

Operator SOUTHLAND ROYALTY COMPANY Lease Reid Well No. 19
Location of Well: Unit B Sec. 18 Twp. 28 Rge. 09 County San Juan

Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Top. or Cag.)
Upper Completion <u>Blanco Mesaverde</u>	<u>Gas</u>	<u>Flow</u>	<u>Casing</u>
Lower Completion <u>Basin Dakota</u>	<u>Gas</u>	<u>Flow</u>	<u>Tubing</u>

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl.	Hour, date	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	<u>Shut-in 9-26-83</u>	<u>72 Hrs.</u>	<u>C. 580</u>	
Lower Compl.	Hour, date	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	<u>Shut-in 9-26-83</u>	<u>72 Hrs.</u>	<u>T. 580</u>	

FLOW TEST NO. 1

Commenced at (hour, date)* <u>9-29-83</u>				Zone producing (Upper Lower): <u>Lower</u>	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
<u>9-27-83</u>		<u>C. 560</u>	<u>T. 559</u>		
<u>9-28-83</u>		<u>C. 571</u>	<u>T. 569</u>		
<u>9-29-83</u>		<u>C. 580</u>	<u>T. 580</u>		
<u>9-30-83</u>	<u>24 Hrs.</u>	<u>C. 397</u>	<u>T. 325</u>		
<u>10-01-83</u>	<u>48 Hrs.</u>	<u>C. 359</u>	<u>T. 284</u>		

Production rate during test

Oil: BOPD based on Bbls. in Hrs. Grav. GOR
Gas: MCFPD; Tested thru (Orifice or Meter):

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl.	Hour, date	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	<u>Shut-in</u>	<u> </u>	<u> </u>	
Lower Compl.	Hour, date	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	<u>Shut-in</u>	<u> </u>	<u> </u>	

FLOW TEST NO. 2

Commenced at (hour, date)** <u> </u>				Zone producing (Upper or Lower): <u> </u>	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		

Production rate during test

Oil: BOPD based on Bbls. in Hrs. Grav. GOR
Gas: MCFPD; Tested thru (Orifice or Meter):

REMARKS: Directed to Retest 10-28

Open Flow Retest AFTER W.O. O.K. OK

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved: Packer Leak 19
Oil Conservation Division

By

Title

Operator SOUTHLAND ROYALTY COMPANY

By James W. Smith

Title District Field Foreman

Date OCT 13 1983

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. Packer leakage test shall be commenced on each multiply completed well within 15 days after actual completion of the well, and annually thereafter, as required by the order authorizing the multiple completion. The test shall also be commenced on all multiple completions within 15 days of the following completion and/or chemical or fracture treatment, and/or remedial work has been done on a well during which the packer leakage test is required. Tests shall also be taken at any time when packer leakage is suspected or when requested by the Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the well shall be notified in writing of the exact time the test is to be conducted. Offset operators shall also be so notified.

3. 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 well-head pressure in each has stabilized, provided that the shut-in does not remain shut-in more than seven days.

4. In a dual test No. 1, one zone of the dual completion shall be produced from the well at a rate of production while the other zone remains shut-in. Production shall be continued for seven days in the case of a gas well and for 14 days in the case of an oil well. Note: If, on an initial packer leakage test, a well is being flowed to the atmosphere due to the lack of a flow line connection the flow period shall be three hours.

5. After completion of Flow Test No. 1, the well shall again be shut-in for pressure stabilization as required in paragraph 3 above.

6. Flow Test No. 2 shall be conducted when though no leak was indicated in Flow Test No. 1. 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 and the zone which was previously shut-in is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3-hour tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

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 Aztec District Office of the Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-1-78, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only). A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points taken indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the front of the Packer Leakage Test Form.

