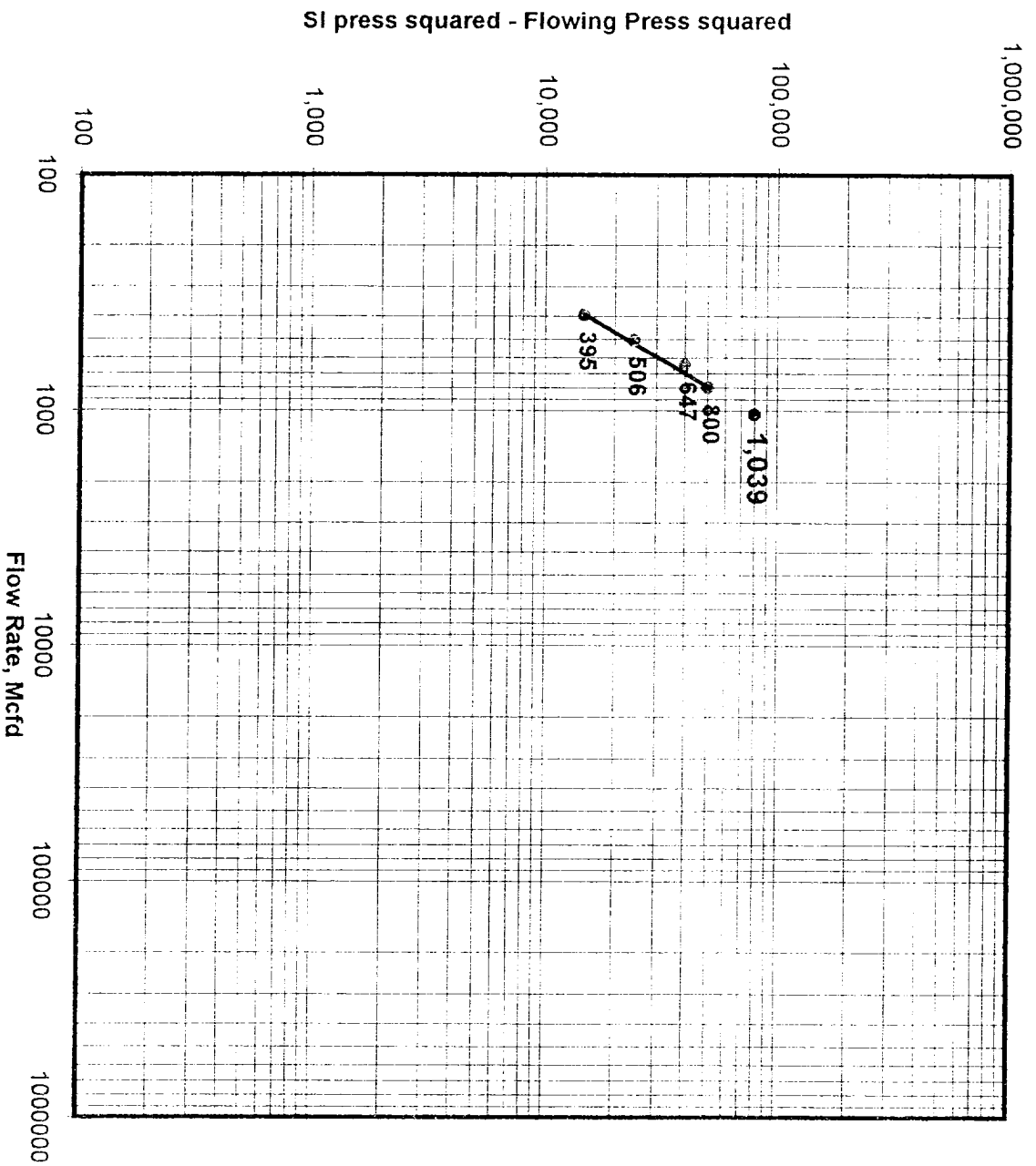


NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL Revised 9-1-63

Form C-122

|                                                                                                                           |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------|---------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------|-----------------------------------------|--|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |                           |                                |                                       |                                                   | Test Date<br><b>8/28/96</b>                                                                                                                                                                                                                 |                                                                 | API Number<br><b>30-059-20352</b>                |                                         |  |
| Company<br><b>Amoco Corporation</b>                                                                                       |                           |                                |                                       | Connection<br><b>Bravo Dome CO2 Plant</b>         |                                                                                                                                                                                                                                             |                                                                 | RTU Number<br><b>5109</b>                        |                                         |  |
| Pool<br><b>N/A</b>                                                                                                        |                           |                                |                                       | Formation<br><b>Tubb</b>                          |                                                                                                                                                                                                                                             |                                                                 | Unit<br><b>BDCDGU</b>                            |                                         |  |
| Completion Date<br><b>8/21/96</b>                                                                                         |                           | Total Depth<br><b>2296'</b>    |                                       | Plug Back Depth<br><b>2286'</b>                   |                                                                                                                                                                                                                                             | Elevation<br><b>4735'</b>                                       |                                                  | Farm or Lease Name<br><b>Bravo Dome</b> |  |
| Csg. Size<br><b>5 1/2</b>                                                                                                 | Wt.<br><b>15.5#</b>       | Csg. Inside Dia<br><b>4.75</b> | Set At<br><b>2296'</b>                | Perforations<br>From <b>2208'</b> To <b>2277'</b> |                                                                                                                                                                                                                                             |                                                                 | Well Number<br><b>2135-183P</b>                  |                                         |  |
| Tbg. Size<br><b>X</b>                                                                                                     | Wt.<br><b>X</b>           | Tbg. Inside Dia<br><b>X</b>    | Set At.<br><b>X</b>                   | Perforations<br>From <b>n/a</b> To <b>n/a</b>     |                                                                                                                                                                                                                                             |                                                                 | Unit Sec. Twp. Rge.<br><b>sec 18,T-21N,R-35E</b> |                                         |  |
| Type well -Single-Bradenhead-G.G. or G.O. Multiple<br><b>Single</b>                                                       |                           |                                |                                       |                                                   | Packer Set At<br><b>n/a</b>                                                                                                                                                                                                                 |                                                                 | County<br><b>UNION</b>                           |                                         |  |
| Producing Through<br><b>X</b>                                                                                             |                           | Reservoir Temp, F<br><b>95</b> |                                       | Mean Annual Temp, F<br><b>60</b>                  |                                                                                                                                                                                                                                             | Baro. Press. - PSIA<br><b>12.2</b>                              |                                                  | State<br><b>New Mexico</b>              |  |
| Flow Channel, L<br><b>2286'</b>                                                                                           | Depth, H<br><b>2286'</b>  | Gg<br><b>1.5192</b>            | %CO2<br><b>100</b>                    | %N2<br><b>0</b>                                   | %H2S<br><b>0</b>                                                                                                                                                                                                                            | Prover<br><b>ORIFICE</b>                                        | Meter Run<br><b>4 inch</b>                       | Taps<br><b>FLANGE</b>                   |  |
| FLOW DATA                                                                                                                 |                           |                                |                                       |                                                   | TUBING DATA                                                                                                                                                                                                                                 |                                                                 | CASING DATA                                      |                                         |  |
