

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

|                                  |           |           |                              |                                  |                              |               |  |
|----------------------------------|-----------|-----------|------------------------------|----------------------------------|------------------------------|---------------|--|
| Operator<br>Marathon Oil Company |           |           |                              | Lease<br>W.S. Marshall 6"        |                              | Well<br>No. 4 |  |
| Location<br>of Well              | Unit<br>L | Sec<br>27 | Twp<br>21S                   | Rge<br>37E                       | County<br>Lea                |               |  |
| Name of Reservoir or Pool        |           |           | Type of Prod<br>(Oil or Gas) | Method of Prod<br>Flow, Art Lift | Prod. Medium<br>(Tbg or Csg) | Choke Size    |  |
| Upper<br>Compl                   | Blinebry  |           | Gas                          | Flow                             | Csg.                         | -             |  |
| Lower<br>Compl                   | Drinkard  |           | Oil                          | Flow                             | Tbg.                         | -             |  |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:30 a.m. 3-9-87

|  |                   |                     |                     |
|--|-------------------|---------------------|---------------------|
| Well opened at (hour, date):                             | 9:30 a.m. 3-10-87 | Upper<br>Completion | Lower<br>Completion |
| Indicate by ( X ) the zone producing.....                |                   |                     | XXX                 |
| Pressure at beginning of test.....                       | 400               |                     | 335                 |
| Stabilized? (Yes or No).....                             | Yes               |                     | Yes                 |
| Maximum pressure during test.....                        | 400               |                     | 335                 |
| Minimum pressure during test.....                        | 400               |                     | 50                  |
| Pressure at conclusion of test.....                      | 400               |                     | 50                  |
| Pressure change during test (Maximum minus Minimum)..... | No Change         |                     | 285                 |
| Was pressure change an increase or a decrease?.....      |                   |                     | Decrease            |

Well closed at (hour, date): 9:30 a.m. 3-11-87

Oil Production \_\_\_\_\_ Gas Production \_\_\_\_\_

During Test: 1 bbls; Grav. 40 ; During Test 150 MCF; GOR 150,000

Remarks \_\_\_\_\_

FLOW TEST NO. 2

|  |                   |                     |                     |
|--|-------------------|---------------------|---------------------|
| Well opened at (hour, date):                             | 9:30 a.m. 3-12-87 | Upper<br>Completion | Lower<br>Completion |
| Indicate by ( X ) the zone producing.....                |                   | XXX                 |                     |
| Pressure at beginning of test.....                       | 375               |                     | 320                 |
| Stabilized? (Yes or No).....                             | No                |                     | No                  |
| Maximum pressure during test.....                        | 375               |                     | 325                 |
| Minimum pressure during test.....                        | 85                |                     | 320                 |
| Pressure at conclusion of test.....                      | 85                |                     | 325                 |
| Pressure change during test (Maximum minus Minimum)..... | 290               |                     | 5                   |
| Was pressure change an increase or a decrease?.....      | Decrease          |                     | Increase            |

Well closed at (hour, date): 9:30 a.m. 3-13-87

Oil Production \_\_\_\_\_ Gas Production \_\_\_\_\_

During Test: 0 bbls; Grav. - ; During Test 65 MCF; GOR -

Remarks \_\_\_\_\_

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

Approved **MAR 27 1987** 19  
New Mexico Oil Conservation Commission

Operator Marathon Oil Company  
By *Tom Hallum*

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT 1 SUPERVISOR

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MAR 27 1987  
HCB  
HARRIS OFFICE