

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

Form C-122

Revised 12-1-55

|                                                              |  |                                      |  |                                                      |  |
|--------------------------------------------------------------|--|--------------------------------------|--|------------------------------------------------------|--|
| Pool<br><b>Basin</b>                                         |  | Formation<br><b>Dakota</b>           |  | County<br><b>San Juan</b>                            |  |
| Initial<br><b>X</b>                                          |  | Annual                               |  | Special                                              |  |
| Company<br><b>PAN AMERICAN PETROLEUM CORPORATION</b>         |  | Lease<br><b>Gallegos Canyon Unit</b> |  | Date of Test<br><b>6-14-66</b>                       |  |
| Unit<br><b>K</b>                                             |  | Sec.<br><b>24</b>                    |  | Twp.<br><b>28N</b>                                   |  |
| Casing<br><b>4.500</b>                                       |  | Wt.<br><b>10.5</b>                   |  | I.D.<br><b>4.052</b>                                 |  |
| Tubing<br><b>2.375</b>                                       |  | Wt.<br><b>4.7</b>                    |  | I.D.<br><b>1.995</b>                                 |  |
| Range<br><b>13W</b>                                          |  | Set at<br><b>6190</b>                |  | Perf.<br><b>6053-6068</b>                            |  |
| Purchaser<br><b>El Paso Natural Gas Co. (when connected)</b> |  | To<br><b>6107-6127</b>               |  | Well No.<br><b>240</b>                               |  |
| Gas Pay:<br><b>6053</b>                                      |  | From<br><b>6127</b>                  |  | To<br><b>6090</b>                                    |  |
| L<br><b>.700</b>                                             |  | G<br><b>4263</b>                     |  | GL<br><b>12</b>                                      |  |
| Bar. Press.                                                  |  | Producing Through:<br><b>Single</b>  |  | Type Well - Single - Braden head - G.G. or G.O. Dual |  |
| Date of Completion<br><b>6-7-66</b>                          |  | Packer<br><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.                                                                                                                      | SI     | (Line) Size | (Choke) Size | Press. psig. | Diff. h <sub>w</sub> | Temp. °F.   | Press. psig. | Temp. °F.    | Press. psig. |                      | Temp. °F. |
| 1.                                                                                                                       | 7 Days | 2 Inch      |              | 352          |                      |             | 1917         | 60° est.     | 1919         | 60° est.             | 3 Hr.     |
| 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 PD @ 15,025 psia |
|-----|-----------------------|------------------|---------------|-------------------------|----------------------|---------------------------|-------------------------------------|
| 1.  | 12.3650               |                  | 364           | 1.0000                  | .9258                | 1.044                     | 4350                                |
| 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 \_\_\_\_\_  
 $F_c$  \_\_\_\_\_ (1-e<sup>-S</sup>)       $P_c$  **1931**  $P_c^2$  **3,728,761**

| No. | $\frac{P_w}{P_t}$ psia | $P_t^2$ | $F_c Q$ | $(F_c Q)^2$ | $(F_c Q)^2 (1-e^{-S})$ | $P_w^2$   | $P_c^2 - P_w^2$ | Cd $\frac{P_w}{P_c}$ | $\frac{P_w}{P_c}$ |
|-----|------------------------|---------|---------|-------------|------------------------|-----------|-----------------|----------------------|-------------------|
| 1.  |                        |         |         |             |                        | 1,060,900 | 2,667,861       |                      |                   |
| 2.  |                        |         |         |             |                        |           |                 |                      |                   |
| 3.  |                        |         |         |             |                        |           |                 |                      |                   |
| 4.  |                        |         |         |             |                        |           |                 |                      |                   |
| 5.  |                        |         |         |             |                        |           |                 |                      |                   |

ABSOLUTE POTENTIAL: **5591** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED \_\_\_\_\_

ADDRESS **Box 480, Farmington, New Mexico** COMPANY \_\_\_\_\_

AGENT AND TITLE **G. W. Eaton, Jr., Area Engineer**

