

OIL CONSERVATION DIVISION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator BURLINGTON RESOURCES OIL & GAS CO. Lease SAN JUAN 28-6 UNIT Well No. 66

Location

of Well: Unit B Sect 11 Twp. 027N 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	MESAVERDE	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 7/26/97	Length of time shut-in 120 Hours	SI press. psig 261	Stabilized? (Yes or No)
Lower Completion	7/26/97	72 Hours	563	

FLOW TEST NO. 1

Commenced at (hour,date)*		7/29/97		Zone producing (Upper or Lower)		LOWER
TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE		REMARKS
		Upper Completion	Lower Completion	TEMP		
7/30/97	96 Hours	261	329			
7/31/97	120 Hours	229	268			

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OIL CON. DIV.
DIST. 3

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)

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

FLOW TEST NO. 2

[illegible]

Production rate during test

:110

BOPD based on

Bols. in

Hours.

MCFPD; Tested thru (Office or Meter):

Gas:

Remarks:

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

Approved

~~DEC 29 1997~~

61

Operator

By

New Mexico Oil Conservation Division

By

Deputy Oil & Gas Inspector

Date _____

Tide

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1741 HC 1741

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 connected on all multiple completions within seven days

following recommendation and/or chemical or trachute 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 packet leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Official operators shall also be so

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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 whenever 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

2. At least 72 hours prior to the commencement of any packet 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 packet 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 pressures in each has stabilized; however, that they need not remain shut-in for more than seven days.

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 pressures in each has stabilized, provided however, that they need not remain shut-in more than seven days.
4. For flow test the 1. one zone of the dual completion shall be produced at the normal rate of stabilized flow.

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 compression are shut-in for pressure stabilization; both zones shall remain shut-in until the well-head pressures 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 test is to be continued.

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

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 pressures 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 casing well is being flowed for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test of a 363 well shut-in for 24 hours in the case of an oil well.
5. If, on an initial packer leakage test of a 363 well, the test shall be continued for seven days if the casing well is being flowed for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test of a 363 well, the test shall be continued for seven days if the casing well is being flowed for 24 hours in the case of an oil well.

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 pressures 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.

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 dial compression 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 dial compression 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 the following:

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 pressures 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.

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.

except that the previously produced zone shall remain shut-in while the zone was previously shut-in is produced.

7. Presures for gas-zone tests must be measured on each zone with a deadweight pressures gauge at the intervals as follows: hours test; immediately prior to the beginning of each flow-period; at fifteen minute intervals during the first flow-period; 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 having previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressures 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 the completion of the test. Tests shall be filed with the District Office of the New Mexico Oil Conservation Division of Northwest New Mexico Petroleum Leasing Test Form Revised 10/01/78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and OR (oil zones only).