = Q =	С	x F	1	x F _t	X	Fg	x	Fpv			
Q =	12	365	x	130	х.	9943	x	.9721 x 1.011	=	1571	MCF/D

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

Aof = Q
$$\left(\frac{646416}{620495}\right)^{n}$$
 = $(1571)(1.0418)^{n}$ = $(1571)(1.0354)$

1626 NOTE: Blew clear gas

TESTED BY ______ Jesse B. Goodwin WITNESSED BY____

DWelch

William D. Welch Well Test Engineer