

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Gulf Oil Corporation			Lease H. T. Mattern (NCT-3)			Well No. 5	
Location of Well	Unit I	Sec 12	Twp 21	Rge 37	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	Elm. Dry		Oil	Flow	Tbg.	-	
Lower Compl	Drinkard		Oil	Flow	Tbg.	-	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): **11:15 A.M. 3-22-76**

	Upper Completion	Lower Completion
Well opened at (hour, date):	11:15 A.M. 3-23-76	
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	575	355
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	575	375
Minimum pressure during test.....	250	355
Pressure at conclusion of test.....	250	375
Pressure change during test (Maximum minus Minimum).....	-323	+20
Was pressure change an increase or a decrease?.....	decr.	incr.
Well closed at (hour, date):	11:15 A.M. 3-24-76	Total Time On Production 2 1/2 hrs.
Oil Production During Test: 16 bbls; Grav. 37.7 ;	Gas Production During Test 926.0 MCF; GOR 57,375	
Remarks _____		

FLOW TEST NO. 2

	Upper Completion	Lower Completion
Well opened at (hour, date):	11:15 A.M. 3-25-76	
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	590	380
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	630	380
Minimum pressure during test.....	590	40
Pressure at conclusion of test.....	630	40
Pressure change during test (Maximum minus Minimum).....	+40	-340
Was pressure change an increase or a decrease?.....	incr.	decr.
Well closed at (hour, date):	11:15 A.M. 3-27-76	Total time on Production 2 1/2 hrs.
Oil Production During Test: * bbls; Grav. _____ ;	Gas Production During Test _____ MCF; GOR _____	
Remarks * Drinkard Oil did not flow - no swabbing unit available.		

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 _____
Orig Signed by _____
Surrey Sexton
Dist 1, Supv.

Operator **Gulf Oil Corporation**
By **Original signed by H. G. Hallmark**

Title **Well Tester**
Date **April 5, 1976**

SOPHIA AND MARIO PACKER LEAF - VERY INSTRUCTIVE

1. A packer leakage test shall be commenced at each wellbore location and will continue 24 hours after initial completion of the well, and annually thereafter, as prescribed by the order authorizing the multiple completion. Such test shall also be commenced on all wellbore completions within 24 hours following the completion of the drilling of each treatment, and shall enter into effect on the first day of production when the period of the testing has been distributed. Tests shall also be taken at any time that communication is requested 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 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-head 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.
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 well-head 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. Following completion of Flow Test No. 3, the well shall again be shut-in, in accordance with Paragraph 3 above.

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 shall be the same as for Flow Test No. 1, except that the pressure is produced by a gas-oil ratio that is within the previously established gas-oil production ratio.
7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the pressure 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.
8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the tests. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Commission, or Southeast New Mexico Packer Leakage Test Form Revision 11-1-60, 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 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.

RECEIVED
JUL 1975
INFORMATION COMM.