

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Southland Royalty Company Lease Jicarilla 101 Well No. 1-A
Location of Well: Unit I Sec. 1 Twp. 26N Rge. 4W County Rio Arriba

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

Upper Completion	Blanco Mesaverde	Gas	Flow	Tubing
Lower Completion	Basin Dakota	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	Length of time shut-in	SI press. T. 620 psig C. 620	Stabilized? (Yes or No)
Lower Compl	Hour, date Shut-in	Length of time shut-in	SI press. T. 620 psig C. 620	Stabilized? (Yes or No)

FLOW TEST NO. 1

Commenced at (hour, date)* <u>8-27-80</u>				Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
8-25-80		T. 575 C. 585	T. 765		
8-26-80		T. 600 C. 610	T. 920		
8-27-80		T. 620 C. 620	T. 920		
8-28-80	24 Hrs.	T. 630 C. 630	T. 290		
8-29-80	48 Hrs.	T. 640 C. 645	T. 295		

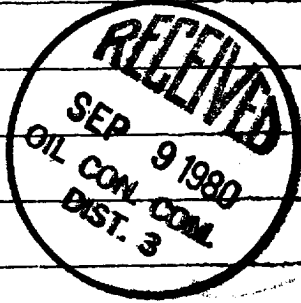
Production rate during test
Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

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: SEP 9 1980 19
Oil Conservation Division
Original Signed by CHARLES GHOLSON
By _____
Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator Southland Royalty Company
By James Smith
Title District Field Foreman
Date September 5, 1980

NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. The test shall be conducted on each multiply completed well, and on each initial completion of the well, and annually thereafter, or more often under authorized multiple completion, or on all multiple completions within 30 days of completion and/or chemical or fracture treatment, or on any well during which the packer is set or removed. Tests shall also be taken at any time requested by the Division.

2. In the event of the abandonment of any packer leakage test, the Division is advised of the exact time the packer is shut-in. Operators shall also be so notified.

3. The test shall commence when both zones of the dual completion are stabilized. Both zones shall remain shut-in until pressure in each has stabilized, provided the well does not remain shut-in more than seven days.

4. If one zone of the dual completion shall be produced while the other zone remains shut-in, the test shall be continued 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 well is being flowed to the atmosphere due to the lack of sufficient flow, the flow period shall be three hours.

5. Following flow test No. 1, the well shall again be shut-in as required above.

6. Flow test No. 2 shall be conducted even though no leak was indicated on flow test No. 1. The test 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: 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 once during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken if 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 or Northwest New Mexico Packer Leakage Test Form Revised 10-1-79, with all deadweight pressures indicated thereon as well as the flowing temperature (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 indicated on the front of the Packer Leakage Test Form.