| NO.                                                                                                                       | Prover Size<br><b>X</b>   | Stat. Pres<br>psig             | Diff. Press.<br>Hw                    | Temp.<br>°F                                       | Press.<br>p.s.i.g.                                                                                                                                                                                                                          | Temp.<br>°F                                                     | Press.<br>p.s.i.g.                               | Temp.<br>°F                             |  |
| SI                                                                                                                        |                           |                                |                                       |                                                   | <b>270</b>                                                                                                                                                                                                                                  |                                                                 |                                                  |                                         |  |
| 1.                                                                                                                        |                           |                                |                                       |                                                   | <b>243</b>                                                                                                                                                                                                                                  |                                                                 |                                                  | <b>24 hour</b>                          |  |
| 2.                                                                                                                        |                           |                                |                                       |                                                   | <b>224</b>                                                                                                                                                                                                                                  |                                                                 |                                                  | <b>60 MIN</b>                           |  |
| 3.                                                                                                                        |                           |                                |                                       |                                                   | <b>188</b>                                                                                                                                                                                                                                  |                                                                 |                                                  | <b>60 MIN</b>                           |  |
| 4.                                                                                                                        |                           |                                |                                       |                                                   | <b>161</b>                                                                                                                                                                                                                                  |                                                                 |                                                  | <b>60 MIN</b>                           |  |
| 5.                                                                                                                        |                           |                                |                                       |                                                   | <b>0</b>                                                                                                                                                                                                                                    |                                                                 |                                                  |                                         |  |
| RATE OF FLOW CALCULATIONS                                                                                                 |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
| NO.                                                                                                                       | Coefficient<br>(24 Hours) | Pressure<br>Pm                 | Flow Temp.<br>Factor, Ft              | Gravity<br>Factor, Fg                             | Super Compressibility<br>Factor, Fpv                                                                                                                                                                                                        | Rate of Flow Q, Mcfd                                            |                                                  |                                         |  |
| SI                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             | Values                                                          | Log(10)                                          |                                         |  |
| 1.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             | <b>395</b>                                                      | <b>2.5966</b>                                    |                                         |  |
| 2.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             | <b>506</b>                                                      | <b>2.7042</b>                                    |                                         |  |
| 3.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             | <b>647</b>                                                      | <b>2.8109</b>                                    |                                         |  |
| 4.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             | <b>800</b>                                                      | <b>2.9031</b>                                    |                                         |  |
| 5.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             | <b>1039</b>                                                     | <b>AOF</b>                                       |                                         |  |
