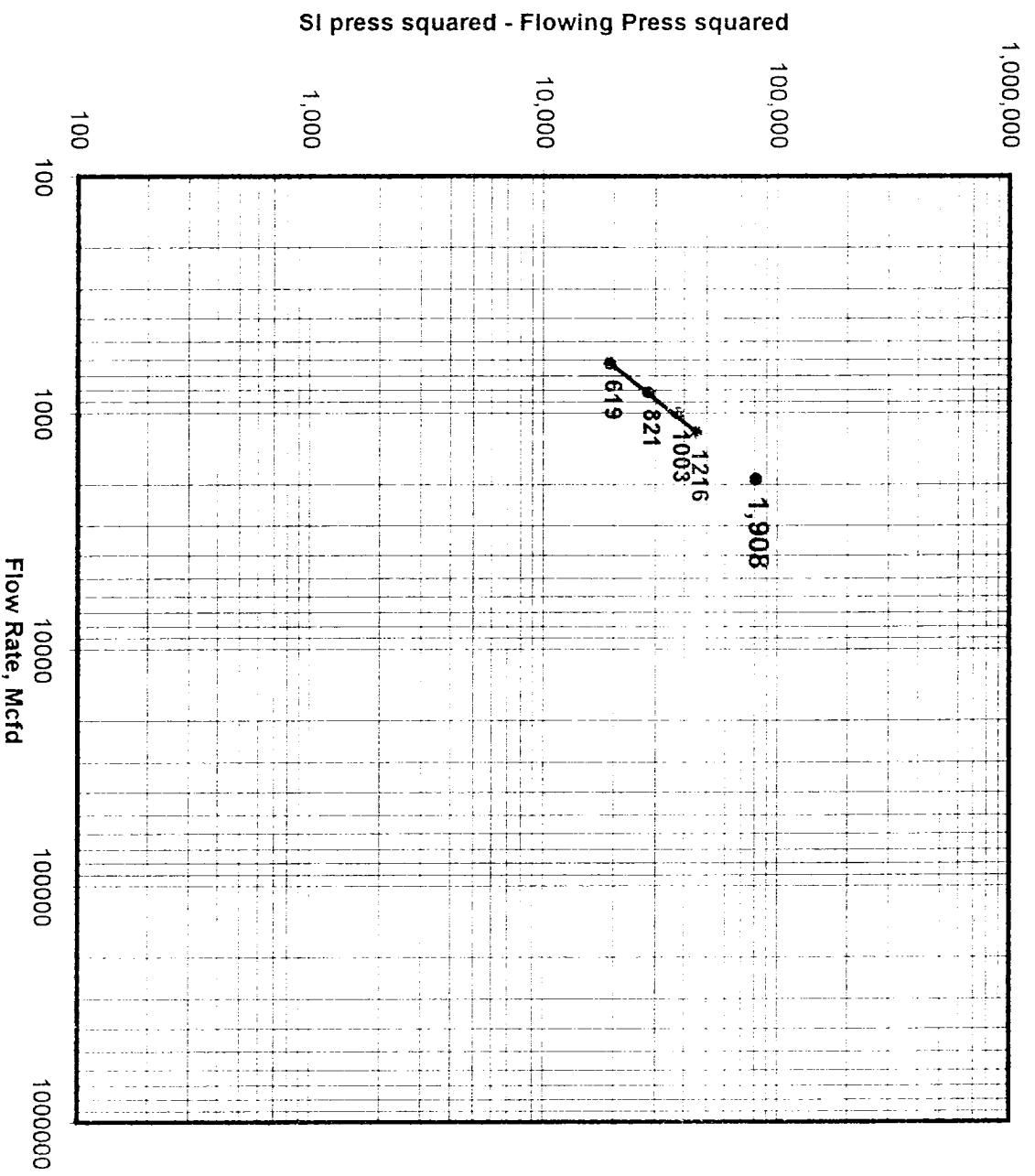


NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL Revised 9-1-63

Form C-122

|                                                                                                                           |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               |                                                  |                                                |                                         |                  |                |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------|------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------|-----------------------------------------|------------------|----------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               | Test Date<br><b>9/6/96</b>                       |                                                | API Number<br><b>30-059-30361</b>       |                  |                |
| Company<br><b>Amoco Corporation</b>                                                                                       |                           |                                       |                        | Connection<br><b>Bravo Dome CO2 Plant</b>         |                                                                                                                                                                                                                                                               |                                                  |                                                | RTU Number<br><b>5110</b>               |                  |                |
| Pool<br><b>N/A</b>                                                                                                        |                           |                                       |                        | Formation<br><b>Tubb</b>                          |                                                                                                                                                                                                                                                               |                                                  |                                                | Unit<br><b>BDCDGU</b>                   |                  |                |
| Completion Date<br><b>8/28/96</b>                                                                                         |                           | Total Depth<br><b>2368'</b>           |                        | Plug Back Depth<br><b>2358'</b>                   |                                                                                                                                                                                                                                                               | Elevation<br><b>4827.00'</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>2368'</b> | Perforations<br>From <b>2219'</b> To <b>2324'</b> |                                                                                                                                                                                                                                                               | Well Number<br><b>2134-243M</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 24,T-21N,R-34E</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>2358'</b>                                                                                           | Depth, H<br><b>2358'</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                                    |                                         | Duration of Flow |                |
| NO.                                                                                                                       | Prover Size               | X                                     | 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>271</b>                                       |                                                |                                         |                  | <b>24 hour</b> |
| 1.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               | <b>235</b>                                       |                                                |                                         |                  | <b>60 MIN</b>  |
| 2.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               | <b>217</b>                                       |                                                |                                         |                  | <b>60 MIN</b>  |
| 3.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               | <b>195</b>                                       |                                                |                                         |                  | <b>60 MIN</b>  |
| 4.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               | <b>176</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<br>Values    Log(10)      |                                         |                  |                |
| SI                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               |                                                  | <b>0</b>                                       |                                         |                  |                |
| 1.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               |                                                  | <b>619</b>                                     |                                         | <b>2.7917</b>    |                |
| 2.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               |                                                  | <b>821</b>                                     |                                         | <b>2.9143</b>    |                |
| 3.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               |                                                  | <b>1003</b>                                    |                                         | <b>3.0013</b>    |                |
