

This form is not to be used for reporting packer leakage tests in Northwest New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

OCT 5

1964

Operator Gulf Oil Corporation			Lease Arnett-Ramsay "D"			Well No. 9	
Location of Well	Unit L	Sec 22 33	Twp 21S	Rge 36E	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	Jalnet		Oil	Flow	Tbg.	50/64"	
Lower Compl	South Dunice		Oil	Pump	Tbg.	2" WO	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:45 a.m., 9-28-64

Well opened at (hour, date): 9:45 a.m., 9-29-64

Indicate by (X) the zone producing.....	Upper Completion	Lower Completion
		X
Pressure at beginning of test.....	<u>500</u>	<u>200</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>511</u>	<u>200</u>
Minimum pressure during test.....	<u>500</u>	<u>20</u>
Pressure at conclusion of test.....	<u>511</u>	<u>34</u>
Pressure change during test (Maximum minus Minimum).....	<u>11</u>	<u>180</u>
Was pressure change an increase or a decrease?.....	<u>Incr.</u>	<u>Decr.</u>

Well closed at (hour, date): 9:45 a.m., 9-30-64 Total Time On Production 24 hrs

Oil Production During Test: 5 bbls; Grav. 38.1; Gas Production During Test: 190.0 MCF; GOR 38,000

Remarks _____

FLOW TEST NO. 2

Well opened at (hour, date): 9:45 a.m., 10-1-64

Indicate by (X) the zone producing.....	Upper Completion	Lower Completion
	X	
Pressure at beginning of test.....	<u>520</u>	<u>205</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>520</u>	<u>211</u>
Minimum pressure during test.....	<u>77</u>	<u>205</u>
Pressure at conclusion of test.....	<u>77</u>	<u>211</u>
Pressure change during test (Maximum minus Minimum).....	<u>443</u>	<u>6</u>
Was pressure change an increase or a decrease?.....	<u>Decr.</u>	<u>Incr.</u>

Well closed at (hour, date): 9:45 a.m., 10-2-64 Total time on Production 24 hrs

Oil Production During Test: 3 bbls; Grav. 37.8; Gas Production During Test: 561.0 MCF; GOR 187,000

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

Operator Gulf Oil Corporation
By J. W. Davis
Title Well Tester
Date 10-5-64

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as provided herein, except during the multiple completion. Such tests shall be conducted on all multiple completions within seven days following completion and/or chemical or fracture treatment, and whenever 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 that communication is suspected, 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, the 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 conducted until the flowing zone pressure has become stabilized and for a minimum of 12 hours thereafter, provided however, that the flow shall not continue for more than 24 hours.

5. Following completion of the test, the well shall again be shut-in for pressure stabilization.
6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. 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 until the shut-in zone is produced.
7. All packer leakage tests shall be continuously read by pressure gauges, the accuracy of which must be determined by a master tester at least twice, once at the beginning and once at the end of the flow test.
8. The results of all packer leakage tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate office of the New Mexico Oil Conservation Commission on Form No. 1, Packer Leakage Test Form Revised 11-6-58, together with the original and a duplicate of recording gauge charts with all the leadwires, pressure gauges, and indicators thereon. In lieu of filing the original recording gauge charts, the operator may construct a pressure versus time curve on a separate sheet of paper showing thereon all pressure changes and gauge readings as well as all deadweight pressure measurements. If the pressure curve is substituted, it shall be filed in the operator's files and a duplicate shall be filed in the Commission's files. The Packer Leakage Test Form shall be filed in the Commission's files during the test period.

The form consists of a large grid of graph paper, divided into four main quadrants by a vertical line and a horizontal line. Each quadrant contains a grid of small squares, suitable for plotting pressure versus time data. The grid is intended for recording the results of packer leakage tests as described in the instructions above.