

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Socony Mobil Oil Company, Inc.				Lease Brunson Arge		Well No. 1	
Location of Well	Unit B	Sec 9	Twp 22	Rge 37	County Isip		
Name of Reservoir or Pool			Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)	Choke Size	
Upper Compl	Blinberry		Oil	Flow	Casing	2 1/2	
Lower Compl	Tubb		Oil	Flow	Tubing	20/64	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:15 AM 3/22/61

Well opened at (hour, date): 9:15 AM 3/23/61

	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		
Pressure at beginning of test.....	1626	1783
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	1626	1783
Minimum pressure during test.....	1626	100
Pressure at conclusion of test.....	1626	100
Pressure change during test (Maximum minus Minimum).....	None	1683
Was pressure change an increase or a decrease?.....		Decrease
Well closed at (hour, date): 2 P. M. 3-23-61	Total Time On Production 4 Hrs	
Oil Production During Test: 32 bbls; Grav. 40.1	Gas Production During Test 133 MCF; GOR 3800	
Remarks Produced 3 HW		

FLOW TEST NO. 2

Well opened at (hour, date): 9:15 AM. 3/25/61	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		
Pressure at beginning of test.....	1630	1766
Stabilized? (Yes or No).....	Yes	No
Maximum pressure during test.....	1630	1802
Minimum pressure during test.....	710	1766
Pressure at conclusion of test.....	710	1802
Pressure change during test (Maximum minus Minimum).....	920	36
Was pressure change an increase or a decrease?.....	Decrease	Increase
Well closed at (hour, date): 9:15 P.M. 3/25/61	Total time on Production 4 1/2 Hrs	
Oil Production During Test: 15 bbls; Grav. 74.8	Gas Production During Test 217 MCF; GOR 14,467	
Remarks		

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 Socony Mobil Oil Company, Inc.

By John M. Pierce

Title Production Assistant

Date April 5, 1961

# SOUTHEAST NEW MEXICO OIL AND GAS LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiple completion well within seven days after actual completion of the well and annually thereafter as prescribed by the order authorizing the well's completion. Tests shall also be commenced on all multiple completions within seven days following recompletion and on chemical or other area agent and when remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time when a leak is suspected or when requested by the Commission.

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

3. The packer leakage test shall commence when all zones are at least 24 hours shut-in for pressure stabilization. Shut-in time shall be at least 24 hours until the well-head pressure in each has stabilized. A minimum of two hours thereafter, provided however, that the shut-in period shall be more than 24 hours.

4. For Flow Test No. 1, one zone of the dual completion well shall be shut-in at the normal rate of production while the other zone produces at the normal rate of production until the flowing well-head pressure has been stabilized and for a minimum of two hours thereafter. The test shall then be continued until the flowing well-head pressure has been stabilized and for a minimum of two hours thereafter. The test shall then be continued until the flowing well-head pressure has been stabilized and for a minimum of two hours thereafter. The test shall then be continued until the flowing well-head pressure has been stabilized and for a minimum of two hours thereafter.

5. Following completion of Flow Test No. 1, the well shall again be shut-in for a minimum of 24 hours.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in and the previously shut-in zone is produced.

7. Pressure shall be continuously monitored throughout the entire test. The accuracy of the pressure gauge shall be checked with a deadweight tester at least twice, once at the beginning and once at the end of each flow test.

8. The results of the above-described tests shall be filed in triplicate within 15 days of completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Commission, Southwestern District, Packer Leakage Test Form Revised 11-1-56. In addition to the original test record, the operator shall file with all the deadweight pressure test charts a copy of the pressure versus time chart. In lieu of filing the above charts, the operator may construct a pressure versus time chart for each zone, indicating thereon all pressure versus time data as reflected by the gauge charts as well as all deadweight pressure test charts which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's files. The operator shall also accompany the Packer Leakage Test Form with the test record card with a gas-oil ratio test period.

