

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 9-1-65

|                                                                                                                           |  |                                      |  |                                                   |  |                                         |  |
|---------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|---------------------------------------------------|--|-----------------------------------------|--|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |  |                                      |  |                                                   |  | Test Date<br><b>12-11-76</b>            |  |
| Company<br><b>AMOCO PRODUCTION COMPANY</b>                                                                                |  |                                      |  | Connection<br><b>El Paso Natural Gas Company</b>  |  |                                         |  |
| Pool<br><b>Blanco</b>                                                                                                     |  |                                      |  | Formation<br><b>Masaverde</b>                     |  | Unit                                    |  |
| Completion Date<br><b>12-4-76</b>                                                                                         |  | Total Depth<br><b>4800</b>           |  | Plug Back TD<br><b>4755</b>                       |  | Elevation<br><b>5626 GL</b>             |  |
| Farm or Lease Name<br><b>Ulibarri Gas Com</b>                                                                             |  | Well No.<br><b>1-A</b>               |  | Perforations:<br>From <b>3891</b> To <b>4635</b>  |  | Well No.                                |  |
| Csg. Size<br><b>7.000</b> Wt. <b>20</b>                                                                                   |  | d<br><b>6.456</b> Set At <b>2699</b> |  | Perforations:<br>From <b>Open</b> To <b>Ended</b> |  | Unit Sec. Twp. Rge.<br><b>0 35 30 9</b> |  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br><b>Single</b>                                                  |  | Packer Set At<br><b>None</b>         |  | County<br><b>San Juan</b>                         |  | State<br><b>New Mexico</b>              |  |
| Producing Thru<br><b>Tubing</b>                                                                                           |  | Reservoir Temp. °F<br><b>@</b>       |  | Mean Annual Temp. °F<br><b>12 psia</b>            |  | Baro. Press. - P <sub>a</sub>           |  |
| L<br><b>4263</b>                                                                                                          |  | H<br><b>.65</b>                      |  | G <sub>q</sub>                                    |  | Prover                                  |  |
| Meter Run                                                                                                                 |  | Taps                                 |  |                                                   |  |                                         |  |

  

| FLOW DATA |                  |   |              |                 |                      | TUBING DATA |                 | CASING DATA |                 | Duration of Flow |
|-----------|------------------|---|--------------|-----------------|----------------------|-------------|-----------------|-------------|-----------------|------------------|
| NO.       | Prover Line Size | X | Orifice Size | Press. p.s.i.g. | Diff. h <sub>w</sub> | Temp. °F    | Press. p.s.i.g. | Temp. °F    | Press. p.s.i.g. |                  |
| SI        | <b>7 Days</b>    |   |              |                 |                      |             | <b>600</b>      |             | <b>714</b>      |                  |
| 1.        | <b>2-Inch</b>    |   | <b>.750</b>  |                 |                      |             | <b>220</b>      | <b>60°</b>  | <b>540</b>      |                  |
| 2.        |                  |   |              |                 |                      |             |                 |             |                 |                  |
| 3.        |                  |   |              |                 |                      |             |                 |             |                 |                  |
| 4.        |                  |   |              |                 |                      |             |                 |             |                 |                  |
| 5.        |                  |   |              |                 |                      |             |                 |             |                 |                  |

  

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                       |                               |                                         |                      |
|---------------------------|-----------------------|------------------|-------------------------|-----------------------|-------------------------------|-----------------------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor Ft. | Gravity Factor F <sub>g</sub> | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |
| 1                         | <b>12.365</b>         |                  | <b>232</b>              | <b>1.000</b>          | <b>.9608</b>                  | <b>1.023</b>                            | <b>2820</b>          |
| 2                         |                       |                  |                         |                       |                               |                                         |                      |
| 3                         |                       |                  |                         |                       |                               |                                         |                      |
| 4                         |                       |                  |                         |                       |                               |                                         |                      |
| 5                         |                       |                  |                         |                       |                               |                                         |                      |

  

| NO. | P <sub>t</sub> | Temp. °R | T <sub>t</sub> | Z | Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.          |
|-----|----------------|----------|----------------|---|------------------------------------------------------|
| 1.  |                |          |                |   | A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.     |
| 2.  |                |          |                |   | Specific Gravity Separator Gas _____ X X X X X X X X |
| 3.  |                |          |                |   | Specific Gravity Flowing Fluid _____ X X X X X       |
| 4.  |                |          |                |   | Critical Pressure _____ P.S.I.A. _____ P.S.I.A.      |
| 5.  |                |          |                |   | Critical Temperature _____ R _____ R                 |

  

| NO. | P <sub>t</sub> | P <sub>w</sub> | P <sub>c</sub> | P <sub>c</sub> <sup>2</sup> | P <sub>w</sub> <sup>2</sup> | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | (1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ |
|-----|----------------|----------------|----------------|-----------------------------|-----------------------------|-----------------------------------------------------------|-------------------------------------|------------------------------------------------------|
| 1   |                | <b>552</b>     | <b>726</b>     | <b>527,076</b>              | <b>304,704</b>              | <b>222,372</b>                                            | <b>2.3702</b>                       | <b>1.9103</b>                                        |
| 2   |                |                |                |                             |                             |                                                           |                                     |                                                      |
| 3   |                |                |                |                             |                             |                                                           |                                     |                                                      |
| 4   |                |                |                |                             |                             |                                                           |                                     |                                                      |
| 5   |                |                |                |                             |                             |                                                           |                                     |                                                      |

  

|                                                                      |  |                                    |  |
|----------------------------------------------------------------------|--|------------------------------------|--|
| ACF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ <b>5387</b> |  |                                    |  |
| Absolute Open Flow <b>5387</b> Mcfd @ 15.025                         |  | Angle of Slope $\theta$ <b>.75</b> |  |
| Remarks: <b>4.500" Liner set 2515-4792'</b>                          |  |                                    |  |

  

|                         |                                   |                                      |                                     |
|-------------------------|-----------------------------------|--------------------------------------|-------------------------------------|
| Approved By Commission: | Conducted By: <b>T. H. Oliver</b> | Calculated By: <b>Oliver/Cordill</b> | Checked By: <b>H. D. Montgomery</b> |
|-------------------------|-----------------------------------|--------------------------------------|-------------------------------------|