NEW MEXICO
OIL CONSERVATION COMMISSION

4-1-56

PACKER LEAKAGE TEST

Operator Sunray Mid-Continent Oil Company Pool (Upper Completion) Blinebry Oil
Lease State Land "15" Well 3 Pool (Lower Completion) Drinkard
Location: Unit O, S. 16, T 21S, R 37E, Lea County, N. M.

Pre-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date)	12:00 noon 10-28-58	12:00 noon 10-27-58
Pressure stabilized at (hour, date)	2:00 P.M 10-29-58	2:00 P.M. 10-29-58
Length of time required to stabilize (hours)	26 hrs. +	50 hrs. +

Flow Test No. 1

Test commenced at (hour, date) 2:00 P.M. 10-29-58. Choke size 20/64
Completion producing Blinebry Oil Completion shut-in Drinkard

	Upper Completion		Lower Completion	
Stabilized pressure at beginning of test	1440	psi	1000	psi
Maximum pressure during test	1440	psi	1100	psi
Minimum pressure during test	0	psi	1000	psi
Pressure at end of test	100	psi	1100	psi
Maximum pressure change during test	1440	psi	100	psi
Oil flow rate during test: 95 BOPD based on 95 BO in			24	hours.
Gas flow rate during test: 252 MCFPD based on 252 MCF in			24	hours.

Mid-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date)	2:30 P.M. 10-30-58	9:00 A.M. 10-31-58
Pressure stabilized at (hour, date)	9:00 A.M. 11-1-58	9:00 A.M. 11-1-58
Length of time required to stabilize (hours)	42 1/2 hrs +	24 hrs +

Flow Test No. 2

Test commenced at (hour, date) 9:00 A.M. 11-1-58. Choke size 32/64
Completion producing Drinkard Completion shut-in Blinebry Oil

	Upper Completion		Lower Completion	
Stabilized pressure at beginning of test	1460	psi	1100	psi
Maximum pressure during test	1500	psi	1100	psi
Minimum pressure during test	1050	psi	0	psi
Pressure at end of test	1500	psi	0	psi
Maximum pressure change during test	400	psi	1100	psi
Oil flow rate during test: 22 BOPD based on 22 BO in			24	hours.
Gas flow rate during test: 64 MCFPD based on 64 MCF in			24	hours.

Test performed by R. B. Hunt Title Foreman

Witnessed by H. F. Steadham Title Pumper

REMARKS: Short period pressure drop of Blinebry Oil zone while blowing down Drinkard zone was due to refrigeration effect caused by icing due to a very small leak in the choke.

NOTE: Recording gauge pressure charts, test data sheet, and a graphic depiction of all phases of the test shall be submitted with this report.

AFFIDAVIT:

I HEREBY CERTIFY that all conditions prescribed by Oil Conservation Commission of the State of New Mexico for this packer leakage test were complied with and carried out in full, and that all dates and facts set forth in this form and all attached material are true and correct. I further certify that a Baker Model D production packer was set at 6470' in March, 1954.

R. E. Statton
(Representative of Company Making Test)

For Sunray Mid-Continent Oil Company
(Company Making Test)

SWORN TO AND SUBSCRIBED before me this the 5th day of November, 1958

Evelyn P. McAlister
Notary Public in and for the County of Lea
State of New Mexico.

(OVER)

MY COMMISSION EXPIRES OCTOBER 9, 1961

INSTRUCTIONS
(SOUTHEAST NEW MEXICO ONLY)

1. At least 24 hours prior to the commencement of this test, the operator shall notify the District Office of the Oil Conservation Commission in writing of the exact time said test is to be commenced.

2. The packer leakage test shall commence with both sides of the completion shut-in. Both sides of the completion must be shut-in a sufficient length of time to allow for complete stabilization of both wellhead pressures, and for a minimum of 2 hours thereafter- this minimum of 2 hours shut-in must show on the charts of the pressure recorder and also must appear on the data sheet.

3. For Flow Test No. 1, one side of the dual completion shall be produced with the other side shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of 2 hours thereafter, and shall be at a rate of flow approximating the normal rate of flow for the zone being produced.

4. Following the completion of flow test No. 1, the well will again be shut-in, and remain so until the wellhead pressures have again become stabilized and for a minimum of 2 hours thereafter.

5. Flow Test No. 2 shall be performed with the previously shut-in side of the dual completion flowing and with the flowing side of the completion used in test number 1 remaining shut-in. This test shall be conducted exactly as outlined under Flow Test No. 1, and must be performed even though no leak was indicated by Flow Test No. 1.

6. All pressures, throughout the entire test, must be continuously measured and recorded with recording pressure gauges.

7. The accuracy of the recording gauges shall be checked at regular intervals throughout the test with a dead weight test gauge, and such readings shall be recorded on the test data sheet provided.

8. For any well on which the wellhead pressures will not stabilize in (24) twenty four hours or less, the minimum producing or shut-in time allowed for stabilization shall be (24) twenty-four hours.

9. This form must be completed and filed in duplicate with the District Office of the Oil Conservation Commission within 15 days following the completion of the testing, and must be accompanied by:

    a. all of the charts, or copies thereof, used on the pressure recorders during the test.

    b. the test data-sheet (s), or copies thereof, required under paragraph 7 above.

    c. a graph depicting the pressures and their changes, for both sides of the completion over the entire test.

10. This packer leakage test shall be performed upon dual completion of any new wells so approved by the Commission. This test shall also be required each year during the annual GOR test for the lowermost oil zone or oil pool so concerned. The Commission may also request packer leakage tests at any time they feel that a new test is desirable.