

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 HUERFANO UNIT Well No. 109

Location

of Well: Unit I Sect 02 Twp. 026N Rge. 010W County SAN JUAN

	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	GALLUP	Gas	Flow	Tubing
Lower Completion	DAKOTA	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 9/5/97	Length of time shut-in 144 Hours	SI press. psig 261	Stabilized? (Yes or No)
Lower Completion	9/5/97	72 Hours	450	

FLOW TEST NO. 1

Commenced at (hour,date)*		9/8/97		Zone producing (Upper or Lower)		LOWER
TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE	REMARKS	
		Upper Completion	Lower Completion	TEMP		
9/10/97	120 Hours	259	222			
9/11/97	144 Hours	259	170			

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JAN 22 1998

OIL CO. INC.

Production rate during test

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)

[illegible]

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD, Tested thru (Office or Meter): _____

Remarks: _____

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

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Approved	1918	Operator	William H. Hays, Inc.
		By	William H. Hays
		Title	Operation Account
By			
		Title	
		Date	

New Mexico Oil Conservation Division
Deputy Oil & Gas Inspector

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

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

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

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

New Mexico Oil Conservation Division of Northwest New Mexico Packer Leakage Test form revised 10/01/78 with all deadweight pressures indicated deletion as well after completion of the test. Tests shall be filed with the State District Office of the

8. The results of the above described tests shall be filed in triplicate within 15 days of completion of the test. The recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

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