

OIL CONSERVATION DIVISION  
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #: STOREY C LS 006  
Meter #: 74533 RTU: - - County: SAN JUAN

|             | NAME RESERVOIR OR POOL       | TYPE PROD | METHOD PROD | MEDIUM PROD |
|-------------|------------------------------|-----------|-------------|-------------|
| UPR<br>COMP | STOREY C LS 006 PC 74533 48  | GAS       | FLOW        | TBG         |
| LWR<br>COMP | STOREY C LS 006 MV 71829 455 | GAS       | FLOW        | TBG         |

PRE-FLOW SHUT-IN PRESSURE DATA

|             | Hour/Date Shut-In | Length of Time Shut-In | SI Press. PSIG | Stabilized |
|-------------|-------------------|------------------------|----------------|------------|
| UPR<br>COMP | 06/16/95          | 72 hrs                 | 230            | Y          |
| LWR<br>COMP | 06/16/95          | 72 hrs                 | 410            | Y          |

FLOW TEST DATE NO.1

Commenced at (hour,date) \*

| TIME<br>(hour, date) | LAPSED TIME<br>SINCE* | PRESSURE |       | Prod<br>Temp. | REMARKS         |
|----------------------|-----------------------|----------|-------|---------------|-----------------|
|                      |                       | Upper    | Lower |               |                 |
| 06/16/95             | Day 1                 | 222      | 330   |               | Both Zones SI   |
| 06/17/95             | Day 2                 | 225      | 402   |               | Both Zones SI   |
| 06/18/95             | Day 3                 | 228      | 406   |               | Both Zones SI   |
| 06/19/95             | Day 4                 | 230      | 410   |               | Flow Lower Zone |
| 06/20/95             | Day 5                 | 231      | 350   |               | " " "           |
| 06/21/95             | Day 6                 | 232      | 244   |               | " " "           |

Production rate during test

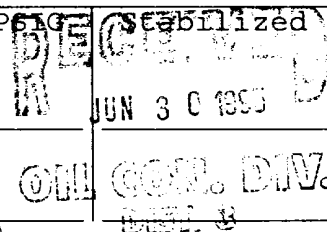
Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ BBLs in \_\_\_\_\_ Hrs \_\_\_\_\_ Grav \_\_\_\_\_ GOR \_\_\_\_\_  
Gas: \_\_\_\_\_ MFCPD: Tested thru (Orifice or Meter): METER \_\_\_\_\_

MID-TEST SHUT-IN PRESSURE DATA

|             | Hour, Date SI | Length of Time SI | SI Press. PSIG | Stabilized (yes/no) |
|-------------|---------------|-------------------|----------------|---------------------|
| UPR<br>COMP |               |                   |                |                     |
| LWR<br>COMP |               |                   |                |                     |

(Continue on reverse side)

MANZANARES - 33 GONZALES



## FLOW TEST NO. 2

| Time (hour, date) ** |                         |                  |                  | Zone producing Upper or Lower |         |
|----------------------|-------------------------|------------------|------------------|-------------------------------|---------|
| TIME<br>(hour, date) | LAPSED TIME<br>SINCE ** | PRESSURE         |                  | PROD. ZONE<br>TEMP.           | REMARKS |
|                      |                         | Upper Completion | Lower Completion |                               |         |
|                      |                         |                  |                  |                               |         |
|                      |                         |                  |                  |                               |         |
|                      |                         |                  |                  |                               |         |
|                      |                         |                  |                  |                               |         |
|                      |                         |                  |                  |                               |         |
|                      |                         |                  |                  |                               |         |

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD: Tested thru (Orifice or Meter): \_\_\_\_\_

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

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved \_\_\_\_\_ 19 \_\_\_\_\_

New Mexico Oil Conservation Division

JUL 03 1995

By \_\_\_\_\_

DEPUTY OIL &amp; GAS INSPECTOR

Title \_\_\_\_\_

Operator \_\_\_\_\_ Amoco Production Company

By \_\_\_\_\_ Sheri Bradshaw

Title \_\_\_\_\_ Field Tech

Date \_\_\_\_\_

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except

that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Axtel District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
811 South First, Artesia, NM 88210

