

Form C-122  
Revised 9-1-65

|                                                          |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
|----------------------------------------------------------|-----------------------------|---------------------------------------------|-----------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------|----------------------|---------------------|-----------------|---------------------|--|------------------|
| Type Test                                                |                             | <input checked="" type="checkbox"/> Initial |                             | <input type="checkbox"/> Annual                           |                                                             | <input type="checkbox"/> Special        |                      | Test Date           |                 | 10-18-77            |  |                  |
| Company                                                  |                             |                                             |                             | Connection                                                |                                                             |                                         |                      | Unit                |                 |                     |  |                  |
| Aztec Oil & Gas Company                                  |                             |                                             |                             | Southern Union Gathering                                  |                                                             |                                         |                      |                     |                 |                     |  |                  |
| Pool                                                     |                             |                                             |                             | Formation                                                 |                                                             |                                         |                      | Unit                |                 |                     |  |                  |
| Blanco                                                   |                             |                                             |                             | Mesa Verde                                                |                                                             |                                         |                      |                     |                 |                     |  |                  |
| Completion Date                                          |                             | Total Depth                                 |                             | Pore Depth                                                |                                                             | Elevation                               |                      | Farm or Lease Name  |                 |                     |  |                  |
| 10-6-77                                                  |                             | 5343'                                       |                             | 5275'                                                     |                                                             | 5946' GR                                |                      | Pierce              |                 |                     |  |                  |
| Csg. Size                                                |                             | Wt.                                         |                             | d                                                         |                                                             | Set At                                  |                      | Perforations        |                 | Well No.            |  |                  |
| 7.000                                                    |                             | 20#                                         |                             | 6.456                                                     |                                                             | 2945'                                   |                      | From 4240' To 4378' |                 | #2A                 |  |                  |
| 4.500                                                    |                             | 10.50#                                      |                             | 4.052                                                     |                                                             | 2775-5277'                              |                      |                     |                 |                     |  |                  |
| Tbg. Size                                                |                             | Wt.                                         |                             | d                                                         |                                                             | Set At                                  |                      | Perforations        |                 | Unit Sec. Twp. Rge. |  |                  |
| 2.375                                                    |                             | 4.7#                                        |                             | 1.995                                                     |                                                             | 5141'                                   |                      | From 4669' To 5141' |                 | E 30, T31N, R10W    |  |                  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple  |                             |                                             |                             |                                                           |                                                             |                                         |                      | Packer Set At       |                 | County              |  |                  |
| Single                                                   |                             |                                             |                             |                                                           |                                                             |                                         |                      | -----               |                 | San Juan            |  |                  |
| Producing Thru                                           |                             | Reservoir Temp. °F                          |                             | Mean Annual Temp. °F                                      |                                                             | Base Press. - P <sub>g</sub>            |                      | State               |                 |                     |  |                  |
| Tbg.                                                     |                             | a                                           |                             |                                                           |                                                             | 12.2                                    |                      | New Mexico          |                 |                     |  |                  |
| L                                                        |                             | H                                           |                             | G <sub>g</sub>                                            |                                                             | % CO <sub>2</sub>                       |                      | % N <sub>2</sub>    |                 | % H <sub>2</sub> S  |  |                  |
|                                                          |                             |                                             |                             | .700                                                      |                                                             |                                         |                      |                     |                 | Prover              |  |                  |
|                                                          |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 | Meter Run           |  |                  |
|                                                          |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 | Taps                |  |                  |
| FLOW DATA                                                |                             |                                             |                             |                                                           |                                                             | TUBING DATA                             |                      |                     | CASING DATA     |                     |  | Duration of Flow |
| NO.                                                      | Prover Line Size            | X                                           | Orifice Size                | Press. p.s.i.g.                                           | Diff. hw                                                    | Temp. °F                                | Press. p.s.i.g.      | Temp. °F            | Press. p.s.i.g. | Temp. °F            |  |                  |
| Si                                                       |                             |                                             |                             |                                                           |                                                             |                                         | 648                  |                     | 887             |                     |  |                  |
| 1.                                                       | 2"                          | X 3/4"                                      |                             |                                                           |                                                             |                                         | 264                  |                     | 811             |                     |  | 1 hr             |
| 2.                                                       |                             |                                             |                             |                                                           |                                                             |                                         | 256                  |                     | 790             |                     |  | 2 hrs            |
| 3.                                                       |                             |                                             |                             |                                                           |                                                             |                                         | 245                  |                     | 773             |                     |  | 3 hrs            |
| 4.                                                       |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| 5.                                                       |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| RATE OF FLOW CALCULATIONS                                |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| NO.                                                      | Coefficient (24 Hour)       | $\sqrt{P_w P_m}$                            | Pressure P <sub>m</sub>     | Flow Temp. Factor Ft.                                     | Gravity Factor F <sub>g</sub>                               | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |                     |                 |                     |  |                  |
| 1                                                        | 12.365                      |                                             | 257.2                       | 1.0000                                                    | .9258                                                       | 1.0000                                  | 2944                 |                     |                 |                     |  |                  |
| 2                                                        |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| 3                                                        |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| 4                                                        |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| 5                                                        |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| NO.                                                      | P <sub>g</sub>              | Temp. °R                                    | T <sub>g</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 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> 899.2 P <sub>c</sub> <sup>2</sup> 808,561 |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| NO                                                       | P <sub>c</sub> <sup>2</sup> | P <sub>w</sub>                              | P <sub>w</sub> <sup>2</sup> | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.2108$                  |                                         |                      |                     |                 |                     |  |                  |
| 1                                                        |                             | 785.2                                       | 616,539                     | 192,022                                                   | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.9395$ |                                         |                      |                     |                 |                     |  |                  |
| 2                                                        |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| 3                                                        |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| 4                                                        |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| 5                                                        |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| Absolute Open Flow 8,654                                 |                             |                                             |                             |                                                           | Angle of Slope 0.75                                         |                                         |                      |                     |                 |                     |  |                  |
| Remarks:                                                 |                             |                                             |                             |                                                           |                                                             |                                         |                      |                     |                 |                     |  |                  |
| Approved By                                              |                             |                                             |                             | Conducted By:                                             |                                                             |                                         |                      | Checked By:         |                 |                     |  |                  |
| Bob Shindledecker                                        |                             |                                             |                             | James Smith                                               |                                                             |                                         |                      |                     |                 |                     |  |                  |