

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

Form C-122  
 Revised 9-1-65

|                                                                                                                           |              |                         |                   |                                     |                              |                                       |                      |                                     |            |
|---------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|-------------------|-------------------------------------|------------------------------|---------------------------------------|----------------------|-------------------------------------|------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |              |                         |                   |                                     | Test Date<br>3-26-79         |                                       |                      |                                     |            |
| Company<br>Getty Oil Company                                                                                              |              |                         |                   |                                     | Connection<br>Not Connected  |                                       |                      |                                     |            |
| Pool<br>Ballard                                                                                                           |              |                         |                   |                                     | Formation<br>Pictured Cliffs |                                       |                      |                                     |            |
| Completion Date<br>March 16, 1979                                                                                         |              | Total Depth<br>6245     |                   | Plug Back TD<br>2790                |                              | Elevation<br>6734                     |                      | Farm or Lease Name<br>Jicarilla "B" |            |
| Csg. Size<br>5.500                                                                                                        | Wt.<br>15.50 | d<br>4.950              | Set At<br>6244    | Perforations:<br>From 2690 To 2698  |                              | Well No.<br>13                        |                      |                                     |            |
| Thg. Size<br>2.375                                                                                                        | Wt.<br>4.70  | d<br>1.995              | Set At<br>2724    | Perforations:<br>From Open To ended |                              | Unit<br>B                             | Sec.<br>32           | Twp.<br>25N                         | Rge.<br>5W |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                         |              |                         |                   |                                     | Packer Set At<br>-n          |                                       | County<br>Rio Arriba |                                     |            |
| Producing Thru<br>tubing                                                                                                  |              | Reservoir Temp. °F<br>@ |                   | Mean Annual Temp. °F                |                              | Baro. Press. - P <sub>a</sub><br>12.0 |                      | State<br>New Mexico                 |            |
| L<br>2724                                                                                                                 | H<br>2724    | Gg<br>.695              | % CO <sub>2</sub> | % N <sub>2</sub>                    | % H <sub>2</sub> S           | Prover<br>2.000                       | Meter Run            | Taps                                |            |

  

| FLOW DATA |                        |   |                 |                    |                         |             | TUBING DATA        |             | CASING DATA        |             | Duration<br>of<br>Flow |
|-----------|------------------------|---|-----------------|--------------------|-------------------------|-------------|--------------------|-------------|--------------------|-------------|------------------------|
| NO.       | Prover<br>Line<br>Size | X | Orifice<br>Size | Press.<br>p.s.i.g. | Diff.<br>h <sub>w</sub> | Temp.<br>°F | Press.<br>p.s.i.g. | Temp.<br>°F | Press.<br>p.s.i.g. | Temp.<br>°F |                        |
| SI        |                        |   |                 |                    |                         |             | 64.8               |             | 711                |             | 168 Hr. ST             |
| 1.        | 2.000                  | X | .750            |                    |                         |             | 60                 | 60          | 147                |             | 1 st Hr                |
| 2.        | 2.000                  | X | .750            |                    |                         |             | 53                 | 60          | 121                |             | 2nd Hr.                |
| 3.        | 2.000                  | X | .750            |                    |                         |             | 49                 | 60          | 102                |             | 3rd Hr.                |
| 4.        |                        |   |                 |                    |                         |             |                    |             |                    |             |                        |
| 5.        |                        |   |                 |                    |                         |             |                    |             |                    |             |                        |

  

| RATE OF FLOW CALCULATIONS |                          |                  |                            |                                        |                                     |                                               |                         |
|---------------------------|--------------------------|------------------|----------------------------|----------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------|
| NO.                       | Coefficient<br>(24 Hour) | $\sqrt{h_w P_m}$ | Pressure<br>P <sub>m</sub> | Flow Temp.<br>Factor<br>F <sub>t</sub> | Gravity<br>Factor<br>F <sub>g</sub> | Super<br>Compress.<br>Factor, F <sub>pv</sub> | Rate of Flow<br>Q, Mcfd |
| 1                         | 11.00                    |                  | 72                         | 1.000                                  | 1.200                               | 1.000                                         | 950                     |
| 2                         | 11.00                    |                  | 65                         | 1.000                                  | 1.200                               | 1.000                                         | 858                     |
| 3                         | 11.00                    |                  | 61                         | 1.000                                  | 1.200                               | 1.000                                         | 805                     |
| 4.                        |                          |                  |                            |                                        |                                     |                                               |                         |
| 5.                        |                          |                  |                            |                                        |                                     |                                               |                         |

  

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

  

|                    |                                    |                                            |                                            |
|--------------------|------------------------------------|--------------------------------------------|--------------------------------------------|
| P <sub>c</sub> 723 | P <sub>c</sub> <sup>2</sup> 522729 | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0255$ | (2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0216$ |
| NO.                | P <sub>c</sub> <sup>2</sup>        | P <sub>w</sub>                             | P <sub>w</sub> <sup>2</sup>                |
| 1                  |                                    |                                            |                                            |
| 2                  |                                    |                                            |                                            |
| 3                  | 3721                               | 114                                        | 12996                                      |
| 4                  |                                    |                                            |                                            |
| 5                  |                                    |                                            |                                            |

  

|                    |  |     |                |                |   |          |     |
|--------------------|--|-----|----------------|----------------|---|----------|-----|
| Absolute Open Flow |  | 822 | Mcf/d @ 15.025 | Angle of Slope | 3 | Slope, n | .85 |
| Remarks:           |  |     |                |                |   |          |     |

  

|                         |                                  |                                   |                                 |
|-------------------------|----------------------------------|-----------------------------------|---------------------------------|
| Approved By Commission: | Conducted By:<br>Paul D. Berhost | Calculated By:<br>Paul D. Berhost | Checked By:<br>R.P. Hergenreter |
|-------------------------|----------------------------------|-----------------------------------|---------------------------------|

