

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

|                                      |                                                     |           |                                     |                                          |                                      |                     |
|--------------------------------------|-----------------------------------------------------|-----------|-------------------------------------|------------------------------------------|--------------------------------------|---------------------|
| Operator<br>Amoco Production Company |                                                     |           | Lease<br>South Mattix Unit Federal  |                                          | Well<br>No. 36                       |                     |
| Location<br>of Well                  | Unit<br>B                                           | Sec<br>22 | Twp<br>24-S                         | Rge<br>37-E                              | County<br>Lea                        |                     |
|                                      | Name of Reservoir or Pool<br><i>Fowler Upper</i>    |           | Type of Prod<br>(Oil or Gas)<br>Gas | Method of Prod<br>Flow, Art Lift<br>Flow | Prod. Medium<br>(Tbg or Cag)<br>Tbg. | Choke Size<br>48/64 |
| Upper<br>Compl                       |                                                     |           |                                     |                                          |                                      |                     |
| Lower<br>Compl                       | Name of Reservoir or Pool<br><i>Fowler Drinkard</i> |           | Type of Prod<br>(Oil or Gas)<br>Oil | Method of Prod<br>Flow, Art Lift<br>Pump | Prod. Medium<br>(Tbg or Cag)<br>Tbg. | Choke Size<br>---   |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:00 a.m. 5-11-80

Well opened at (hour, date): 9:00 a.m. 5-12-80

|                                                                                     | Upper<br>Completion | Lower<br>Completion |
|-------------------------------------------------------------------------------------|---------------------|---------------------|
| Indicate by ( X ) the zone producing.....                                           | X                   |                     |
| Pressure at beginning of test.....                                                  | 825                 | 50                  |
| Stabilized? (Yes or No).....                                                        | Yes                 | Yes                 |
| Maximum pressure during test.....                                                   | 200                 | 50                  |
| Minimum pressure during test.....                                                   | 100                 | 50                  |
| Pressure at conclusion of test.....                                                 | 100                 | 50                  |
| Pressure change during test (Maximum minus Minimum).....                            | 100                 | 0                   |
| Was pressure change an increase or a decrease?.....                                 | Decrease            | No change           |
| Total Time On<br>Well closed at (hour, date): 9:00 a.m. 5-13-80 Production 24 hours |                     |                     |
| Oil Production Gas Production                                                       |                     |                     |
| During Test: 0 bbls; Grav. ---; During Test 84 MCF; GOR ---                         |                     |                     |
| Remarks No leak indicated                                                           |                     |                     |

FLOW TEST NO. 2

Well opened at (hour, date): 12:00 noon 5-14-80

|                                                                                      | Upper<br>Completion | Lower<br>Completion |
|--------------------------------------------------------------------------------------|---------------------|---------------------|
| Indicate by ( X ) the zone producing.....                                            |                     | X                   |
| Pressure at beginning of test.....                                                   | 840                 | 50                  |
| Stabilized? (Yes or No).....                                                         | Yes                 | Yes                 |
| Maximum pressure during test.....                                                    | 850                 | 200                 |
| Minimum pressure during test.....                                                    | 840                 | 20                  |
| Pressure at conclusion of test.....                                                  | 850                 | 20                  |
| Pressure change during test (Maximum minus Minimum).....                             | 10                  | 180                 |
| Was pressure change an increase or a decrease?.....                                  | Increase            | Decrease            |
| Total time on<br>Well closed at (hour, date): 10:00 a.m. 5-15-80 Production 22 hours |                     |                     |
| Oil Production Gas Production                                                        |                     |                     |
| During Test: 10 bbls; Grav. ---; During Test TSTM MCF; GOR ---                       |                     |                     |
| Remarks No leak indicated                                                            |                     |                     |

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

Approved JUN 27 1980 19 Amoco Production Company  
New Mexico Oil Conservation Commission By Dennis Evans  
Orig. Signed By Jerry Sexton  
By Dick L. Supp Title Admin. Analyst  
Date 6-25-80