STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

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

OIL CONSERVATION E

Page 1 Revised 10/01/78

NORTHWEST NEW MEXICO PACKERALEAKAGE OIL CON. DIV DIST. 5

Well 97 No

Operator BURLINGTON RESOURCES OIL & GAS CO.

Location

В

Unit

Sect 35 Twp. 028N Rge. 006W

Lease

RIO ARRIBA County METHOD OF PROD

PROD. MEDIUM

NAME OF RESERVOIR OR POOL

TYPE OF PROD (Oil or Gas)

SAN JUAN 28-6 U

(Flow or Art. Lift)

(Tbg. or Csg.)

Upper Completion

of Well:

PICTURED CLIFFS

Gas

Flow

Tubing

Lower Completion

Upper

MESAVERDE

Gas

Artificial

PRE-FLOW SHUT-IN PRESSURE DATA

Tubing

Completion

Hour, date shut-in 05/18/2001 Length of time shut-in 72 Hours

SI press, psig

Stabilized? (Yes or No)

Lower Completion

05/18/2001

120 Hours

240

Commenced at (hour.date)*

05/21/2001 LAPSED TIME PRESSURE

FLOW TEST NO. 1

Zone producing (Upper or Lower) PROD. ZONE

UPPER

TIME (hour date)

SINCE*

Upper Completion

Lower Completion

TEMP

REMARKS

05/22/2001

96 Hours

219

251

I turned on upper zone after pressures wer

05/23/2001

120 Hours

152

253

Test is over. I turned on lower zone.

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)

5344902

319

(Continue on reverse side)

FLOW TEST NO. 2

mmenced at (hour, date)**				Zone producing (Upper or Lower):	
TIME	LAPSED TIME	PRESSURE		PROD. ZONE TEMP.	REMARKS
(hour, date)	SINCE **	Upper Completion	Lower Completion	n TEIIII .	
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	1				
					GravGOR
emarks:					
				o the best of my knowledg	e.
nnroved	JUN 14	2001	19	Operator Burlingto	on Resources
	Dil Conservation Div			By Orland A	Olays
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NORTHWEST NEWMEXICO 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 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.
- 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 even dust.
- 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.
- 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-mainte 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 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 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).