



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
PHONE 334-6178 FAX: (505) 334-6170
<http://oilconservation.state.nm.us/oilcd/District/NM3district.htm>

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

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OIL CONSERVATION DIVISION

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Revised 11/16/98

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Mallon Oil Company Lease Name Jicarilla 460-21 Well No 1

Location of Well: Unit Letter F Sec 21 Twp 30N Rge 03W API # 30-039-25866

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lin)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	Cabresto Canyon; San Jose Ext.	Gas	Flow	Tubing
Lower Completion	Cabresto Canyon; Ojo Alamo Ext.	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 12:45 pm 2/23/99	Length of time shut-in 72 hrs	SI press. psig 150 psi	Stabilized? (Yes or No) Yes
Lower Completion	Hour, date shut-in 12:45 pm 2/23/99	Length of time shut-in 772 hrs	SI press. psig 510 psi	Stabilized? (Yes or No) Yes

FLOW TEST NO. 1

Commenced at (hour, date)* 12:55 pm 2/26/99				Zone producing (Upper or Lower): Lower (Ojo Alamo)	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
12:55 pm 2/26/99	0	150	510		Open Ojo Alamo to flow
6:00 pm 2/26/99	5 hrs	150	90		Flowing
11:00 pm 2/26/99	10 hrs	150	75		Flowing
4:00 am 2/27/99	15 hrs	152	70		Flowing
9:00 am 2/27/99	20 hrs	155	65		Flowing
2:50 pm 2/27/99	26 hrs	155	65		Shut in Ojo Alamo

*Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours _____ Grav. _____ GOR _____
Gas: 147 MCFPD; Tested thru (Orifice or Meter): Meter

MID-TEST SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in N/A	Length of time shut-in N/A	SI press. psig N/A	Stabilized? (Yes or No) N/A
Lower Completion	Hour, date shut-in N/A	Length of time shut-in N/A	SI press. psig N/A	Stabilized? (Yes or No) N/A

(Continue on reverse side)

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

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FLOW TEST NO. 2

Commenced at (hour, date)** 2:50 pm 2/27/99				Zone producing (Upper or Lower): Upper (San Jose)	
TIME (hour, date)	LAPSED TIME Since**	PRESSURE		PROD. ZONE	REMARKS
		Upper Completion	Lower Completion		
2:50 pm 2/27/99	0	155	65		Open San Jose to flow
8:00 pm 2/27/99	5 hrs	60	390		Flowing
1:00 am 2/28/99	10 hrs	60	420		Flowing
6:00 am 2/28/99	15 hrs	60	440		Flowing
11:00 am 2/28/99	20 hrs	60	460		Flowing
1:05 pm 2/28/99	22 hrs	60	470		End packer test

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____
 Gas: 350 MCFPD: Tested thru (Orifice or Meter): Meter

Remarks: Pressure chart time running fast compared to recorded report time.

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

Approved _____ 19 _____
 Mexico Oil Conservation Division

Operator Mallon Oil Company

New

By John Zellitti

By ORIGINAL SIGNED BY ERNIE BUSCH

Title Petroleum Engineer

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date March 15, 1999

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiple 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 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 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 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 11-18-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

