

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHERN NEW MEXICO PACKER LEAKAGE TEST

Operator Gulf Oil Corporation				Lease Eunice King		Well No. 25	
Location of Well	Unit D	Sec 28	Twp 21S	Rge 37E	County Lea		
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	Paddock		Oil	Pump	Tbg.	2" WO	
Lower Compl	Blinebry		Oil	Pump	Tbg.	2" WO	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 3:30 a.m., 2-2-76

Well opened at (hour, date): 3:30 a.m., 2-3-76	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	190	20
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	190	30
Minimum pressure during test.....	46	20
Pressure at conclusion of test.....	46	30
Pressure change during test (Maximum minus Minimum).....	149	10
Was pressure change an increase or a decrease?.....	Decr.	Incr.
Well closed at (hour, date): 8:30 a.m., 2-4-76	Total Time On Production	24 hrs
Oil Production	Gas Production	
During Test: 16 bbls; Grav. 35.0	During Test: 38.0	MCF; GOR 2375
Remarks		

FLOW TEST NO. 2

Well opened at (hour, date): 8:30 a.m., 2-5-76	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	190	30
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	190	40
Minimum pressure during test.....	180	30
Pressure at conclusion of test.....	180	40
Pressure change during test (Maximum minus Minimum).....	10	10
Was pressure change an increase or a decrease?.....	Decr.	Incr.
Well closed at (hour, date): 8:30 a.m., 2-6-76	Total time on Production	24 hrs
Oil Production	Gas Production	
During Test: 2 bbls; Grav. 39.0	During Test: 49.0	MCF; GOR 24,500
Remarks		

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 Gulf Oil Corporation

Original Signed By

By N. G. Hallmark

N. G. Hallmark

Title Well Tester

Date 2-20-76

COPIES TO BE SUBMITTED TO THE FOLLOWING OFFICES:

1. A leak test shall be conducted on each multiphase completion well which has a horizontal section and the well and reservoir completion shall be subjected to the multiple completion leak test. The well shall be shut in after the completion is installed and depressured to a minimum of 100 psi below the reservoir pressure. The well shall be shut in for a minimum of 24 hours before the leak test is conducted. The leak test shall be conducted at a pressure which is 100 psi above the tubing head pressure. Data shall also be taken at any time that gas liberation is observed in the gas requested by the completion.
2. At least 72 hours prior to the beginning of any pressure leakage test, the operator shall notify the Commission in writing of the exact time the test is to be conducted. Oiler operation shall also be so notified.
3. 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 well has pressure in each leg stabilized at or below a minimum of 100 psi differential, provided however, that they need not remain shut-in more than 24 hours.
4. 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.
5. Flow test No. 2 shall be conducted even though no leak is indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to shut the zones for 100 psi but not, except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.
6. 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 during the beginning and once at the end of each flow test.
7. 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 on Southeast New Mexico Packer Leakage Test Form Revised 11-1-58, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated the same. 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 charts as 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. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.

2. At least 72 hours prior to the convening of any precise linkage test, the operator shall notify the Commission in writing of the exact time the test is to be conducted. Offset operators shall also be so notified.

3. The polymer begins to melt and coalesce when both zones of the dual complexion are shut in for pressure stabilization. Both zones should remain shut-in until the well has produced in each a stabilized oil for a minimum of two to four quarters, provided however, that they need not remain shut-in more than 24 hours.

4. For the first test run, the zone of the drill 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. provided.

5. Following completion of Flow Test No. 1, the well shall again be shut in, in accordance with Paragraph 3 above.

6. Flow Test. A flow test shall be conducted even though no leak is indicated during Step 5. 5.1. Procedure for Flow Test is 2.4 in the specification for Flow Test but not except that the previously provided flow test shall be conducted in accordance with the previously stated procedure.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gages; the accuracy of which must be checked with a deadweight tester at least triweekly 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 after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Land Conservation Commission on Southeast New Mexico Barker Leakage Test Form Revised 11-1-59, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated the cause. 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 charts as 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. Form C-116 shall also accompany the Barker Leakage Test form when the test period coincides with a gas-oil ratio test period.



