

STATE OF NEW MEXICO  
ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Page 1  
Revised 10/01/78

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator CONOCO INC Lease SAN JUAN 28-7 UNIT Well No. 181M (MD)  
Location of Well: Unit D Sec. 03 Twp. 27 Rge. 07 County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	MESA VERDE	GAS	FLOW	TBG.
Lower Completion	DAKOTA	GAS	FLOW	TBG.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	10-08-97	3-DAYS	243	NO
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	T/D	3-DAYS	0	NO

FLOW TEST NO. 1

Commenced at (hour, date)*				Zone producing (Upper or Lower):	
		10-11-97		UPPER	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
10-09-97	1-DAY	233	0		BOTH ZONES SHUT-IN
10-10-97	2-DAYS	241	0		BOTH ZONES SHUT-IN
10-11-97	3-DAYS	243	0		BOTH ZONES SHUT-IN
10-12-97	1-DAY	222	0		UPPER ZONE FLOWING
10-13-97	2-DAYS	219	0		UPPER ZONE FLOWING

Production rate during test DAKOTA ZONE T/A

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ 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)

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(Continue on reverse side)

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 Completion	Lower Completion		

roduction rate during test

1: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

2: \_\_\_\_\_ MCFPD: Tested thru (Orifice or Meter): \_\_\_\_\_

marks: \_\_\_\_\_

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

proved \_\_\_\_\_ DEC 15 1997 \_\_\_\_\_ 19 \_\_\_\_\_  
New Mexico Oil Conservation Division

\_\_\_\_\_  
Deputy Oil & Gas Inspector

Operator \_\_\_\_\_ CONOCO INC \_\_\_\_\_  
By \_\_\_\_\_ Charles Smith \_\_\_\_\_  
Title \_\_\_\_\_ Field Prod. Supr. \_\_\_\_\_  
Date \_\_\_\_\_ 12-2-97 \_\_\_\_\_

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

A packer leakage test shall be commenced on each multiply completed well within \_\_\_\_\_ days after actual completion of the well, and annually thereafter as prescribed by the \_\_\_\_\_ er authorizing the multiple completion. Such tests shall also be commenced on all \_\_\_\_\_ triple completions within seven days following recompletion and/or chemical or frac- \_\_\_\_\_ treatment, and whenever remedial work has been done on a well during which the \_\_\_\_\_ ker or the rubbing have been disturbed. Tests shall also be taken at any time that com- \_\_\_\_\_ munication is suspected or when requested by the Division.

At least 72 hours prior to the commencement of any packer leakage test, the operator \_\_\_\_\_ ll notify the Division in writing of the exact time the test is to be commenced. Offset \_\_\_\_\_ rators shall also be so notified.

The packer leakage test shall commence when both zones of the dual completion are \_\_\_\_\_ t-in for pressure stabilization. Both zones shall remain shut-in until the well-head \_\_\_\_\_ sure in each has stabilized, provided however, that they need not remain shut-in more \_\_\_\_\_ n seven days.

For Flow Test No. 1, one zone of the dual completion shall be produced at the normal \_\_\_\_\_ of production while the other zone remains shut-in. Such test shall be continued for \_\_\_\_\_ n days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on \_\_\_\_\_ initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack \_\_\_\_\_ pipeline connection the flow period shall be three hours.

Following completion of Flow Test No. 1, the well shall again be shut-in, in accor- \_\_\_\_\_ ce with Paragraph 3 above.

Flow Test No. 2 shall be conducted even though no leak was indicated during Flow \_\_\_\_\_ t 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 zone which was previous- \_\_\_\_\_ ly 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: 3 hours tests: immediately prior to the begin- \_\_\_\_\_ ning 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 ques- \_\_\_\_\_ tionable 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 record- \_\_\_\_\_ ing 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 Asset District Office of the New Mexico \_\_\_\_\_ Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised \_\_\_\_\_ 10-01-78 with all deadweight pressures indicated thereon as well as the flowing \_\_\_\_\_ temperatures (gas zones only) and gravity and GOR (oil zones only).