

## OIL CONSERVATION DIVISION

API # 30-039-23898

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Revised 10/01/78

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator BURLINGTON RESOURCES OIL & GAS CO. Lease SAN JUAN 27-5 UNIT Well No. 139M

Location

of Well: Unit E Sect 20 Twp. 027N Rge. 005W 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	Tubing

## PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 7/26/97	Length of time shut-in 144 Hours	SI press. psig 441	Stabilized? (Yes or No)
Lower Completion	7/26/97	72 Hours	651	

## FLOW TEST NO. 1

Commenced at (hour,date)*		7/29/97		Zone producing (Upper or Lower)	
TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP	REMARKS
		Upper Completion	Lower Completion		
7/31/97	120 Hours	443	397		
8/1/97	144 Hours	443	322		

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OIL CON. DIV.  
DIST. 3

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbbls. 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)

(Continue on reverse side)

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

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## FLOW TEST NO. 2

Commenced at (hour,date)**				Zone producing (Upper or Lower):	
TIME (hour,date)	LAPSED TIME SINCE**	PRESSURE		PROD. ZONE	REMARKS
		Upper Completion	Lower Completion	TEMP.	

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 \_\_\_\_\_ JAN 05 1998 19 \_\_\_\_\_ Operator Burlington ResourcesNew: Oil Conservation Division \_\_\_\_\_ By Daletha DayBy Johnny Robinson Title Operator Associate

Deputy Oil &amp; Gas Inspector

Title \_\_\_\_\_ Date 12/30/97

## NORTHWEST 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 conducted on all multiple completions within seven days following recompletion and/or chemical or frac-ture 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. 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, 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 if 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 the 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.
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 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 hours 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 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 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 New Mexico Oil Conservation Division of Northwest New Mexico Packer Leakage Test form Revised 10/01/78 with all deadweight pressures indicated thereon as well as the flowing temperature (gas zones only) and gravity and GOR (oil zones only).

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1420' FNL, 1190' FWL, Sec. 20, T-27-N, R-5-W, NMPM

DHC-1816

Lease Number

SF-079392

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

San Juan 27-5 Unit

8. Well Name & Number

San Juan 27-5 U #139M

9. API Well No.

30-039-23898

10. Field and Pool

Blanco MV/Basin DK

11. County and State

Rio Arriba Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☐ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Commingle

13. Describe Proposed or Completed Operations

5-21-98 MIRU. ND WH. NU BOP. TIH to pkr @ 5921'. Blow well & CO. TOOH w/176 jts  
1 1/2" Mesaverde tbg. SDON.

5-22-98 TOOH w/242 jts 2 3/8" Dakota tbg. SDON.

5-23-98 TIH, tag top of pkr @ 5915'. TOOH. TIH w/2 7/8" spear. Spear pkr. TOOH  
w/spear & pkr. SD for holiday.

5-26-98 TIH, blow well & CO. SDON.

5-27-98 Blow well & CO. TOOH. TIH w/226 jts 1 1/2" 2.9# J-55 EUE tbg, landed @  
7582'. ND BOP. NU WH. Blow well & CO. RD. Rig released.

Well will produce as a Mesaverde/Dakota commingle under DHC-1816.

**RECEIVED**  
JUN 11 1998

**OIL CON. DIV.**

14. I hereby certify that the foregoing is true and correct.

(DIST. 3)

Signed [Signature] Title Regulatory Administrator Date 5/28/98

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

**ACCEPTED FOR RECORD**

JUN 08 1998

**FARMINGTON DISTRICT OFFICE**

NMOCD