EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE September 24, 1968

Operator		Lease .		
El Paso Natural Gas Company		San Juan 27-4 Unit No. 47		
Location 1190'N, 1450'E,	Sec. 20, T-27-N, R-4-W	County Rio Arriba	State New Mexico	
Formation Dakota		Pool Basin		
Casing: Diameter 4.500	Set At: Feet 8154	Tubing: Diameter 2.375	Set At: Feet 7834	
Pay Zone: From 7872	т. 8125	Total Depth: 8154	Shut In 9-15-68	
Stimulation Method Sand Water Frac	•	Flow Through Casing	Flow Through Tubing	

Choke Size, Inches		Choke Constant: C				
•750	12.365					
Shut-In Pressure, Casing, 2476	PSIG	+ 12 = PSIA 2488	Days Shut-In	Shut-In Pressure, Tubing 2477	PSIG	+ 12 = PSIA 21+89
Flowing Pressure: P 2 ¹ +5	PSIG	+ 12 = PSIA 257		Working Pressure: Pw 1013	PSIG	+ 12 = PSIA 1025
Temperature:		n ≃		Fpv (From Tables)		Gravity
T= 84 •F Ft= •	9777	•75		1.022		.650 Fg= .9608

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

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

Aof =
$$\left(\frac{6195121}{5144496}\right)^n$$
 = $(3051)(1.2042)^{.75}$ = $(3051)(1.2042)^{.75}$ = $(3051)(1.2042)^{.75}$ = $(3051)(1.2042)^{.75}$

NOTE:

This well produced a light to heavy fog of water and oil throughout the 3 hr. test.

TESTED BY Bobby J. Broughton
CALCULATED BY
XMPTNESSECTEY George A. Lippman

CHECKED BY: Hermon E. McAnally

28h./ geeding

H. I. Wendrick