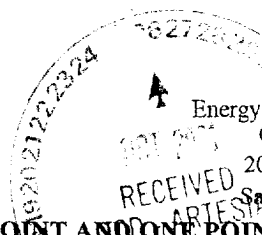


Submit in duplicate to  
appropriate district office.  
See Rule 401 & Rule 1122



State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-122  
Revised October, 1999

### MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

|                                                                                                                           |            |                             |                            |                                                     |                          |                                                          |                            |
|---------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------|----------------------------|-----------------------------------------------------|--------------------------|----------------------------------------------------------|----------------------------|
| Operator<br><b>DEVON OPS OPERATING</b>                                                                                    |            |                             |                            | Lease or Unit Name<br><b>SOUTHERN CROSS FED COM</b> |                          |                                                          |                            |
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |            |                             |                            |                                                     |                          | Test Date<br>8/6/01                                      | Well No.<br>1 #11-1        |
| Completion Date                                                                                                           |            | Total Depth                 |                            | Plug Back TD                                        |                          | Elevation                                                | Unit Ltr - Sec - TWP - Rge |
| Csg. Size                                                                                                                 | Wt.        | d                           | Set At                     | Perforations:<br>From: To:                          |                          |                                                          | County<br>EDDY             |
| Tbg. Size<br>2 3/8                                                                                                        | Wt.<br>4.7 | d<br>1.995                  | Set At                     | Perforations:<br>From: To:                          |                          |                                                          | Pool                       |
| Type Well-Single-Bradenhead-G.G. or G.O. Multiple<br>SINGLE                                                               |            |                             |                            | Packer Set At                                       |                          | Formation<br><b>Penasco Or gw</b><br><b>Permian Penn</b> |                            |
| Producing Thru<br>TUBING                                                                                                  |            | Reservoir Temp. °F<br>122.3 | Mean Annual Temp. °F<br>60 | Baro. Press. - P <sub>a</sub><br>13.2               |                          | Connection<br>AIR                                        |                            |
| L<br>6284                                                                                                                 | H<br>6284  | Gg<br>0.644                 | %CO <sub>2</sub><br>0.241  | %N <sub>2</sub><br>1.24                             | %H <sub>2</sub> S<br>N/A | Prover<br>N/A                                            | Meter Run<br>3.068         |
| Taps<br>FLG                                                                                                               |            |                             |                            |                                                     |                          |                                                          |                            |

| FLOW DATA |                        |                      |                   | TUBING DATA             |             |                   |             | CASING DATA       |             | Duration<br>of<br>Flow |
|-----------|------------------------|----------------------|-------------------|-------------------------|-------------|-------------------|-------------|-------------------|-------------|------------------------|
| No.       | Prover<br>Line<br>Size | Orifice<br>x<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        |                        |                      |                   |                         |             | 1695              | N/A         | PKR               | N/A         | 72 HRS.                |
| 1         | 3.068                  | X .625               | 240               | 9                       | 82          | 1642              |             |                   |             | 1 HR                   |
| 2         | 3.068                  | X .625               | 250               | 22                      | 76          | 1586              |             |                   |             | 1 HR                   |
| 3         | 3.068                  | X .625               | 210               | 42                      | 72          | 1358              |             |                   |             | 1 HR                   |
| 4         | 3.068                  | X .625               | 210               | 84                      | 72          | 1203              |             |                   |             | 1 HR                   |
| 5         |                        |                      |                   |                         |             |                   |             |                   |             |                        |

| No. | COEFFICIENT<br>(24 Hour) | $\sqrt{h_w P_m}$ | Pressure<br>P <sub>m</sub> | Flow Temp.<br>Factor Ft. | Gravity Factor<br>F <sub>g</sub> | Super Compress<br>Factor F <sub>pv</sub> | Rate of Flow<br>Q, Mcfd |
|-----|--------------------------|------------------|----------------------------|--------------------------|----------------------------------|------------------------------------------|-------------------------|
| 1   | 1.85                     | 47.7             | 253.2                      | 0.9795                   | 1.246                            | 1.046                                    | 112                     |
| 2   | 1.85                     | 76               | 263.2                      | 0.985                    | 1.246                            | 1.047                                    | 180                     |
| 3   | 1.85                     | 96.8             | 223.2                      | 0.9887                   | 1.246                            | 1.048                                    | 231                     |
| 4   | 1.85                     | 136.9            | 223.2                      | 0.9887                   | 1.246                            | 1.048                                    | 326                     |
| 5   |                          |                  |                            |                          |                                  |                                          |                         |

| No. | P <sub>r</sub> | Temp. °R | T <sub>r</sub> | Z     | Gas Liquid Hydrocarbon Ratio           | N/A    | Mcf bbl.          |
|-----|----------------|----------|----------------|-------|----------------------------------------|--------|-------------------|
| 1   | 0.8            | 542      | 1.47           | 0.914 | A.P. I. Gravity of Liquid Hydrocarbons | N/A    | Deg.              |
| 2   | 0.79           | 536      | 1.46           | 0.913 | Specific Gravity Separator Gas         | 0.644  | XXXXXXX           |
| 3   | 0.79           | 532      | 1.44           | 0.91  | Specific Gravity Flowing Fluid         | XXXXXX |                   |
| 4   | 0.79           | 532      | 1.44           | 0.91  | Critical Pressure                      | 672    | P.S.I.A. P.S.I.A. |
| 5   |                |          |                |       | Critical Temperature                   | 367    | R. R.             |

| P <sub>c</sub> 1731.9 |                             | P <sub>c2</sub> 2999.5 |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| No.                   | P <sub>t</sub> <sup>2</sup> | P <sub>w</sub>         | P <sub>w</sub> <sup>2</sup> |
| 1                     |                             | 1682.2                 | 2829.8                      |
| 2                     |                             | 1633.6                 | 2668.6                      |
| 3                     |                             | 1499.2                 | 2247.6                      |
| 4                     |                             | 1262.8                 | 1594.7                      |
| 5                     |                             |                        |                             |

(1)  $P_c^2 = \frac{2.13}{P_c^2 - P_w^2}$

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 472.7$

(2)  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.45$

|                    |       |              |                    |      |          |        |
|--------------------|-------|--------------|--------------------|------|----------|--------|
| Absolute Open Flow | 472.7 | Mcf @ 15.025 | Angle of Slope (°) | 63.5 | Slope n: | 0.4986 |
|--------------------|-------|--------------|--------------------|------|----------|--------|

Remarks: \* CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES. NO LIQUID MADE DURING TEST.

|                       |                                   |                                |                   |
|-----------------------|-----------------------------------|--------------------------------|-------------------|
| Approved By Division: | Conducted By:<br>PRO WELL TESTING | Calculated By:<br>MERV BUECKER | Checked By:<br>BM |
|-----------------------|-----------------------------------|--------------------------------|-------------------|

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