## EL PASO NATURAL GAS COMPANY OPEN FLOW YEST DATA



Company Distribution Only

DATE 2/14/73

| Lively Exploration  Location 1080/S, 1500/W, Sec. 9, T29N, R8W  Formation Dakota |                      | Lively #3            |                     |  |
|--|----------------------|----------------------|---------------------|--|
|  |                      | County<br>San Juan   | State<br>NM         |  |
|  |                      | Pool<br>Basin        |                     |  |
| Casing: Diameter<br>4.500  | Sut At: Foot<br>7684 | Tubing: Diameter     | Set At: Feet 7594   |  |
| Pay Zone: From 7453  | т <b>о</b><br>7608   | Total Depth:<br>7684 | Shut In<br>1/18/73  |  |
| Stimulation Method .<br>SWF  |                      | Flow Through Casing  | Flow Through Tubing |  |

| Choke Size, Inches             |        | Choke Constant: C<br>12.365 |                    |                                  |      |                     |           |
|--------------------------------|--------|-----------------------------|--------------------|----------------------------------|------|---------------------|-----------|
| Shut-In Pressure, Casing, 2323 | PSIG   | + 12 = PSIA<br>2335         | Days Shut-In<br>27 | Shut-In Pressure, Tubing<br>2317 | PSIG | + 12 = PSIA<br>2329 |           |
| Flowing Pressure: P 217        | PSIG   | + 12 = PSIA<br>229          |                    | Working Pressure: Pw<br>1.854    | PSIG | + 12 = PSIA<br>1866 |           |
| Temperature:                   | 1.0188 | n = .75                     |                    | Fpv (From Tables) 1.025          |      | Gravity<br>.650     | Fg= .9608 |

$$Q = (12.365)(229)(1.0188)(.9608)(1.025) = ____$$

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

Aof = 
$$Q\left(\begin{array}{c} 5452225 \\ \hline 1970269 \end{array}\right)^{n} = (2841)(2.7620)^{-.75} = (2841)(2.1456)$$

FEB 9 n 1973
OIL CON. COM.
DIST. 3

Aof = 6096 MCF/D

NOTE: The well produced a light mist of distillate and water throughout the test.

TESTED BY \_\_\_\_\_ Jim Jacobs (Dugan Prod.)
WITNESSED BY H. E. McAnally (EPNG)

William D. Welch

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Well Test Engineer