

|                                   |                  |                              |                                  |                                  |                      |                      |
|-----------------------------------|------------------|------------------------------|----------------------------------|----------------------------------|----------------------|----------------------|
| Operator<br><b>MESA PETROLEUM</b> |                  |                              |                                  | Lease<br><b>RED HILLS FED. #</b> |                      | Well<br>No. <b>1</b> |
| Location<br>of Well               | Unit<br><b>A</b> | Sec<br><b>6</b>              | Twp<br><b>26</b>                 | Rge<br><b>33</b>                 | County<br><b>LEA</b> |                      |
| Name of Reservoir or Pool         |                  | Type of Prod<br>(Oil or Gas) | Method of Prod<br>Flow, Art Lift | Prod. Medium<br>(Tbg or Cag)     | Choke Size           |                      |
| Upper<br>Compl                    | <b>WOLFCAMP</b>  |                              | <b>GAS</b>                       | <b>FLOW</b>                      | <b>TBG.</b>          | <b>5/64</b>          |
| Lower<br>Compl                    | <b>ATOKA</b>     |                              | <b>GAS</b>                       | <b>FLOW</b>                      | <b>TBG.</b>          | <b>7/64</b>          |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:00 A.M. NOVEMBER 13, 1978 **ATOKA**

Well opened at (hour, date): 10:00 A.M. NOVEMBER 14, 1978

|                                                          |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|
|                                                          | Upper<br>Completion | Lower<br>Completion |
| Indicate by ( X ) the zone producing.....                |                     | <b>X</b>            |
| Pressure at beginning of test.....                       | <b>495</b>          | <b>435</b>          |
| Stabilized? (Yes or No).....                             | <b>YES</b>          | <b>YES</b>          |
| Maximum pressure during test.....                        | <b>1285</b>         | <b>2205</b>         |
| Minimum pressure during test.....                        | <b>1300</b>         | <b>430</b>          |
| Pressure at conclusion of test.....                      | <b>1300</b>         | <b>430</b>          |
| Pressure change during test (Maximum minus Minimum)..... | <b>15</b>           | <b>1775</b>         |
| Was pressure change an increase or a decrease?.....      | <b>INCREASE</b>     | <b>DECREASE</b>     |

Well closed at (hour, date): 10:00 A.M. NOVEMBER 15, 1978

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

During Test: \_\_\_\_\_ bbls; Grav. \_\_\_\_\_; During Test **150** MCF; GOR **150**

Remarks WELL CONNECTED TO COMPRESSOR TO HELP IT BUCK LINE PRESSURE ( 700 ).

FLOW TEST NO. 2

Well opened at (hour, date): 10:00 A.M. NOVEMBER 16, 1978 **WOLFCAMP**

Indicate by ( X ) the zone producing..... **X**

|                                                          |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|
|                                                          | Upper<br>Completion | Lower<br>Completion |
| Pressure at beginning of test.....                       | <b>1325</b>         | <b>2240</b>         |
| Stabilized? (Yes or No).....                             | <b>YES</b>          | <b>YES</b>          |
| Maximum pressure during test.....                        | <b>1325</b>         | <b>2420</b>         |
| Minimum pressure during test.....                        | <b>720</b>          | <b>2240</b>         |
| Pressure at conclusion of test.....                      | <b>720</b>          | <b>2420</b>         |
| Pressure change during test (Maximum minus Minimum)..... | <b>605</b>          | <b>180</b>          |
| Was pressure change an increase or a decrease?.....      | <b>DECREASE</b>     | <b>INCREASE</b>     |

Well closed at (hour, date): 10:00 A.M. NOVEMBER 17, 1978

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

During Test: **8** bbls; Grav. **60.5**; During Test **650** MCF; GOR **81250**

Remarks IT WAS'T NECESSARY TO RUN COMPRESSOR FOR FLOW

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

Orig. Signed **by**  
**Jerry Sexton**  
 Dist. 1. Supv.

Operator **MESA PETROLEUM CO.**

By **John R. Davis**  
**JOHN R. DAVIS- DAVIS SERVICES, INC.**  
 Title **WELL TESTER**

Date **NOVEMBER 17, 1978**

4. A packer leakage test shall be conducted on each multiple completion well within seven days after actual completion of the well, and immediately thereafter as prescribed by the order authorizing the multiple completion. Such tests shall be conducted on all multiple completions within seven days following completion and shall be run for a minimum of 72 hours, and shall be run for a longer period if the packer or the tubing have been damaged. Tests shall also be run at any time that completion is suspected or when required by the Commission.

5. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Commission in writing of the test time the test is to be conducted. Offset operators shall also be notified.

6. 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 wellhead pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 24 hours.

7. 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 until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

8. Following completion of Flow Test No. 1, the well shall remain shut-in, in accordance with paragraph 3 above.

9. Flow Test No. 2 shall be conducted even though no test was conducted during Flow Test No. 1. Therefore for Flow Test No. 2, the well shall be shut-in for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

10. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with a deadweight tester at least twice, once at the beginning and once at the end of each flow test.

11. 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 appropriate District Office of the New Mexico Oil Conservation Commission in Southeast New Mexico Packer Leakage Test Form Revised June 58, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, indicating thereon all pressure changes which may be reflected by the gauge dials on well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. In a C-116 shall also show any the packer leakage test time when the test period coincides with a gas-oil ratio test period.