District III  
1000 RioBrazos Rd., Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Engery, Minerals and Natural Resources Department  
**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-104  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|  |  |  |
|--|--|--|
| <sup>1</sup> Operator name and Address<br>CONOCO, INC.<br>10 Desta Drive, Suite 100 West<br>Midland, TX 79705-4500 |  | <sup>2</sup> OGRID Number<br>005073                              |
|  |  | <sup>3</sup> Reason for Filing Code<br>Change of Operator 1/1/98 |
| <sup>4</sup> API Number<br>30-045-07352  | <sup>5</sup> Pool Name<br>BLANCO MESAVERDE | <sup>6</sup> Pool Code<br>72319                                  |
| <sup>7</sup> Property Code   | <sup>8</sup> Property Name<br>STOREY C LS  | <sup>9</sup> Well Number<br>6                                    |

II. <sup>10</sup> Surface Location

|                    |               |                 |              |         |                       |                       |                      |                     |              |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|-----------------------|----------------------|---------------------|--------------|
| UL or lot no.<br>A | Section<br>22 | Township<br>28N | Range<br>09W | Lot.Idn | Feet from the<br>1103 | North/South Line<br>N | Feet from the<br>990 | East/West line<br>E | County<br>SJ |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|-----------------------|----------------------|---------------------|--------------|

<sup>11</sup> Bottom Hole Location

|                             |                                     |                                   |                                   |                                    |                                     |                  |               |                |        |
|-----------------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| UL or lot no.               | Section                             | Township                          | Range                             | Lot.Idn                            | Feet from the                       | North/South Line | Feet from the | East/West line | County |
| <sup>12</sup> Lsc Code<br>F | <sup>13</sup> Producing Method Code | <sup>14</sup> Gas Connection Date | <sup>15</sup> C-129 Permit Number | <sup>16</sup> C-129 Effective Date | <sup>17</sup> C-129 Expiration Date |                  |               |                |        |

III. Oil and Gas Transporters

|                                 |  |                   |                   |  |
|---------------------------------|--|-------------------|-------------------|--|
| <sup>18</sup> Transporter OGRID | <sup>19</sup> Transporter Name and Address | <sup>20</sup> POD | <sup>21</sup> O/G | <sup>22</sup> POD ULSTR Location and Description |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |

IV. Produced Water

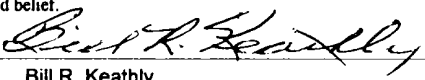
|                   |  |
|-------------------|--|
| <sup>23</sup> POD | <sup>24</sup> POD ULSTR Location and Description |
|-------------------|--|

V. Well Completion Data

|                         |                                      |                         |                            |                           |                         |
|-------------------------|--------------------------------------|-------------------------|----------------------------|---------------------------|-------------------------|
| <sup>25</sup> Spud Date | <sup>26</sup> Ready Date             | <sup>27</sup> TD        | <sup>28</sup> PBTD         | <sup>29</sup> Perforation | <sup>30</sup> DHC,DC,MC |
| <sup>31</sup> Hole Size | <sup>32</sup> Casing and Tubing Size | <sup>33</sup> Depth Set | <sup>34</sup> Sacks Cement |                           |                         |
|                         |                                      |                         |                            |                           |                         |
|                         |                                      |                         |                            |                           |                         |
|                         |                                      |                         |                            |                           |                         |

VI. Well Test Data

|                            |                                 |                         |                           |                             |                             |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| <sup>35</sup> Date New Oil | <sup>36</sup> Gas Delivery Date | <sup>37</sup> Test Date | <sup>38</sup> Test Length | <sup>39</sup> Tbg. Pressure | <sup>40</sup> Csg. Pressure |
| <sup>41</sup> Choke Size   | <sup>42</sup> Oil               | <sup>43</sup> Water     | <sup>44</sup> Gas         | <sup>45</sup> AOF           | <sup>46</sup> Test Method   |

