

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Shell Oil Company			Lease Rindge			Office OCC		Well No. 1
Location of Well	Unit F	Sec 4	Twp 22S	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	Blinebry		Gas	Flow	Casing		18/64"	
Lower Compl	Drinkard		Oil	Flow	Tubing		24/64"	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 12:30 PM, 3-29-62

Well opened at (hour, date): 3:30 PM, 3-30-62

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>769</u>	<u>703</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>808</u>	<u>703</u>
Minimum pressure during test.....	<u>769</u>	<u>20</u>
Pressure at conclusion of test.....	<u>808</u>	<u>20</u>
Pressure change during test (Maximum minus Minimum).....	<u>39</u>	<u>683</u>
Was pressure change an increase or a decrease?.....	<u>Increase</u>	<u>Decrease</u>
Well closed at (hour, date): <u>7:00 AM, 4-3-62</u>	Total Time On Production	<u>16 hours</u>
Oil Production	Gas Production	
During Test: <u>2</u> bbls; Grav. <u>37.8° API</u> ;	During Test <u>25.5</u> MCF; GOR	<u>12,750</u>

Remarks Drinkard will flow 45 minutes then is dead.

FLOW TEST NO. 2

Well opened at (hour, date): 7:30 AM, 4-1-62

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>861</u>	<u>706</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>861</u>	<u>760</u>
Minimum pressure during test.....	<u>612</u>	<u>706</u>
Pressure at conclusion of test.....	<u>612</u>	<u>760</u>
Pressure change during test (Maximum minus Minimum).....	<u>249</u>	<u>54</u>
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	<u>Increase</u>
Well closed at (hour, date) <u>7:30 AM, 4-2-62</u>	Total time on Production	<u>24 hours</u>
Oil Production	Gas Production	
During Test: <u>33</u> bbls; Grav. <u>41.9° API</u> ;	During Test <u>677.6</u> MCF; GOR	<u>20,533</u>

Remarks Well was loaded up with water and flowed fluid during test.

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 Shell Oil Company
By S. B. Deal
Title Division Production Superintendent
Date April 17, 1962

NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. Flow test shall be commenced on each multiple completion well after actual completion of the well, and approval of the order authorizing the multiple completion shall be received from the Commission within seven days of actual completion and/or chemical or fracture treatment, and when necessary, shall be done on a well during which the packer or the wellbore has been disturbed. Tests shall also be taken at any time that one zone is shut-in 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 conducted. Offset operators shall also be so notified.

3. The flow test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the wellhead pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in for more than 24 hours.

4. The zone of the dual completion shall be produced sequentially while the other zone remains shut-in. Both zones shall be shut-in until the flowing wellhead pressure has become stabilized for a minimum of two hours thereafter, provided however that the test shall not continue for more than 24 hours.

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

6. Flow Test No. 2 shall be conducted over a zone which was shut-in during Flow Test No. 1. Procedure for Flow Test No. 2 shall be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the readings of which must be checked with a deadweight tester at least twice during the beginning and once at the end, of each flow test.

8. The results of the above-described tests shall be reported to the Commission within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Department of Conservation, Southeast New Mexico Packer Leakage Test Form Revision 10-63, together with the original pressure recording gauge charts and the deadweight pressures which were taken indicated thereon. In addition, while the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, indicating the original deadweight pressures which may be reflected by the gauge charts as well as the deadweight pressure readings which were taken. If the pressure charts are filed, the original chart must be permanently filed with the District Office. Form C-116 shall also accompany the pressure charts when the test period coincides with a gas-well production test.

