

**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>9-5-73 |  |
| Company<br>Aztec Oil & Gas Company                                                                                        |               |                            | Connection<br>Southern Union Gathering |                                    |                     |  |
| Pool<br>Blanco                                                                                                            |               |                            | Formation<br>Mesaverde                 |                                    | Unit                |  |
| Completion Date<br>8-27-73                                                                                                |               | Total Depth<br>6089'       |                                        | Plug Back TD<br>6057'              |                     |  |
| Elevation<br>6815 GR                                                                                                      |               | Farm or Lease Name<br>Page |                                        |                                    |                     |  |
| Csg. Size<br>5 1/2"                                                                                                       | Wt.<br>15.50# | d<br>3 1/2"                | Set At<br>5770'                        | Perforations:<br>From 5892 To 5995 |                     |  |
| Well No.<br>#2-Y                                                                                                          |               |                            |                                        |                                    |                     |  |
| Tbg. Size<br>1 1/2"                                                                                                       | Wt.<br>2.90#  | d<br>5939'                 | Set At<br>5939'                        | Perforations:<br>From ---- To ---- |                     |  |
| Unit<br>M                                                                                                                 |               | Sec.<br>7                  | Twp.<br>32N                            | Rge.<br>10W                        |                     |  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                         |               |                            |                                        | Packer Set At<br>----              |                     |  |
| Producing Thru<br>Tubing                                                                                                  |               | Reservoir Temp. °F<br>@    |                                        | Mean Annual Temp. °F<br>@          |                     |  |
| Baro. Press. - P <sub>g</sub>                                                                                             |               | State<br>New Mexico        |                                        |                                    |                     |  |
| L                                                                                                                         | H             | Gg                         | % CO <sub>2</sub>                      | % N <sub>2</sub>                   | % H <sub>2</sub> S  |  |
| 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. h <sub>w</sub> | Temp. °F    | Press. p.s.i.g. | Temp. °F    | Press. p.s.i.g. |                  |
| SI        |                  |   |              |                 |                      |             | 735             |             | 735             |                  |
| 1.        | 2"               |   | 3/4"         |                 |                      |             | 127             |             | 545             |                  |
| 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 Ft. | Gravity Factor F <sub>g</sub> | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |
| 1                         | 12.365                |                  | 127                     | 1.0000                | .9258                         | 1.0000                                  | 1454                 |
| 2.                        |                       |                  |                         |                       |                               |                                         |                      |
| 3.                        |                       |                  |                         |                       |                               |                                         |                      |
| 4.                        |                       |                  |                         |                       |                               |                                         |                      |
| 5.                        |                       |                  |                         |                       |                               |                                         |                      |

  

|     |   |          |                                                                                                                                                                                                                                                                                                        |  |  |  |
|-----|---|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| NO. | R | Temp. °F | Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.<br>A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.<br>Specific Gravity Separator Gas _____ X X X X X X X X X<br>Specific Gravity Flowing Fluid _____ X X X X X<br>Critical Pressure _____ P.S.I.A. _____ P.S.I.A.<br>Critical Temperature _____ R _____ R |  |  |  |
|     |   |          |                                                                                                                                                                                                                                                                                                        |  |  |  |
|     |   |          |                                                                                                                                                                                                                                                                                                        |  |  |  |
|     |   |          |                                                                                                                                                                                                                                                                                                        |  |  |  |
|     |   |          |                                                                                                                                                                                                                                                                                                        |  |  |  |

  

|                    |                                     |                                            |                                                             |
|--------------------|-------------------------------------|--------------------------------------------|-------------------------------------------------------------|
| P <sub>c</sub> 747 | P <sub>c</sub> <sup>2</sup> 558,009 | (1) $\frac{P_c^2}{P_e^2 - P_w^2} = 2.3592$ | (2) $\left[ \frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.9035$ |
| NO.                | P <sub>t</sub> <sup>2</sup>         | P <sub>w</sub>                             | P <sub>w</sub> <sup>2</sup>                                 |
| 1                  |                                     | 567                                        | 321,489                                                     |
| 2                  |                                     |                                            | 236,520                                                     |
| 3                  |                                     |                                            |                                                             |
| 4                  |                                     |                                            |                                                             |
| 5                  |                                     |                                            |                                                             |

  

AOF = Q  $\left[ \frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 2768$

Absolute Open Flow 2768 Mcfd @ 15.025

Angle of Slope  $\phi$  \_\_\_\_\_ Slope, n \_\_\_\_\_

Remarks: \_\_\_\_\_

  

|                         |               |                    |             |
|-------------------------|---------------|--------------------|-------------|
| Approved By Commission: | Conducted By: | Calculated By:<br> | Checked By: |
|-------------------------|---------------|--------------------|-------------|