EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE ______ October 29, 1968

| Cocation 1750'S, 1180'W, Sec. 29, T-27-N, R-4-W Formation Dakota | | San Juan 27-4 Unit No. 52 | |
|---|----------------------|---------------------------|----------------------|
| | | County Rio Arriba | State New Mexico |
| | | Pool Basin | |
| Casing: Diameter 4.500 | Set At: Feet 8390 | Tubing: Diameter 2.375 | Set At: Feet 8148 |
| Pay Zone: From 8185 | т• 8373 | Total Depth: 8390 | Shut In 10-17-68 |
| Stimulation Method Sand Water Frac | | Flow Through Casing | Flow Through Tubing |

| Choke Size, Inches 2 3/4" Plate; 4" M.R. | Chôke Constant: C 41.9208 | Tested through a 3/4" | variable choke |
|--|----------------------------------|------------------------------------|---------------------------|
| Shut-In Pressure, Casing, PSIG 2453 | + 12 = PSIA Days Shut-In 12 | Shut-In Pressure, Tubing PSIG 2478 | + 12 = PSIA 2490 |
| Flowing Pressure: P PSIG 190 M.R.; 277 W.H. | + 12 = PSIA 202 M.R.; 289W.H. | Working Pressure: Pw PSIG 767 | + 12 = PSIA 779 |
| Temperature: T= 88 oF Ft= 9741. | n = 0.75 | Fpv (From Tables) | Gravity 0.700 Fg = 1.1952 |

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

Q = Calculated from orifice meter reading = 4508 MCF/D

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

Aof =
$$\begin{pmatrix} 6200100 \\ \overline{5593259} \end{pmatrix}$$
 = $(4508)(1.1084)^{\bullet 75}$ = $(4508)(1.0802)$

Note: This well produced 20.14 bbls of 54.0 API gravity oil and 10.44 bbls of water into the tank during a three hour test.

Aof = 4870 MCF/D

TESTED BY B.Broughton & D. Norton
Calculated
WITKESSED BY G. A. Lippman

WHTMESSED BY G. A. Lippman

Checked by T. B. Grant

H. L. Kendrich