

Corrected Copy

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

Form C-122  
Revised 12-1-55

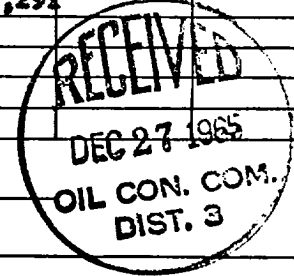
|                                                 |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |
|-------------------------------------------------|-------------------------------------|---------------------------------|-------------------------------------------|----------------------------------------|-------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-----------------------|----------------------------|
| Pool<br><b>Basin</b>                            |                                     |                                 | Formation<br><b>Dakota</b>                |                                        |                                                                         | County<br><b>San Juan</b>              |                                                           |                       |                            |
| Initial<br><b>X</b>                             |                                     | Annual                          |                                           | Special                                |                                                                         | Date of Test<br><b>12-17-65</b>        |                                                           |                       |                            |
| Company<br><b>PAN AMERICAN PETROLEUM CORP.</b>  |                                     |                                 | Lease<br><b>Gallegos Canyon Unit</b>      |                                        |                                                                         | Well No.<br><b>190</b>                 |                                                           |                       |                            |
| Unit<br><b>M</b>                                | Sec.<br><b>19</b>                   | Twp.<br><b>28-N</b>             | Range<br><b>12-W</b>                      |                                        | Purchaser                                                               |                                        |                                                           |                       |                            |
| Casing<br><b>4-1/2"</b>                         | Wt.<br><b>10.54</b>                 | I.D.<br><b>4.052</b>            | Set at<br><b>6331'</b>                    |                                        | Perf.<br><b>6166-6186'</b>                                              | To<br><b>6225-6245'</b>                |                                                           |                       |                            |
| Tubing<br><b>2-3/8"</b>                         | Wt.<br><b>4.74</b>                  | I.D.<br><b>1.995</b>            | Set at<br><b>6169'</b>                    |                                        | Perf.<br><b>6132'</b>                                                   | To<br><b>6138'</b>                     |                                                           |                       |                            |
| Gas Pay:                                        | From <b>6166</b><br><del>6155</del> | To<br><b>6245'</b>              | L<br><b>6300'</b>                         | G<br><b>.700</b>                       | GL<br><b>4340'</b>                                                      | Bar. Press.<br><b>12</b>               |                                                           |                       |                            |
| Producing Through:                              |                                     | Casing                          | Tubing<br><b>X</b>                        |                                        | Type Well - Single - Braden head - G.G. or G.O. Dual<br><b>Single</b>   |                                        |                                                           |                       |                            |
| Date of Completion<br><b>12-10-65</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<br>OF FLOW<br>HR. |
| No.                                             | (Prover)<br>Size                    | (Choke)<br>Size                 | Press.<br>psig.                           | Diff.<br>h <sub>w</sub>                | Temp.<br>°F.                                                            | Press.<br>psig.                        | Temp.<br>°F.                                              | Press.<br>psig.       |                            |
| SI                                              | <b>7 days</b>                       |                                 |                                           |                                        |                                                                         | <b>2010</b>                            |                                                           | <b>2018</b>           |                            |
| 1.                                              | <b>2 inch</b>                       | <b>.750</b>                     | <b>741</b>                                |                                        |                                                                         | <b>741</b>                             | <b>60° Est.</b>                                           | <b>1591</b>           | <b>60° Est.</b>            |
| 2.                                              |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |
| 3.                                              |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |
| 4.                                              |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |
| 5.                                              |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |
| FLOW CALCULATIONS                               |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |
| No.                                             | Coefficient<br>(24 Hour)            | $\sqrt{h_w P_f}$                | Pressure<br>psia                          | Flow Temp.<br>Factor<br>F <sub>t</sub> | Gravity<br>Factor<br>F <sub>g</sub>                                     | Compress.<br>Factor<br>F <sub>pv</sub> | Rate of Flow Q-MCF PD<br>@ 15.025 psia                    |                       |                            |
| 1.                                              | <b>12.3650</b>                      |                                 | <b>753</b>                                | <b>1.0370</b>                          | <b>.9258</b>                                                            | <b>1.101</b>                           | <b>9491</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 _____                                    |                                        |                                                           |                       |                            |
| F <sub>c</sub> _____ (1-e <sup>-S</sup> ) _____ |                                     |                                 |                                           |                                        | P <sub>c</sub> <b>2000</b> p <sub>c</sub> <sup>2</sup> <b>4,120,900</b> |                                        |                                                           |                       |                            |
| No.                                             | $\frac{P_w}{P_t}$ psia              | P <sub>t</sub> <sup>2</sup>     | F <sub>c</sub> Q                          | (F <sub>c</sub> Q) <sup>2</sup>        | (F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-S</sup> )                    | P <sub>w</sub> <sup>2</sup>            | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | Cal<br>P <sub>w</sub> | $\frac{P_w}{P_c}$          |
| 1.                                              |                                     |                                 |                                           |                                        |                                                                         | <b>2,569,609</b>                       | <b>1,551,291</b>                                          |                       |                            |
| 2.                                              |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |
| 3.                                              |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |
| 4.                                              |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |
| 5.                                              |                                     |                                 |                                           |                                        |                                                                         |                                        |                                                           |                       |                            |

ABSOLUTE POTENTIAL: **19,743** MCFPD; n **.75**

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

ADDRESS **P. O. Box 480, Farmington, New Mexico** COMPANY \_\_\_\_\_

ORIGINAL SIGNED BY  
AGENT AND TITLE **O. W. Eason, Jr., Area Engineer**



CORRECTED COPY