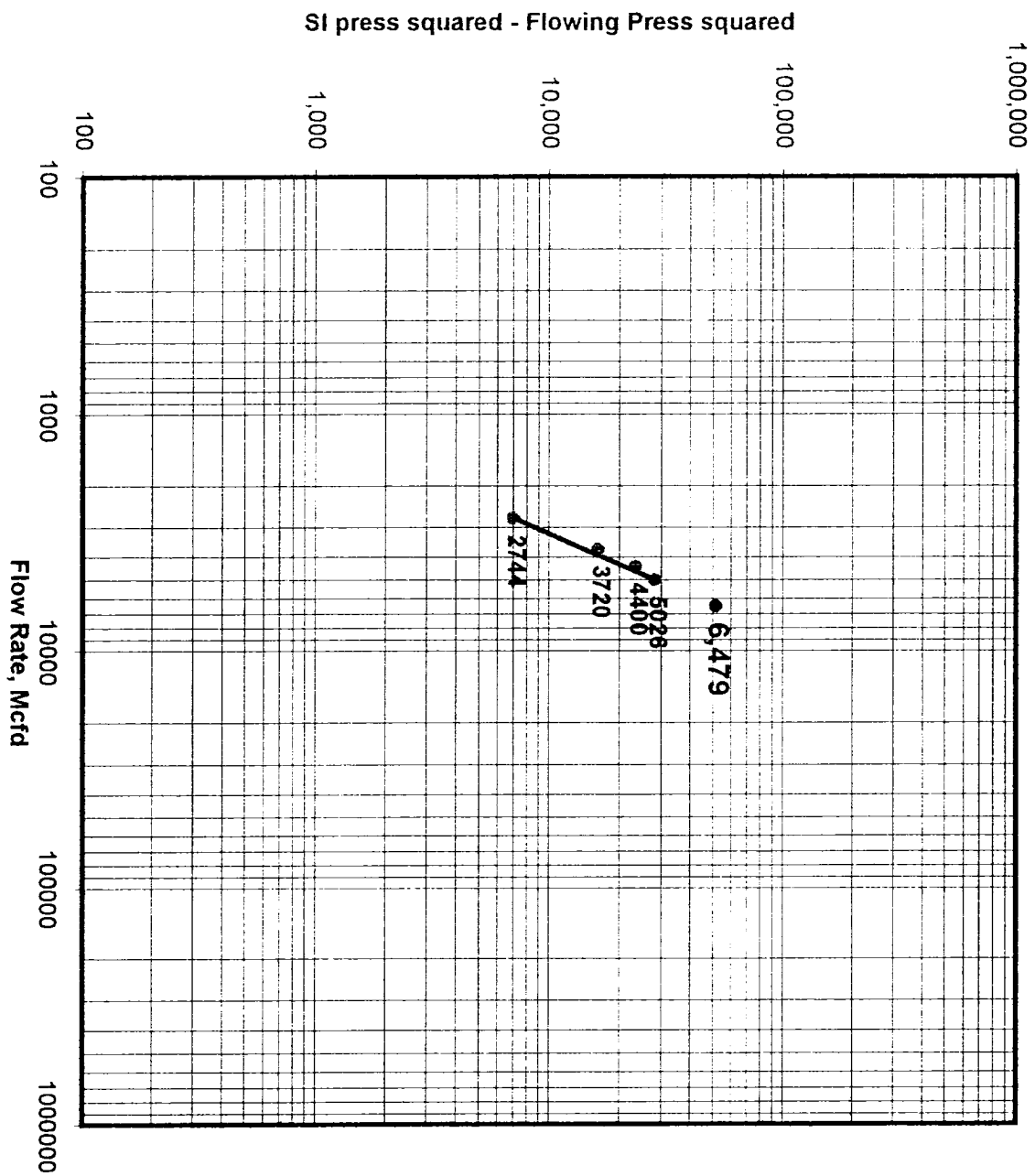


NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL Revised 9-1-63

Form C-122

|                                                                                                                           |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------|--------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |                           |                                                 |                          | Test Date<br><b>6/28/96</b>                     |                                                                                                                                                                                                                                             | API Number<br><b>30-059-20341</b>              |                            |
| Company<br><b>Amoco Corporation</b>                                                                                       |                           |                                                 |                          | Connection<br><b>Bravo Dome CO2 Plant</b>       |                                                                                                                                                                                                                                             |                                                |                            |
| Pool<br><b>N/A</b>                                                                                                        |                           |                                                 |                          | Formation<br><b>Tubb</b>                        |                                                                                                                                                                                                                                             | Unit<br><b>BDCDGU</b>                          |                            |
| Completion Date<br><b>8/23/95</b>                                                                                         |                           | Total Depth<br><b>2364</b>                      |                          | Plug Back Depth<br><b>2352</b>                  |                                                                                                                                                                                                                                             | Elevation<br><b>4833</b>                       |                            |
| Farm or Lease Name<br><b>Bravo Dome</b>                                                                                   |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
| Csg. Size<br><b>5 1/2</b>                                                                                                 | Wt.<br><b>fg</b>          | Csg. Inside Dia<br><b>4.75</b>                  | Set At<br><b>2364</b>    | Perforations<br>From <b>2158</b> To <b>2344</b> |                                                                                                                                                                                                                                             | Well Number<br><b>2234-341G</b>                |                            |
| Tbg. Size<br><b>na</b>                                                                                                    | Wt.<br><b>X</b>           | Tbg. Inside Dia<br><b>X</b>                     | Set At.<br><b>X</b>      | Perforations<br>From <b>X</b> To <b>X</b>       |                                                                                                                                                                                                                                             | Unit Sec. Twp. Rge.<br><b>sec 34,T-22,R-34</b> |                            |
| Type well -Single-Bradenhead-G.G. or G.O. Multiple<br><b>Single</b>                                                       |                           |                                                 |                          | Packer Set At<br><b>na</b>                      |                                                                                                                                                                                                                                             | County<br><b>Union</b>                         |                            |
| Producing Through<br><b>csg</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>2364</b>                                                                                            | Depth, H<br><b>2364</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.         |
| SI                                                                                                                        |                           |                                                 |                          |                                                 | <b>214</b>                                                                                                                                                                                                                                  |                                                |                            |
| 1.                                                                                                                        |                           |                                                 |                          |                                                 | <b>198</b>                                                                                                                                                                                                                                  |                                                |                            |
| 2.                                                                                                                        |                           |                                                 |                          |                                                 | <b>175</b>                                                                                                                                                                                                                                  |                                                |                            |
| 3.                                                                                                                        |                           |                                                 |                          |                                                 | <b>155</b>                                                                                                                                                                                                                                  |                                                |                            |
| 4.                                                                                                                        |                           |                                                 |                          |                                                 | <b>140</b>                                                                                                                                                                                                                                  |                                                |                            |
| 5.                                                                                                                        |                           |                                                 |                          |                                                 | <b>0</b>                                                                                                                                                                                                                                    |                                                |                            |
| Duration of Flow                                                                                                          |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
| <b>24 hour</b>                                                                                                            |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
| <b>60 MIN</b>                                                                                                             |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
| <b>60 MIN</b>                                                                                                             |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
| <b>60 MIN</b>                                                                                                             |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
| <b>60 MIN</b>                                                                                                             |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
| <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>2744</b>                                    | <b>3.4384</b>              |
| 2.                                                                                                                        |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             | <b>3720</b>                                    | <b>3.5705</b>              |
