OIL CONSERVATION DIVISION

API # 30-039-06908

Page 1 Revised 10/01/78

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

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

Completion

302

5331401

Well Operator BURLINGTON RESOURCES OIL & GAS CO. SAN JUAN 27-4 UNIT No. 20 Location of Well: Unit G Twp. 004W County **RIO ARRIBA** METHOD OF PROD. PROD. MEDIUM NAME OF RESERVOIR OR POOL TYPE OF PROD. (Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.) Upper PICTURED CLIFFS Gas Flow Tubing Completion Lower **MESAVERDE** Gas Flow Tubing Completion PRE-FLOW SHUT-IN PRESSURE DATA Upper Hour, date shut-in Length of time shut-in SI press. psig Stabilized? (Yes or No) Completion 05/23/2000 120 Hours 317 Lower Completion 05/23/2000 72 Hours 411 FLOW TEST NO. 1 Commenced at (hour,date)* 05/26/2000 Zone producing (Upper or Lower) LOWER LAPSED TIME PROD. ZONE TIME **PRESSURE** SINCE* TEMP (hour,date) Upper Completion Lower Completion REMARKS 5/27/200 96 Hours 326 156 opened lower zone for flow 5/28/200 334 120 Hours 157 Production rate during test Oil: BOPD based on Bbls. in Hours MCFPD; Tested thru (Orifice or Meter): Gas: MID-TEST SHUT-IN PRESSURE DATA Hour, date shut-in Upper Stabilized? (Yes or No) Length of time shut-in SI press. psig Completion Lower Hour, date shut-in Length of time shut-in SI press. psig Stabilized? (Yes or No)

(Continue on reverse side)

Commenced at (hour, date)**				Zone producing (Upper or Lower):		
TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE	REMARKS	
		Upper Completion	Lower Completion	TEMP.	KEMAKNO	
Production rate du	uring test					
Oil:	B(OPD based on	Bbls. in	Hours	GravGOR	
Gas:		MCFP	D: Tested thru (Orific	ce or Meter):		
Remarks:						
•	at the information he $JUN-6$	rein contained is true	e and complete to the	best of my knowledge		
Approved	27.0	l	9	perator Burlingto	n Resources	
New Mexico (Oil Conservation Divi	sion	В	v Koloro k	tour	
	IAL SIGNED BY CHA	PLE T. PERWIN			7	
Ву		TOP DIET O		itle Operations As	sociate	
Title DEPUTY OIL & GAS INSPECTOR, DIST. #3				Date Monday, June 05, 2000		

NORTHWEST NEWMEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- I 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.
- 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 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-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
- 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).