| 4.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               |                                                  | <b>1216</b>                                    |                                         | <b>3.0849</b>    |                |
| 5.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               |                                                  | <b>1908</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>283.2</b>              | Pc^                                   | <b>80,202</b>          |                                                   |                                                                                                                                                                                                                                                               |                                                  |                                                |                                         |                  |                |
| NO.                                                                                                                       | P t^2                     | Pw                                    | P w^2                  | Pc^2 - P w^                                       | Pc^2 - P w^2                                                                                                                                                                                                                                                  | (1) 4th test point<br>Pc^2 <b>1.791</b>          | (2) 4th test point<br>Pc^2 <b>1.569</b>        |                                         |                  |                |
| SI                                                                                                                        |                           | <b>283.2</b>                          | <b>80,202</b>          | <b>0</b>                                          | Log(10)                                                                                                                                                                                                                                                       | P c^2 - P w^2                                    | P c^2 - P w^2                                  |                                         |                  |                |
| 1.                                                                                                                        |                           | <b>247.2</b>                          | <b>61,108</b>          | <b>19,094</b>                                     | <b>4.2809</b>                                                                                                                                                                                                                                                 |                                                  |                                                |                                         |                  |                |
| 2.                                                                                                                        |                           | <b>229.2</b>                          | <b>52,533</b>          | <b>27,670</b>                                     | <b>4.4420</b>                                                                                                                                                                                                                                                 |                                                  |                                                |                                         |                  |                |
| 3.                                                                                                                        |                           | <b>207.2</b>                          | <b>42,932</b>          | <b>37,270</b>                                     | <b>4.5714</b>                                                                                                                                                                                                                                                 |                                                  |                                                |                                         |                  |                |
| 4.                                                                                                                        |                           | <b>188.2</b>                          | <b>35,419</b>          | <b>44,783</b>                                     | <b>4.6511</b>                                                                                                                                                                                                                                                 |                                                  |                                                |                                         |                  |                |
| 5.                                                                                                                        |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               |                                                  |                                                |                                         |                  |                |
| Absolute Open Flow <b>1,908</b> Mcfd @ 15.025                                                                             |                           |                                       |                        |                                                   |                                                                                                                                                                                                                                                               | Angle of Slope <b>52.30</b>                      | Slope. n = <b>0.773</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

