

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 12-1-55

|                                    |                  |                                   |                    |                                                                    |                                      |
|------------------------------------|------------------|-----------------------------------|--------------------|--------------------------------------------------------------------|--------------------------------------|
| Pool <b>Basin</b>                  |                  | Formation <b>Sahota</b>           |                    | County <b>San Juan</b>                                             |                                      |
| Initial <b>X</b>                   |                  | Annual                            |                    | Date of Test <b>3-29-63</b>                                        |                                      |
| PAN-AMERICAN PETROLEUM CORPORATION |                  | Lease <b>Elliott Gas Unit "H"</b> |                    | Well No. <b>1</b>                                                  |                                      |
| Unit <b>I</b>                      | Sec. <b>33</b>   | Twp. <b>30N</b>                   | Range <b>9W</b>    | Purchaser                                                          |                                      |
| Casing <b>4-1/2</b>                | Wt. <b>10.5</b>  | I.D. <b>4.032</b>                 | Set at <b>6870</b> | Perf. <b>6702-26</b><br><b>6802-26</b>                             | To                                   |
| Tubing <b>3-3/8</b>                | Wt. <b>4.7</b>   | I.D. <b>1.995</b>                 | Set at <b>6716</b> | Perf. <b>6679</b>                                                  | To <b>6685</b>                       |
| Gas Pay:                           | From <b>6702</b> | To <b>6826</b>                    | L <b>6764</b>      | G <b>.700</b>                                                      | GL <b>4735</b> Bar. Press. <b>12</b> |
| Producing Through:                 |                  | Casing                            | Tubing <b>X</b>    | Type Well - Single - Braden head - G.G. or G.O. Dual <b>Single</b> |                                      |
| Date of Completion <b>3-21-63</b>  |                  | Packer <b>None</b>                |                    | Reservoir Temp.                                                    |                                      |

OBSERVED DATA

| Tested Through: |                      | Prover <input type="checkbox"/> | Choke <input checked="" type="checkbox"/> | Meter <input type="checkbox"/> | Type of Taps |            |              |             |                      |
|-----------------|----------------------|---------------------------------|-------------------------------------------|--------------------------------|--------------|------------|--------------|-------------|----------------------|
| FLOW DATA       |                      |                                 |                                           |                                | TUBING DATA  |            | CASING DATA  |             | DURATION OF FLOW HR. |
| No.             | (Prover) (Line) Size | Press. psig.                    | Diff. h <sub>w</sub>                      | Temp. °F.                      | Press. psig. | Temp. °F.  | Press. psig. | Temp. °F.   |                      |
| 1.              | <b>2 Inch</b>        | <b>.790</b>                     | <b>349</b>                                |                                | <b>2134</b>  | <b>369</b> | <b>2134</b>  | <b>1916</b> | <b>3 Hr.</b>         |
| 2.              |                      |                                 |                                           |                                |              |            |              |             |                      |
| 3.              |                      |                                 |                                           |                                |              |            |              |             |                      |
| 4.              |                      |                                 |                                           |                                |              |            |              |             |                      |
| 5.              |                      |                                 |                                           |                                |              |            |              |             |                      |

FLOW CALCULATIONS

| No. | Coefficient (24 Hour) | $\sqrt{h_w P_f}$ | Pressure psia | Flow Temp. Factor $F_t$ | Gravity Factor $F_g$ | Compress. Factor $F_{pv}$ | Rate of Flow Q-MCF P D @ 15,025 psia |
|-----|-----------------------|------------------|---------------|-------------------------|----------------------|---------------------------|--------------------------------------|
| 1.  | <b>12.3850</b>        |                  | <b>301</b>    | <b>1.000</b>            | <b>.9238</b>         | <b>1.047</b>              | <b>4366</b>                          |
| 2.  |                       |                  |               |                         |                      |                           |                                      |
| 3.  |                       |                  |               |                         |                      |                           |                                      |
| 4.  |                       |                  |               |                         |                      |                           |                                      |
| 5.  |                       |                  |               |                         |                      |                           |                                      |

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl.      Specific Gravity Separator Gas \_\_\_\_\_

Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg.      Specific Gravity Flowing Fluid **2170**

$F_c$  \_\_\_\_\_ (1-e<sup>-S</sup>) \_\_\_\_\_       $P_c$  \_\_\_\_\_  $P_c^2$  **4,768,900**

| No. | $\frac{P_w}{P_t}$ psia | $P_t^2$ | $F_c Q$ | $(F_c Q)^2$ | $(F_c Q)^2 (1-e^{-S})$ | $P_w^2$          | $P_c^2 - P_w^2$  | Cal $P_w$ | $\frac{P_w}{P_c}$ |
|-----|------------------------|---------|---------|-------------|------------------------|------------------|------------------|-----------|-------------------|
| 1.  |                        |         |         |             |                        | <b>1,036,784</b> | <b>3,632,116</b> |           |                   |
| 2.  |                        |         |         |             |                        |                  |                  |           |                   |
| 3.  |                        |         |         |             |                        |                  |                  |           |                   |
| 4.  |                        |         |         |             |                        |                  |                  |           |                   |
| 5.  |                        |         |         |             |                        |                  |                  |           |                   |

**3523**

**.75**

ABSOLUTE POTENTIAL: \_\_\_\_\_ MCFPD;  $n$  \_\_\_\_\_

**PAN AMERICAN PETROLEUM CORPORATION**

COMPANY \_\_\_\_\_ WITNESSED \_\_\_\_\_

**Box 480, Farmington, New Mexico**

ADDRESS \_\_\_\_\_ COMPANY \_\_\_\_\_

**F. L. Nabors, District Engineer** By: \_\_\_\_\_

AGENT AND TITLE \_\_\_\_\_