| NO.                                                                                                                       | P r                       | Temp, °R                       | T r                                   | Z                                                 | Gas Liquid Hydrocarbon Ratio N/A Mcf/bbl<br>A. P. I. Gravity of Liquid Hydrocarbon N/A Deg.<br>Specific Gravity Separator Gas N/A<br>Specific Gravity Flowing Fluid 1.5192<br>Critical Pressure 1072 P.S.I.A.<br>Critical Temperature 548 R |                                                                 |                                                  |                                         |  |
| 1.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
| 2.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
| 3.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
| 4.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
| 5.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
| Pc                                                                                                                        | <b>282.2</b>              | Pc^                            | <b>79,637</b>                         |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
| NO.                                                                                                                       | P t^2                     | Pw                             | P w^2                                 | Pc^2 - P w^2                                      | Pc^2 - P w^2                                                                                                                                                                                                                                |                                                                 |                                                  |                                         |  |
| SI                                                                                                                        |                           | 282.2                          | 79,637                                | 0                                                 | Log(10)                                                                                                                                                                                                                                     |                                                                 |                                                  |                                         |  |
| 1.                                                                                                                        |                           | 255.2                          | 65,127                                | 14,510                                            | 4.1617                                                                                                                                                                                                                                      |                                                                 |                                                  |                                         |  |
| 2.                                                                                                                        |                           | 236.2                          | 55,790                                | 23,846                                            | 4.3774                                                                                                                                                                                                                                      |                                                                 |                                                  |                                         |  |
| 3.                                                                                                                        |                           | 200.2                          | 40,080                                | 39,557                                            | 4.5972                                                                                                                                                                                                                                      |                                                                 |                                                  |                                         |  |
| 4.                                                                                                                        |                           | 173.2                          | 29,998                                | 49,639                                            | 4.6958                                                                                                                                                                                                                                      |                                                                 |                                                  |                                         |  |
| 5.                                                                                                                        |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
| Absolute Open Flow <b>1,039</b> Mcfd @ 15.025                                                                             |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             | Angle of Slope <b>61.09</b> Slope, n = <b>0.552</b> (Cotangent) |                                                  |                                         |  |
| Remarks:                                                                                                                  |                           |                                |                                       |                                                   |                                                                                                                                                                                                                                             |                                                                 |                                                  |                                         |  |
| Approved By Commission:                                                                                                   |                           |                                | Conducted By:<br><b>Bill Prichard</b> |                                                   | Calculated By:<br><b>Automation Software</b>                                                                                                                                                                                                |                                                                 | Checked By:<br><b>Gary Ford, Bill Prichard</b>   |                                         |  |

GAS WELL BACK PRESSURE TEST - ABSOLUTE OPEN FLOW



GAS WELL BACK PRESSURE TEST INFLOW PERFORMANCE