<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.  
Signature: 

Printed Name: Bill R. Keathly

Title: Sr. Regulatory Specialist

Date: January 1, 1998

Phone: (915) 686-5427

OIL CONSERVATION DIVISION

Approved by: Frank T. Chavez

Title: Supervisor District #3

Approval Date:

<sup>48</sup> If this is a change of operator fill in the OGRID number and name of the previous operator

Amoco Production Company OGRID# 000778

Gail Jefferson

Senior Administrative Staff Assistant

1/1/98

Previous Operator Signature

Printed Name

Title

Date

District I  
PO Box 1980, Hobbs, NM 88241-1980

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|  |   | <sup>3</sup> Reason for Filing Code<br>Change of Operator 1/1/98 |
| <sup>4</sup> API Number<br>30-045-07352  | <sup>5</sup> Pool Name<br>AZTEC PICTURED CLIFFS | <sup>6</sup> Pool Code<br>71280                                  |
| <sup>7</sup> Property Code   | <sup>8</sup> Property Name<br>STOREY C LS       | <sup>9</sup> Well Number<br>6                                    |

**II. <sup>10</sup> Surface Location**

|                    |               |                 |              |         |                       |                       |                      |                     |              |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|-----------------------|----------------------|---------------------|--------------|
| UL or lot no.<br>A | Section<br>22 | Township<br>28N | Range<br>09W | Lot.Idn | Feet from the<br>1103 | North/South Line<br>N | Feet from the<br>990 | East/West line<br>E | County<br>SJ |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|-----------------------|----------------------|---------------------|--------------|

**<sup>11</sup> Bottom Hole Location**

|                             |                                     |                                   |                                   |                                    |                                     |                  |               |                |        |
|-----------------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
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|                                 |  |                   |                   |  |
|---------------------------------|--|-------------------|-------------------|--|
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|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |
|                                 |  |                   |                   |  |

**IV. Produced Water**

|                   |  |
|-------------------|--|
| <sup>23</sup> POD | <sup>24</sup> POD ULSTR Location and Description |
|-------------------|--|

**V. Well Completion Data**

|                         |                                      |                         |                            |                           |                         |
|-------------------------|--------------------------------------|-------------------------|----------------------------|---------------------------|-------------------------|
| <sup>25</sup> Spud Date | <sup>26</sup> Ready Date             | <sup>27</sup> TD        | <sup>28</sup> PBSD         | <sup>29</sup> Perforation | <sup>30</sup> DHC,DC,MC |
| <sup>31</sup> Hole Size | <sup>32</sup> Casing and Tubing Size | <sup>33</sup> Depth Set | <sup>34</sup> Sacks Cement |                           |                         |
|                         |                                      |                         |                            |                           |                         |
|                         |                                      |                         |                            |                           |                         |
|                         |                                      |                         |                            |                           |                         |

**VI. Well Test Data**

|                            |                                 |                         |                           |                             |                             |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| <sup>35</sup> Date New Oil | <sup>36</sup> Gas Delivery Date | <sup>37</sup> Test Date | <sup>38</sup> Test Length | <sup>39</sup> Tbg. Pressure | <sup>40</sup> Csg. Pressure |
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|   |   |
|---|---|
| <sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: <i>Bill R. Keathly</i> | <b>OIL CONSERVATION DIVISION</b><br>Approved by: Frank T. Chavez<br>Title: Supervisor District #3<br>Approval Date: |
| Printed Name: Bill R. Keathly<br>Title: Sr. Regulatory Specialist<br>Date: January 1, 1998<br>Phone: (915) 686-5427   |   |

|  |  |                                 |
|--|--|---------------------------------|
| <sup>48</sup> If this is a change of operator fill in the OGRID number and name of the previous operator<br><i>Gail Jefferson</i><br>Previous Operator Signature | Amoco Production Company<br>Gail Jefferson<br>Senior Administrative Staff Assistant<br>Title | OGRID# 000778<br>1/1/98<br>Date |
|--|--|---------------------------------|