

API# 30-039-22818

STATE OF NEW MEXICO  
ENERGY AND MINERALS  
DEPARTMENTForm  
Revised 10-1-78

## OIL CONSERVATION DIVISION

This form is for  
pressure testing  
packer leakage tests  
in Southeast New Mexico

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator BURLINGTON RESOURCES OIL & GAS CO. Lease JICARILLA 101 Well No. 7M

Location of Well: Unit G Sect 12 Twp. 026N Rge. 004W 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	MESAVERDE	Gas	Flow	Tubing
Lower Completion	DAKOTA	Gas	Flow	Casing

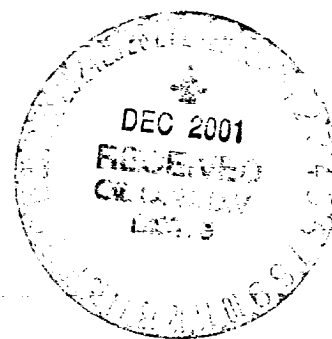
PRE-FLOW SHUT-IN PRESSURE DATA

	Hour. date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion	12/14/2001	72 Hours	317	
Lower Completion	12/14/2001	120 Hours	246	

FLOW TEST NO. 1

Commenced at (hour.date)*	12/17/2001	Zone producing (Upper or Lower)	UPPER
TIME	LAPSED TIME	PRESSURE	PROD. ZONE
(hour.date)	SINCE*	Upper Completion Lower Completion	TEMP
12/18/2001	96 Hours	132 246	
12/19/2001	120 Hours	119 246	

REMARKS



Production rate during test

Oil	BOPD based on	Bbls. in	Hours	Grav.	GOR
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Gas: MCFPD: Tested thru (Orifice or Meter):

	Hour. date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion				
Lower Completion				

3603902

(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		

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours \_\_\_\_\_ 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 DEC 28 2001 19 \_\_\_\_\_  
 New Mexico Oil Conservation Division

By OFFICIAL SIGNED BY CHRISTOPHER M. HOFFMANTitle DEPUTY CHIEF OF GAS INSPECTOR DIST. 03Operator Burlington ResourcesBy Debra R. KingTitle Operations AssociateDate Thursday, December 27, 2001

## NORTHWEST NEWMEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiple 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 Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Other 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, provided however, that they need not remain shut-in more than seven days.

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 for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to lack of a pipeline connection the flow period shall be three hours.

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

Flow Test No. 1 shall be conducted even though the well was shut-in during Flow Test No. 2. If needed, after Flow Test No. 2, the well shall be shut-in for Flow Test No. 3, except

that the previously produced zone shall remain shut-in while 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: 3-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 dead weight 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 New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 1-1-1978 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).