STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Revised 10/1/78

This form is not to be used for reporting packer leakage tests in Northwest New Mexico

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator		Lease		Well No.
Shell Oil Company		ARCO		1

Location of Well	Unit	Sec	Twp	Rge	County
	M	15	21S	37E	LEA

	Name of Reservoir or Pool	Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)	Choke Size
Upper Compl	Blinebry	~~Gas~~ Oil	Flow	Tbg.	26/64
Lower Compl	Drinkard	Oil	Flow	Tbg.	48/64

FLOW TEST NO. 1

Both zones shut-in at (hour, date): March 4, 1987 9:00 AM

	Upper Completion	Lower Completion
Well opened at (hour, date): 9:00 AM March 5, 1987		
Indicate by (X) the zone producing		X
Pressure at beginning of test	184	38
Stabilized? (Yes or No)	Yes	Yes
Maximum pressure during test	184	38
Minimum pressure during test	184	26
Pressure at conclusion of test	187	26
Pressure change during test (Maximum minus Minimum)	+3	-12
Was pressure change an increase or a decrease?	Inc.	Decrease

Well closed at (hour, date): March 6, 1987 9:00 AM Total Time On Production 24 hrs.

Oil Production During Test: 0 bbls; Grav. — ; Gas Production During Test 10 MCF; GOR —

Remarks Well logged up & died while S.I. on Dak. Side.

FLOW TEST NO. 2

	Upper Completion	Lower Completion
Well opened at (hour, date): March 7, 1987 9:00 AM		
Indicate by (X) the zone producing	X	
Pressure at beginning of test	188	26
Stabilized? (Yes or No)	Yes	Yes
Maximum pressure during test	188	26
Minimum pressure during test	38	26
Pressure at conclusion of test	38	26
Pressure change during test (Maximum minus Minimum)	-150	0
Was pressure change an increase or a decrease?	Decrease	Same

Well closed at (hour, date) March 8, 1987 9:00 AM Total time on Production 24 hrs.

Oil Production During Test: 0 bbls; Grav. — ; Gas Production During Test 15 MCF; GOR —

REMARKS: Blinebry zone dies & will not flow after S.I.

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

Approved: MAR 18 1987 19

Oil Conservation Division

By

Title DISTRICT 1 SUPERVISOR

Operator Shell Oil Company

By

Title Senior Area Supr.

Date March 7, 1987

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Commission.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Commission in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 24 hours.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. 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 while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with a deadweight tester at least twice, once at the beginning and once at the end, of each flow test.

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 appropriate District Office of the New Mexico Oil Conservation Commission on Southeast New Mexico Packer Leakage Test Form Revised 11-1-58 together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, indicating thereon all flow rate changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.