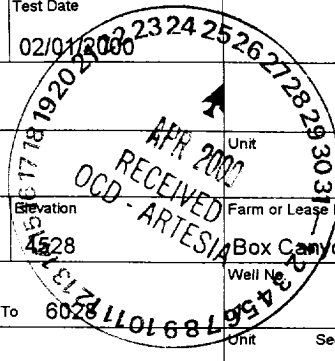


NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT ONE POINT BACK PRESSURE TEST FOR WELL

Form C-122 *C/SF*

|                                                                                                                           |  |                              |                                    |                                    |                                   |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |  |                              |                                    | Test Date<br>02/01/2000            |                                   |
| Company<br>Yates Petroleum Corp                                                                                           |  |                              | Connection<br>Agave Energy Company |                                    |                                   |
| Pool<br>Indian Loafer Draw                                                                                                |  |                              | Formation<br>Upper Penn            |                                    |                                   |
| Completion Date<br>1/31/2000                                                                                              |  | Total Depth<br>8360          |                                    | Plug Back TD<br>6047               |                                   |
| Csg. Size<br>5.500                                                                                                        |  | Wt.<br>17.000                |                                    | Perforations:<br>From 6012 To 6028 |                                   |
| Tbg. Size<br>2.875                                                                                                        |  | Wt.<br>6.500                 |                                    | Perforations:<br>From 6012 To 6028 |                                   |
| Type Well<br>Single                                                                                                       |  |                              | Packer Set At<br>5969              |                                    | Unit<br>Box Canyon 34 ATN Federal |
| Producing Thru<br>Tubing                                                                                                  |  | Resv. Temp. °F<br>139 @ 7719 |                                    | Baro. Press. - Pa<br>13.2          |                                   |
| L<br>8360                                                                                                                 |  | H<br>8360                    |                                    | Gg<br>0.636                        |                                   |
|                                                                                                                           |  |                              |                                    | %CO <sub>2</sub><br>0.107          |                                   |
|                                                                                                                           |  |                              |                                    | %N <sub>2</sub><br>1.025           |                                   |
|                                                                                                                           |  |                              |                                    | %H <sub>2</sub> S<br>0.000         |                                   |
|                                                                                                                           |  |                              |                                    | Prover<br>0.000                    |                                   |
|                                                                                                                           |  |                              |                                    | Meter Run<br>2.000                 |                                   |
|                                                                                                                           |  |                              |                                    | Taps<br>Flange                     |                                   |



| 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>hw | Temp.<br>°F | Press.<br>p.s.i.g. | Temp.<br>°F | Press.<br>p.s.i.g. | Temp.<br>°F |                        |
| Sl.       | 0.000                  | x | 0.000           | 0                  | 0.0         | 0           | 1310               | 0           |                    |             | 0                      |
| 1.        | 2.067                  | x | 1.000           | 850                | 73.0        | 60          | 1220               | 60          |                    |             | 24                     |
| 2.        | 2.067                  | x | 1.000           | 850                | 246.0       | 60          | 1097               | 60          |                    |             | 24                     |
| 3.        | 2.067                  | x | 1.000           | 850                | 451.0       | 60          | 973                | 60          |                    |             | 24                     |
| 4.        | 2.067                  | x | 1.000           | 850                | 664.0       | 60          | 850                | 60          |                    |             | 24                     |
| 5.        |                        | x |                 |                    |             |             |                    |             |                    |             |                        |

| RATE OF FLOW CALCULATIONS |                       |               |             |                      |                   |                             |                      |
|---------------------------|-----------------------|---------------|-------------|----------------------|-------------------|-----------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{hwPm}$ | Pressure Pm | Flow Temp. Factor Ft | Gravity Factor Fg | Super Compress. Factor, Fpv | Rate of Flow Q, Mcfd |
| 1                         | 4.946                 | 251.0         | 863.2       | 1.0000               | 1.254             | 1.085                       | 1690                 |
| 2                         | 4.946                 | 460.8         | 863.2       | 1.0000               | 1.254             | 1.085                       | 3102                 |
| 3                         | 4.946                 | 623.9         | 863.2       | 1.0000               | 1.254             | 1.085                       | 4199                 |
| 4                         | 4.946                 | 757.1         | 863.2       | 1.0000               | 1.254             | 1.085                       | 5096                 |
| 5                         |                       |               |             |                      |                   |                             |                      |

| NO. | Pr   | Temp °R | Tr   | Z     | Gas Liquid Hydrocarbon Ratio | A.P.I. Gravity of Liquid Hydrocarbons | Specific Gravity Separator Gas | Specific Gravity Flowing Fluid | Critical Pressure | Critical Temperature | Mc/bbl. | Deg. |
|-----|------|---------|------|-------|------------------------------|---------------------------------------|--------------------------------|--------------------------------|-------------------|----------------------|---------|------|
|     |      |         |      |       | 0                            | 0.000                                 | 0.636                          | 0.636                          | 669               | 365                  |         |      |
| 1.  | 1.29 | 520     | 1.42 | 0.849 |                              |                                       |                                |                                |                   |                      |         |      |
| 2.  | 1.29 | 520     | 1.42 | 0.849 |                              |                                       |                                |                                |                   |                      |         |      |
| 3.  | 1.29 | 520     | 1.42 | 0.849 |                              |                                       |                                |                                |                   |                      |         |      |
| 4.  | 1.29 | 520     | 1.42 | 0.849 |                              |                                       |                                |                                |                   |                      |         |      |
| 5.  |      |         |      |       |                              |                                       |                                |                                |                   |                      |         |      |

| Pc 1323.2 |        | Pc' 1750.9 |        |           |                                                                                                                                                   |
|-----------|--------|------------|--------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| NO.       | Pt'    | Pw         | Pw'    | Pc' - Pw' |                                                                                                                                                   |
| 1.        | 1520.8 | 1242.8     | 1544.5 | 206.4     | $(1) \frac{Pc'}{Pc' - Pw'} = 2.792$ $(2) \left[ \frac{Pc'}{Pc' - Pw'} \right]^n = 2.411$ $AOF = Q \left[ \frac{Pc'}{Pc' - Pw'} \right]^n = 10125$ |
| 2.        | 1232.5 | 1146.2     | 1313.7 | 437.2     |                                                                                                                                                   |
| 3.        | 972.6  | 1060.1     | 1123.8 | 627.0     |                                                                                                                                                   |
| 4.        | 745.1  | 985.6      | 971.4  | 779.5     |                                                                                                                                                   |
| 5.        |        |            |        |           |                                                                                                                                                   |

|                    |       |               |                         |    |          |       |
|--------------------|-------|---------------|-------------------------|----|----------|-------|
| Absolute Open Flow | 10125 | Mcfd @ 15.025 | Angle of Slope $\theta$ | 41 | Slope, n | 0.857 |
|--------------------|-------|---------------|-------------------------|----|----------|-------|

Remarks:

|                         |                              |                                 |             |
|-------------------------|------------------------------|---------------------------------|-------------|
| Approved By Commission: | Conducted By:<br>TGR Pumping | Calculated By:<br>Katie Brunson | Checked By: |
|-------------------------|------------------------------|---------------------------------|-------------|