

STATE OF NEW MEXICO
ENERGY and MINERALS
DEPARTMENT

OIL CONSERVATION DIVISION

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator BURLINGTON RESOURCES OIL & GAS CO. Lease VAUGHN Well No. 4

Location

of Well: Unit O Sect 29 Twp. 026N Rge. 006W 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	PICTURED CLIFFS	Gas	Flow	Tubing
Lower Completion	CHACRA	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 10/2/97	Length of time shut-in 168 Hours	SI press. psig 133	Stabilized? (Yes or No)
Lower Completion	10/2/97	120 Hours	320	

FLOW TEST NO. 1

Commenced at (hour,date)* 10/7/97		Zone producing (Upper or Lower) LOWER	
TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE	
		Upper Completion	Lower Completion
10/8/97	144 Hours	140	265
10/9/97	168 Hours	140	210

Production rate during test

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)

(Continue on reverse side)

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Time		Lapsed Time		SINCE**		PRESSURE		PROD. ZONE	TEMP.	REMARKS
(hour, date)		Upper Completion	Lower Completion							

Production rate during test

Oil:	BOPD based on	Bbls. in	Hours.	Grav.	GOR	Gas:	MCFPD; Tested thru (Office or Meter):	Remarks:
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I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Operator Douglas Spencer, Inc. 19 DEC 29 1997 Approved _____

Approved

19 ~~DEC 29 1997~~

New Mexico Oil Conservation Division

By

Johnny Robinson

Tide

Operation Coconut

Date _____

Deputy Oil & Gas Inspector

Tide

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 completion wells 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 tubing have been disturbed. Tests shall also be taken at any time that communication is suspended 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 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 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.

as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only)

Test form devised 10/01/78 with all deadweight pressures indicated thereon as well

New Mexico Oil Conservation Division of Northwest New Mexico Packer Leakage

after completion of the test. Tests shall be filed with the Aztec District Office of the

8. The results of the above described tests shall be filed in triplicate within 15 days

deadweight pressures as required above before taken on the gas zone.

completion, the recording gauge shall be required on the oil zone only, with

each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual

which must be checked at least twice, once at the beginning and once at the end of

continuously measured and recorded with recording pressure gauges the accuracy of

24-hour oil zone tests: all pressures, throughout the entire test, shall be

flow have previously shown questionable test data.

flow period. Other pressures may be taken as desired, or may be requested on wells

approximately the midway point) and immediately prior to the conclusion of each

immediately prior to the flow period, at least one time during each flow period (at

thereof, and at hourly intervals thereafter, including one pressure measurement

beginning of each flow period, at fifteen minute intervals during the first hour

pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the

7. Pressures for gas-zone tests must be measured on each zone with a deadweight

was previously shut-in is produced.

except that the previously produced zone shall remain shut-in while the zone which