

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

|                                        |                            |           |                              |                                  |                              |            |
|----------------------------------------|----------------------------|-----------|------------------------------|----------------------------------|------------------------------|------------|
| Operator<br>Sinclair Oil & Gas Company |                            |           | Lease<br>Steeler WN          |                                  | Well<br>No. 2                |            |
| Location<br>of Well                    | Unit<br>M                  | Sec<br>19 | Twp<br>23 S                  | Rge<br>37 E                      | 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                         | Jalmat - Yates             |           | Gas                          | Flow                             | Csg                          | 1"         |
| Lower<br>Compl                         | Langlie Mattix - SR, Queen |           | Oil                          | Flow                             | Tbg                          | Shut-in    |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 11:00 AM 3-9-64

|                                                          |                                     |                     |
|----------------------------------------------------------|-------------------------------------|---------------------|
| Well opened at (hour, date): 9:30 AM 3-10-64             | Upper<br>Completion                 | Lower<br>Completion |
| Indicate by ( X ) the zone producing.....                | X                                   |                     |
| Pressure at beginning of test.....                       | 560                                 | 0                   |
| Stabilized? (Yes or No).....                             | Yes                                 | Yes                 |
| Maximum pressure during test.....                        | 400                                 | 0                   |
| Minimum pressure during test.....                        | 320                                 | 0                   |
| Pressure at conclusion of test.....                      | 320                                 | 0                   |
| Pressure change during test (Maximum minus Minimum)..... | 80                                  | 0                   |
| Was pressure change an increase or a decrease?.....      | Decrease                            | No change           |
| Well closed at (hour, date): 9:30 AM 3-11-64             | Total Time On<br>Production 24 hrs. |                     |
| Oil Production                                           | Gas Production                      |                     |
| During Test: 0 bbls; Grav. -                             | During Test 92.0 MCF; GOR -         |                     |

Remarks Test results indicate that the packer is separating the two zones properly.

FLOW TEST NO. 2

Well opened at (hour, date): Left well shut-in. This zone will not produce.

|                                                          |                             |                     |
|----------------------------------------------------------|-----------------------------|---------------------|
| Indicate by ( X ) the zone producing.....                | Upper<br>Completion         | Lower<br>Completion |
| Pressure at beginning of test.....                       | 570                         | 0                   |
| Stabilized? (Yes or No).....                             | Yes                         | Yes                 |
| Maximum pressure during test.....                        | 570                         | 0                   |
| Minimum pressure during test.....                        | 570                         | 0                   |
| Pressure at conclusion of test.....                      | 570                         | 0                   |
| Pressure change during test (Maximum minus Minimum)..... | No change                   | No change           |
| Was pressure change an increase or a decrease?.....      | -                           | -                   |
| Well closed at (hour, date): Left shut-in                | Total time on<br>Production |                     |
| Oil Production                                           | Gas Production              |                     |
| During Test: 0 bbls; Grav. -                             | During Test -               | MCF; GOR -          |

Remarks Test results indicate that the packer is separating the two zones properly.

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

Approved  
New Mexico Oil Conservation Commission

Operator Sinclair Oil & Gas Company  
By Fred Burns  
District Superintendent

By

HOBBS OFFICE O. C. C.  
MAR 19 10 25 AM '64