

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator <b>Atlantic Richfield Company</b>			Lease <b>Langlie #1 Federal</b>			Well No. <b>1</b>	
Location of Well	Unit <b>II</b>	Sec <b>14</b>	Twp <b>25-N</b>	Rge <b>37-E</b>	County <b>Lea</b>		
	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	<b>Stimultry</b>		<b>Oil</b>	<b>Art. Lift</b>	<b>Tbg.</b>		
Lower Compl	<b>Tubb Brinkard</b>		<b>Oil</b>	<b>Art. Lift</b>	<b>Tbg.</b>		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 6:30 a.m. 3-15-67

Well opened at (hour, date): 6:30 a.m. 3-16-67

	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>241</u>	<u>25</u>
Stabilized? (Yes or No).....	<u>No</u>	<u>No</u>
Maximum pressure during test.....	<u>241</u>	<u>25</u>
Minimum pressure during test.....	<u>61</u>	<u>19</u>
Pressure at conclusion of test.....	<u>61</u>	<u>19</u>
Pressure change during test (Maximum minus Minimum).....	<u>- 400</u>	<u>- 6</u>
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	<u>Decrease</u>
Well closed at (hour, date): <u>6:30 a.m. 3-17-67</u>	Total Time On Production <u>24 hours</u>	
Oil Production During Test: <u>22</u> bbls; Grav. <u>37°</u>	Gas Production During Test <u>107</u> MCF; GOR <u>2050</u>	

Remarks \_\_\_\_\_

FLOW TEST NO. 2

Well opened at (hour, date): 6:30 a.m. 3-18-67

	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>296</u>	<u>20</u>
Stabilized? (Yes or No).....	<u>No</u>	<u>No</u>
Maximum pressure during test.....	<u>636</u>	<u>70</u>
Minimum pressure during test.....	<u>596</u>	<u>20</u>
Pressure at conclusion of test.....	<u>636</u>	<u>70</u>
Pressure change during test (Maximum minus Minimum).....	<u>+ 80</u>	<u>+ 90</u>
Was pressure change an increase or a decrease?.....	<u>Increase</u>	<u>Increase</u>
Well closed at (hour, date): <u>6:30 a.m. 3-19-67</u>	Total time on Production <u>24 hours</u>	
Oil Production During Test: <u>5</u> bbls; Grav. <u>37°</u>	Gas Production During Test <u>734</u> MCF; GOR <u>None</u>	

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 **Atlantic Richfield Company**

By A. D. Kline

Title **District Engr. & Prod. Supt.**

Date 3-23-67

# SOUTHEAST NEW MEXICO PACKER

1. A packer leakage test shall be commenced within 30 days after completion of a well within seven days after actual completion. The test shall be conducted thereafter as prescribed by the order of the Commission. Such tests shall also be commenced on all wells within 30 days following recompletion and/or completion of a well. If remedial work has been done on a well, the test shall be commenced within 30 days after the work has been completed. Tests shall be commenced if any communication is suspected or when requested by the Commission.
2. At least 72 hours prior to the commencement of a packer leakage test, the operator shall notify the Commission in writing. The test is to be commenced. Offset operators shall also be notified.
3. The packer leakage test shall commence with the well shut-in for pressure stabilization. The well shall be shut-in until the well-head pressure in each zone has stabilized for a minimum of two hours thereafter, provided the well is shut-in more than 24 hours.
4. For Flow Test No. 1, one zone of the well shall be opened at the normal rate of production while the other zones remain shut-in. The test shall be continued until the flow has stabilized and for a minimum of two hours thereafter. The test need not continue for more than 24 hours.

For Flow Test No. 1, the well shall again be shut-in for a minimum of 24 hours after the test is completed.

If a packer leakage test is conducted even though no leak was indicated, the 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 zone is produced.

Throughout the entire test, shall be continuously recorded and recorded with recording pressure gauges, the accuracy of which shall be checked by a leadweight tester at least twice, once at the beginning and once at the end of each flow test.

The above-described tests shall be filed in triplicate with the Commission of the test. Tests shall be filed with the Commission of the New Mexico Oil Conservation Commission. The New Mexico Packer Leakage Test Form Revised 11-1-58, shall be used and original pressure recording charts with all the data taken shall be taken indicated thereon. In lieu of original charts, the operator may construct a pressure versus time curve for each test indicating thereon all pressure gauges which were required by the gauge charts as well as all dead-end gauges which were taken. If the pressure curve is submitted to the Commission, it shall be permanently filed in the operator's file. The operator shall accompany the Packer Leakage Test Form with the test results and a gas-oil ratio test period.

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HOBBS OFFICE O.C.C.