

OIL CONSERVATION DIVISION

Revised 10-1-78

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator SOUTHLAND ROYALTY COMPANY Lease Reid Well No. 19
Location of Well: Unit B Sec. 18 Twp. 28N Rge. 9W County San Juan

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. or Csg.)
Upper Completion	Blanco Mesaverde	Gas	Flow	Casing
Lower Completion	Basin Dakota	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	9-18-82	Length of time shut-in	72 Hrs.	SI press. psig	C. 515	Stabilized? (Yes or No)
Lower Compl	Hour, date Shut-in	9-18-82	Length of time shut-in	72 Hrs.	SI press. psig	T. 585	Stabilized? (Yes or No)

FLOW TEST NO. 1

Commenced at (hour, date)*		9-21-82		Zone producing (Upper Lower) Lower		
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks	
		Upper Compl.	Lower Compl.			
9-19-82		C. 504	T. 579			
9-20-82		C. 504	T. 579			
9-21-82		C. 515	T. 585			
9-22-82	24 Hrs.	C. 515	T. 549			
9-23-82	48 Hrs.	C. 515	T. 349			

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

FLOW TEST NO. 2

Commenced at (hour, date)**				Zone producing (Upper or Lower):		
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: _____

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

SEP 29 1982

Approved: _____ 19 _____

Oil Conservation Division

Original Signed by CHARLES GHOLSON

By _____

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Title _____

Operator SOUTHLAND ROYALTY COMPANYBy James W. SmithTitle District Field ForemanDate 9-28-82

PACKER LEAKAGE TEST INSTRUCTIONS

1. Packer leakage tests shall be commenced on each multiply completed well immediately after initial completion of the well, and annually thereafter, or more often at the order authorizing the multiple completion. Packer leakage tests shall be commenced on all multiple completions within 30 days of completion and/or chemical or fracture treatment. Packer leakage tests shall be done on a well during which the packer is being installed or repaired. Tests shall also be taken at any time requested by the Division or when requested by the Division.

2. Packer leakage tests shall be commenced on any packer leakage test, and shall be reported to the Division in writing of the exact time the test was commenced. Packer operators shall also be so notified.

3. Packer leakage tests shall commence when both zones of the dual completion are under pressure stabilization. Both zones shall remain shut-in until well-head pressure in each has stabilized, provided the shut-in period shall not remain shut-in more than seven days.

4. Pressure stabilization in the zone of the dual completion shall be produced by flowing the zone while the other zone remains shut-in. The zone shall be shut-in for seven days in the case of a gas well and 30 days in the case of an oil well. Note: If, on an initial packer leakage test, the zone is being flowed to the atmosphere due to the lack of a gas-oil or an oil-gas dual completion, the flow period shall be three hours.

5. After completion of Flow Test No. 1, the well shall again be shut-in until well-head pressure is stabilized as above.

6. If a packer leakage test is conducted even though no leak was indicated on the previous test, 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 if 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.

