

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 DIVISION

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Revised 10/01/78

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator MERIDIAN OIL INC. Lease SAN JUAN 27-5 UNIT Well No. 37
Location of Well: Unit A Sect. 20 Twp. 027N Rge. 005W 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	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	5-7-96	64 days	377	
Lower Completion	5-7-96	62 days	583	

FLOW TEST NO. 1

Commenced at (hour, date)* 7-9-96				Zone producing (Upper or Lower)	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP	REMARKS
		Upper Completion	Lower Completion		
7-9	62 days	377	583		
7-10	63 days	377	337		
7-11	64 days	377	320		

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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DIST. 3

[illegible]

ate during test _____ Grav. _____ GOR _____
BOPD based on _____ Bbls. in _____ Hours. _____
MCFPD; Tested thru (Orifice or Meter): _____

MERIDIAN OIL, INC.

Date _____

OPERATION ASSISTANT

Johnny Robinson
Deputy Oil & Gas Inspector

7-26-96

[illegible]

The packer leakage test shall commence when both zones of the dual completion are shut-in for
ind.
The packer leakage test shall remain shut-in until the well-head pressure in each has
reached equilibrium. Both zones shall remain shut-in more than seven days.
Notwithstanding however, that they need not remain shut-in at the normal rate of
shut-in, provided however, that they need not remain shut-in for more than seven days.
For flow Test No. 1, one zone of the dual completion shall be produced at the normal rate if the case
indicates while the other zone remains shut-in. Such test shall be continued for seven days if the case
allows and for 24 hours in the case of an oil well. Note: If, on an initial packer leakage test, a
well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall
be three hours.

If flow Test No. 1, the well shall again be shut-in, in accordance with

Following completion of flow Test No. 1, the well shall again be purged in accordance with paragraph 3 above.

Flow Test No. 2 shall be conducted even though no leak was detected. The procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1.

LEAKAGE TEST INSTRUCTIONS
except that the previously produced zone shall remain shut-in while the zone which immediately shut-in is produced.

except that the previously mentioned flow measurement shall be made at least once during each test run, and the flow rate shall be determined by the difference between two consecutive readings divided by the time interval between the two readings.

7. Pressure for gas tests must be measured on each zone with a deadweight tester or pressure gauge at time intervals as follows: 3 hours once; immediately prior to the beginning of each flow period; at fifteen minute intervals during the first hour of testing of each flow-period, including one pressure measurement thereof, and at hourly intervals thereafter, at least one time during each flow period (at immediately prior to the flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the termination of each flow period). Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

8. The temperature of the fluid being tested, throughout the entire test, shall be determined by means of a thermometer, and the accuracy of the thermometer shall be checked before and after the test.

24-hour oil loss 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 discharge well, the recording gauge shall be required on the oil loss only, with completion, the recording gauge being taken on the gas zone. deadweight pressures as required above shall be filed in triplicates within 15 days of the completion of the above described tests shall be filed with the Arctic District Office of the Bureau of Land Management.

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 ASAC District Office of New Mexico Oil Conservation Division of Northwest New Mexico Packer Leasing.

Test form Revised 10/01/78 with all downhole pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).