

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

|                               |           |            |                               |                                   |                                |               |  |
|-------------------------------|-----------|------------|-------------------------------|-----------------------------------|--------------------------------|---------------|--|
| Operator<br>Shell Oil Company |           |            | Lease<br>Sarkey               |                                   |                                | Well<br>No. 2 |  |
| Location<br>of Well           | Unit<br>K | Sec.<br>23 | 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<br>Size |  |
| Upper<br>Compl Blinebry       |           |            | Gas                           | Flow                              | Csg                            | TA            |  |
| Middle<br>Compl Tubb          |           |            | Oil                           | Flow                              | Tbg                            | 32/64         |  |
| Lower<br>Compl Drinkard       |           |            | Oil                           | Flow                              | Tbg                            | 36/64         |  |

FLOW TEST NO. 1

All zones shut-in (hour, date): 1100 2-15-82  
Well opened at (hour, date): 1100 2-16-82

|   |                     |                      |                     |
|---|---------------------|----------------------|---------------------|
|   | Upper<br>Completion | Middle<br>Completion | Lower<br>Completion |
| Indicate by (X) the zone producing.....             |                     |                      | X                   |
| Pressure at beginning of test.....                  | 314                 | 320                  | 317                 |
| Stabilized? (Yes or No).....                        | Yes                 | Yes                  | Yes                 |
| Maximum pressure during test.....                   | 314                 | 320                  | 317                 |
| Minimum pressure during test.....                   | 297                 | 298                  | 65                  |
| Pressure at conclusion of test.....                 | 297                 | 298                  | 65                  |
| Pressure change during test (Maximum minus Minimum) | 17                  | 22                   | 252                 |
| Was pressure change an increase or a decrease?..... | Decrease            | Decrease             | Decrease            |
| Total Time on<br>Production 24 hours                |                     |                      |                     |
| Well closed at (hour, date): 1100 2-17-82           |                     |                      |                     |
| Oil Production                                      | Gas Production      |                      |                     |
| During Test: 0 bbls; Grav. 0                        | During Test         | MCF; GOR             |                     |

Remarks

FLOW TEST NO. 2

|   |                     |                      |                     |
|---|---------------------|----------------------|---------------------|
|   | Upper<br>Completion | Middle<br>Completion | Lower<br>Completion |
| Well opened at (hour, date): 1100 2-18-82                   |                     |                      |                     |
| Indicate by (X) the zone producing.....                     |                     | X                    |                     |
| Pressure at beginning of test.....                          | 319                 | 323                  | 314                 |
| Stabilized? (Yes or No).....                                | Yes                 | Yes                  | Yes                 |
| Maximum pressure during test.....                           | 319                 | 323                  | 314                 |
| Minimum pressure during test.....                           | 315                 | 62                   | 301                 |
| Pressure at conclusion of test.....                         | 315                 | 62                   | 301                 |
| Pressure change during test (Maximum minus Minimum)         | 4                   | 261                  | 13                  |
| Was pressure change an increase or decrease?.....           | Decrease            | Decrease             | Decrease            |
| Total Time on<br>Production 24 hours                        |                     |                      |                     |
| Well closed at (hour, date): 1100 2-19-82                   |                     |                      |                     |
| Oil Production  | Gas Production      |                      |                     |
| During Test: 14 bbls; Grav. 43 <sup>7</sup> / <sub>60</sub> | During Test         | MCF; GOR             |                     |

Remarks

FLOW TEST NO. 3

|   |                     |                      |                     |
|---|---------------------|----------------------|---------------------|
|   | Upper<br>Completion | Middle<br>Completion | Lower<br>Completion |
| Well opened at (hour, date):                        |                     |                      |                     |
| Indicate by (X) the zone producing.....             |                     |                      |                     |
| Pressure at beginning of test.....                  |                     |                      |                     |
| Stabilized? (Yes or No).....                        |                     |                      |                     |
| Maximum pressure during test.....                   |                     |                      |                     |
| Minimum pressure during test.....                   |                     |                      |                     |
| Pressure at conclusion of test.....                 |                     |                      |                     |
| Pressure change during test (Maximum minus Minimum) |                     |                      |                     |
| Was pressure change an increase or a decrease?..... |                     |                      |                     |
| Total Time on<br>Production                         |                     |                      |                     |
| Well closed at (hour, date):                        |                     |                      |                     |
| Oil Production                                      | Gas Production      |                      |                     |
| During Test: bbls; Grav.                            | During Test         | MCF; GOR             |                     |

Remarks Sarkey #2 Blinebry is TA

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

Approved \_\_\_\_\_ 19  
New Mexico Oil Conservation Commission  
By \_\_\_\_\_  
Title \_\_\_\_\_

Operator Shell Oil Company  
By C. M. Amann  
Title Sect. Supervisor, Oil Accounting  
Date 3-8-82