| 3.                                                                                                                        |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             | <b>4400</b>                                    | <b>3.6435</b>              |
| 4.                                                                                                                        |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             | <b>5026</b>                                    | <b>3.7012</b>              |
| 5.                                                                                                                        |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             | <b>6479</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>226.2</b>              | Pc^                                             | <b>51,166</b>            |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
| NO.                                                                                                                       | P t^2                     | Pw                                              | P w^2                    | Pc^2 - P w^2                                    | Pc^2 - P w^2                                                                                                                                                                                                                                |                                                |                            |
| SI                                                                                                                        |                           | <b>226.2</b>                                    | <b>51,166</b>            | <b>0</b>                                        | Log(10)                                                                                                                                                                                                                                     |                                                |                            |
| 1.                                                                                                                        |                           | <b>210.2</b>                                    | <b>44,184</b>            | <b>6,982</b>                                    | <b>3.8440</b>                                                                                                                                                                                                                               |                                                |                            |
| 2.                                                                                                                        |                           | <b>187.2</b>                                    | <b>35,044</b>            | <b>16,123</b>                                   | <b>4.2074</b>                                                                                                                                                                                                                               |                                                |                            |
| 3.                                                                                                                        |                           | <b>167.2</b>                                    | <b>27,956</b>            | <b>23,211</b>                                   | <b>4.3657</b>                                                                                                                                                                                                                               |                                                |                            |
| 4.                                                                                                                        |                           | <b>152.2</b>                                    | <b>23,165</b>            | <b>28,002</b>                                   | <b>4.4472</b>                                                                                                                                                                                                                               |                                                |                            |
| 5.                                                                                                                        |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
|                                                                                                                           |                           |                                                 |                          |                                                 | (1) 4th test point                                                                                                                                                                                                                          | (2) 4th test point                             |                            |
|                                                                                                                           |                           |                                                 |                          |                                                 | Pc^2                                                                                                                                                                                                                                        | <b>1.827</b>                                   | Pc^2 ^n                    |
|                                                                                                                           |                           |                                                 |                          |                                                 | Pc^2 - P w^2                                                                                                                                                                                                                                | Pc^2-Pw^2                                      |                            |
|                                                                                                                           |                           |                                                 |                          |                                                 | 4th test point                                                                                                                                                                                                                              |                                                |                            |
|                                                                                                                           |                           |                                                 |                          |                                                 | Q   P^2 ^n                                                                                                                                                                                                                                  | <b>6,479</b>                                   | = AOF                      |
|                                                                                                                           |                           |                                                 |                          |                                                 | Pc^2-Pw^2                                                                                                                                                                                                                                   |                                                |                            |
| Absolute Open Flow <b>6,479</b> Mcfd @ 15.025                                                                             |                           |                                                 |                          |                                                 | Angle of Slope <b>67.16</b>                                                                                                                                                                                                                 | Slope, n = <b>0.421</b> (Cotangent)            |                            |
| Remarks:                                                                                                                  |                           |                                                 |                          |                                                 |                                                                                                                                                                                                                                             |                                                |                            |
| Approved By Commission:                                                                                                   |                           | Conducted By:<br><b>Bill Prichard, Contract</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

