

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator SOUTHLAND ROYALTY COMPANY Lease Chamberlain Well No. 2
Location of Well: Unit A Sec. 14 Twp. 32 Rge. 12 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 Csg.)
Upper Completion	Undesignated Fruitland	Gas	Flow	Casing
Lower Completion	Blanco Pictured Cliffs	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date Shut-in	8-13-83	Length of time shut-in	72 Hrs.	SI press. psig	C. 485	Stabilized? (Yes or No)
Lower Completion	Hour, date Shut-in	8-13-83	Length of time shut-in	72 Hrs.	SI press. psig	T. 627	Stabilized? (Yes or No)

FLOW TEST NO. 1

Commenced at (hour, date)*		8-16-83		Zone producing (XXXXXXX Lower): Lower		
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks	
		Upper Compl.	Lower Compl.			
8-14-83		C. 421	T. 341			
8-15-83		C. 457	T. 613			
8-16-83		C. 485	T. 627			
8-17-83	24 Hrs.	C. 522	T. 426			
8-18-83	48 Hrs.	C. 545	C. 357			

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 Completion	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Lower Completion	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: AUG 25 1983 19
Oil Conservation Division

By Original Signed by CHARLES GHOLSON

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator SOUTHLAND ROYALTY COMPANY

By James W. Smith

Title District Field Foreman

Date August 24, 1983

NEW MEXICO OIL CONSERVATION DIVISION PACKER LEAKAGE TEST INSTRUCTIONS

1. Tests shall be commenced on each multiply completed well at the time of its initial completion of the well, and annually thereafter, or at such other intervals as may be determined by the Division. Tests shall also be taken at any time requested by the Division.

2. The Division shall be notified in writing of the exact time the test is to be run. The test operators shall also be so notified.

3. The test shall commence when both zones of the dual completion are flowing. Both zones shall be shut-in when the pressure in each has stabilized, provided the shut-in period is not more than seven days.

4. If one zone of the dual completion shall be produced while the other zone remains shut-in, the shut-in period shall be for seven days in the case of a gas well and for three days in the case of an oil well. Note: If, on an initial packer leakage test, the well is shut-in due to the lack of flow, the test period shall be three hours.

5. If, after the first test, the well shall again be shut-in, the test period shall be three hours.

6. If a test is conducted even though no leak was indicated on the previous test, this shall be the same as a test. The previously produced zone shall be shut-in as 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: 1-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 in Northwest New Mexico Packer Leakage Test Form Revised 10-1-75, 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.

