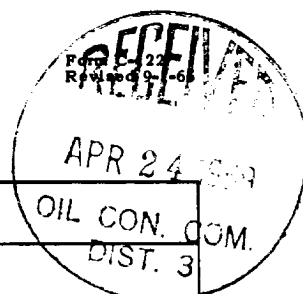


**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**



|                                                                                                                           |            |                              |                                     |                                        |                  |
|---------------------------------------------------------------------------------------------------------------------------|------------|------------------------------|-------------------------------------|----------------------------------------|------------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |            |                              |                                     | Test Date<br>4-14-69                   |                  |
| Company<br>Aztec Oil and Gas                                                                                              |            |                              |                                     | Connection<br>Southern Union Gathering |                  |
| Pool<br><del>Aztec Under</del>                                                                                            |            |                              |                                     | Formation<br>Pictured Cliffs           |                  |
| Completion Date<br>4-9-69                                                                                                 |            | Total Depth<br>2605          |                                     | Plug Back TD<br>2605                   |                  |
| Elevation<br>5873 Gr                                                                                                      |            | Farm or Lease Name<br>Pierce |                                     |                                        |                  |
| Csq. Size<br>4 1/2                                                                                                        | Wt.<br>9.5 | Set At<br>4.093              | Set At<br>2605                      | Perforations:<br>From 2535 To 2563     |                  |
| Thg. Size<br>1                                                                                                            | Wt.<br>1.7 | Set At<br>2520               | Perforations:<br>From open eddee To |                                        | Well No.<br>#4   |
| Type Well - Single - Bradenhead - G.C. or G.O. Multiple<br>single                                                         |            |                              |                                     | Packer Set At                          |                  |
| Producing Thru                                                                                                            |            | Reservoir Temp. °F<br>@      |                                     | Baro. Press. - P <sub>g</sub>          |                  |
| L                                                                                                                         |            | H                            | Gg                                  | % CO <sub>2</sub>                      | % N <sub>2</sub> |
|                                                                                                                           |            |                              |                                     | % H <sub>2</sub> S                     | Prover           |
|                                                                                                                           |            |                              |                                     | Meter Run                              | Taps             |
| State<br>New Mexico                                                                                                       |            |                              |                                     |                                        |                  |
| County<br>San Juan                                                                                                        |            |                              |                                     |                                        |                  |

| FLOW DATA |                  |   |              |                 |                      | TUBING DATA |                 | CASING DATA |                 | Duration of Flow |
|-----------|------------------|---|--------------|-----------------|----------------------|-------------|-----------------|-------------|-----------------|------------------|
| NO.       | Prover Line Size | X | Orifice Size | Press. p.s.i.g. | Diff. h <sub>w</sub> | Temp. °F    | Press. p.s.i.g. | Temp. °F    | Press. p.s.i.g. |                  |
| SI        | 2                |   | 3/4          |                 |                      |             | 837             |             | 844             |                  |
| 1.        |                  |   |              |                 |                      |             | 306             |             | 280             |                  |
| 2.        |                  |   |              |                 |                      |             |                 |             |                 |                  |
| 3.        |                  |   |              |                 |                      |             |                 |             |                 |                  |
| 4.        |                  |   |              |                 |                      |             |                 |             |                 |                  |
| 5.        |                  |   |              |                 |                      |             |                 |             |                 |                  |

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                                  |                               |                                         |                      |
|---------------------------|-----------------------|------------------|-------------------------|----------------------------------|-------------------------------|-----------------------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor F <sub>t</sub> | Gravity Factor F <sub>g</sub> | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |
| 1                         | 12.365                |                  | 292                     | 1.000                            | .9258                         | 1.031                                   | 3447                 |
| 2.                        |                       |                  |                         |                                  |                               |                                         |                      |
| 3.                        |                       |                  |                         |                                  |                               |                                         |                      |
| 4.                        |                       |                  |                         |                                  |                               |                                         |                      |
| 5.                        |                       |                  |                         |                                  |                               |                                         |                      |

|     |                |          |                |   |                                                  |
|-----|----------------|----------|----------------|---|--------------------------------------------------|
| NO. | P <sub>t</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 _____ XXXXXXXXXX  |
| 3.  |                |          |                |   | Specific Gravity Flowing Fluid _____ XXXXXX      |
| 4.  |                |          |                |   | Critical Pressure _____ P.S.I.A. _____ P.S.I.A.  |
| 5.  |                |          |                |   | Critical Temperature _____ R _____ R             |

|                    |                                    |                                            |                                                             |
|--------------------|------------------------------------|--------------------------------------------|-------------------------------------------------------------|
| P <sub>c</sub> 856 | P <sub>c</sub> <sup>2</sup> 732736 | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1328$ | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1175$ |
| NO                 | P <sub>t</sub> <sup>2</sup>        | P <sub>w</sub>                             | P <sub>w</sub> <sup>2</sup>                                 |
| 1                  | 85264                              |                                            | 85862                                                       |
| 2                  |                                    |                                            | 646874                                                      |
| 3                  |                                    |                                            |                                                             |
| 4                  |                                    |                                            |                                                             |
| 5                  |                                    |                                            |                                                             |

|                                       |               |                                   |                |
|---------------------------------------|---------------|-----------------------------------|----------------|
| Absolute Open Flow 3852 Mcfd @ 15.025 |               | Angle of Slope @ _____            | Slope, n _____ |
| Remarks: _____                        |               |                                   |                |
| Approved By Commission:               | Conducted By: | Calculated By: <i>[Signature]</i> | Checked By:    |