



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

JERRY APODACA
GOVERNOR

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SECRETARY

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-8178

October 15, 1979

Southland Royalty Company
P. O. Drawer 570
Farmington, New Mexico 87401

Re: Southland Royalty Company
Frontier C #2
I-5-27N-11W

Dear Mr. Smith:

The attached packer test for the above well indicates communication between the producible zones.

You are hereby directed to take immediate action to cause the well to comply with Rule 112A and the order authorizing the multiple completion.

If you have any questions, please contact this office.

Yours truly,

Frank T. Chavez
Deputy Inspector

FTC:no

Enclosure

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Southland Royalty Company Lease Frontier "C" Well No. 2

Location of Well: Unit I Sec. 5 Twp. 27N Rge. 11W County San Juan

Name of Reservoir or Pool (Oil or Gas) Type of Prod. Method of Prod. Prod. Medium (Tbg. or Csg.)

Upper Completion	Kutz Gallup	Oil	Art. Lift	Tbg.
Lower Completion	Basin Dakota	Gas	Flow	Tbg.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	9-26-79	Length of time shut-in	168 Hrs.	SI press. psig	Csg. 665	Stabilized? (Yes or No)
Lower Compl	Hour, date Shut-in	9-26-79	Length of time shut-in	168 Hrs.	SI press. psig	Tbg. 665	Stabilized? (Yes or No)

FLOW TEST NO. 1

Commenced at (hour, date)* 10-3-79 11:45AM Zone producing (~~Upper~~ or Lower): Lower

Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
10-3-79 12:00PM	15 min.	Csg. 458	Tbg. 476		
10-3-79 12:15PM	30 min.	Csg. 217	Tbg. 242		
10-3-79 12:30PM	45 min.	Csg. 154	Tbg. 173		
10-3-79 12:45PM	60 min.	Csg. 79	Tbg. 91		
10-3-79 1:45PM	120 min.	Csg. -50	Tbg. -50		Dead Weight only reads 50#
10-3-79 2:45PM	160 min.	Csg. -50	Tbg. -50		

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)

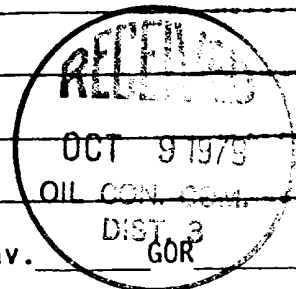
FLOW TEST NO. 2

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.

Approved Not Approved 19 _____
Oil Conservation Division

By Repair Requested

Title _____

Operator SOUTHLAND ROYALTY COMPANY

By [Signature]

Title District Field Foreman

Date October 3, 1979

PACKER LEAKAGE TEST INSTRUCTIONS

1. The test shall be run on each multizone completed well, and the results of the test shall be reported to the Division immediately after the completion of the test.
2. The test shall be run on each well which has been completed with a packer and is producing from two or more zones.
3. The test shall be run on each well during which the packer has been set, and the test shall also be taken at any time requested by the Division.
4. The test shall be run at the commencement of any packer leakage test, and the results of the test shall be reported to the Division immediately after the completion of the test.
5. The test shall be run on each well during which the packer has been set, and the test shall also be taken at any time requested by the Division.
6. The test shall be run on each well during which the packer has been set, and the test shall also be taken at any time requested by the Division.
7. The test shall be run on each well during which the packer has been set, and the test shall also be taken at any time requested by the Division.
8. The test shall be run on each well during which the packer has been set, and the test shall also be taken at any time requested by the Division.
9. The test shall be run on each well during which the packer has been set, and the test shall also be taken at any time requested by the Division.
10. The test shall be run on each well during which the packer has been set, and the test shall also be taken at any time requested by the Division.

7. Pressures for gas-zone tests must be measured with a deadweight pressure gauge at time intervals of 15 minutes, and immediately prior to the beginning of each flow period. For oil zone tests, the pressure shall be measured at the beginning of each flow period, at approximately the midpoint, and immediately prior to the conclusion of each flow period. Test pressures for gas zones may be requested on wells which have produced from gas zones.
- 24-hour oil zone tests: All pressures, including the initial pressure, shall be continuously measured and recorded with deadweight pressure gauges, the accuracy of which must be checked at the beginning and end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, a deadweight pressure gauge shall be required on the oil zone only, with a deadweight pressure gauge 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. The results shall be filed with the Aztec District Office of the Oil Corporation, the New Mexico State Oil and Gas Commission, and the New Mexico Packer Leakage Test Form (Revised 11-1-74), with all relevant pressures indicated thereon as well as the following information: (a) well name only and gravity and GOR (oil zones only); (b) test zone; (c) test date; (d) test time; (e) test results for each zone of each test shall be constructed in triplicate, one set of the Packer Leakage Test Form with all deadweight pressure gauges attached thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the pressure gauges. These key pressure changes should also be indicated on the chart of the Packer Leakage Test Form.

