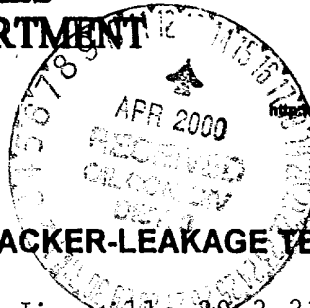




NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

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



OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
[http://emrdd.state.nm.us/ood/District III3distrct.htm](http://emrdd.state.nm.us/ood/District%20III3distrct.htm)

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Revised 11/16/98

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Mallon Oil Company Lease Name Jicarilla 30-3-33 Well No 5

Location of Well: Unit Letter 0 Sec 33 Twp 30N Rge 3W API # 30-039-26107

	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	Cabresto Canyon Nacimiento Ext.	Gas	Flow	Tbg
Lower Completion	Cabresto Canyon Ojo Alamo Ext.	Gas	Flow	Tbg

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 2:15 PM 3/17/00	Length of time shut-in 70.5 hrs	SI press. Psig 810 psig	Stabilized? (Yes or No) Yes
Lower Completion	Hour, date shut-in 2:15 PM 3/17/00	Length of time shut-in 70.5 hrs	SI press. Psig 480 psig	Stabilized? (Yes or No) Yes

FLOW TEST NO. 1

Commenced at (hour, date)* 12:45 PM 3/20/00				Zone producing (Upper or Lower): Lower	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
12:45 PM 3/20/00	0	810	480		Open Ojo Alamo to flow
5:45 PM 3/20/00	5 hrs	810	265		Flowing Ojo Alamo
10:45 PM 3/20/00	10 hrs	810	240		Flowing Ojo Alamo
3:45 AM 3/21/00	15 hrs	810	220		Flowing Ojo Alamo
8:45 AM 3/21/00	20 hrs	810	210		Flowing Ojo Alamo
11:30 AM 3/21/00	23 hrs	810	200		Flowing Ojo Alamo

Production rate during test

Oil: N/A BOPD based on Bbls. in Hours Grav. GOR

Gas: 530 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	SI press. psig	Stabilized? (Yes or No)
Lower Completion	Hour, date shut-in N/A	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

(Continue on reverse side)

FLOW TEST NO. 2

Commenced at (hour, date)** 11:30 AM 3/21/00				Zone producing (Upper or Lower): Upper	
TIME (hour, date)	LAPSED TIME Since**	PRESSURE		PROD. ZONE	REMARKS
		Upper Completion	Lower Completion		
11:30 AM 3/21/00	0	.810	200		Open Nacimiento to flow
4:30 PM 3/21/00	5 hrs	160	380		Flowing Nacimiento
9:30 PM 3/21/00	10 hrs	140	410		Flowing Nacimiento
2:30 AM 3/22/00	15 hrs	130	425		Flowing Nacimiento
7:30 AM 3/22/00	20 hrs	120	440		Flowing Nacimiento
10:00 AM 3/22/00	22.5 hrs	120	442		Flowing Nacimiento

Production rate during test

Oil: N/A BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____
 Gas: 409 MCFPD: Tested thru (Orifice or Meter): 3/8" choke to pit

Remarks: Chart clock time running fast to watch time. The first flow test did not achieve cross over of pressures so the Ojo Alamo was flowed again.
 I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved APP 13 2000 19_____
 Mexico Oil Conservation Division

Operator Mallon Oil Company New

By Charles Herron

By John J. Jelliffe
 Title District Petroleum Engineer

Title DEPUTY OIL & GAS INSPECTOR, DIST. 3

Date 4/12/00

NORTHWEST NEW MEXICO 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.

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 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

Page 3.

FLOW TEST NO. 3

Production rate during test

Remarks: Chart clock time running fast to watch time. Third flow test required to achieve cross over.

Approved _____ 19____ Operator Mallon Oil Company New
Mexico Oil Conservation Division

By _____ Title District Petroleum Engineer
Title _____ Date 4/12/00

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.

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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:

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 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

MALLON OIL COMPANY

MORNING COMPLETION REPORT

PAGE 1 OF 4

WELL NAME	Jic 30-03-33 #5		AFE	DATE	3-17-00	DAYS
ESSENTIAL OPERATION			DEEPEST CASING -- O.D. DEPTH			
BING SIZE & DEPTH			PERFORATED INTERNAL /FORMATION			
TRACTOR & RIG NO	Sec-33, T30N, R3W Unit-0		API 30-039-26107			
	PBTD	PACKER	TUBING I.D.	FOREMAN	REPORT TAKEN BY	

DESCRIPTION OF OPERATIONS
 2:00 P.M. Start PRR Integrity Test
 OA FTP=53 CFR=370 MCFD=369 TX gauge=4"3"
 NAC=517P=6 SICP=580 CFR=0

2:45 P.M. Shut in OA Tbg.
 2:30 P.M. OA 517P=214 NAC 517P=6 SICP=580
 6:30 P.M. OA 517P=305 NAC 517P=6 SICP=560

3-18-00
 6:15 A.M. OA 517P=383 NAC 517P=808 SICP=393
 Note: Lse. Operator Failed to open NAC master tbg. valve, opened master valve actual NAC 517P is 808 psi, also found gauge in csq. not working properly, changed gauge accurate reading is 393 psi.
 2:00 P.M. OA 517P=403 NAC 517P=808 SICP=808
 Note: Pumper found needle valve on NAC Tbg. closed, valve was opened, recorder working properly.

3-19-00
 6:10 A.M. OA 517P=442 NAC 517P=810 SICP=810
 12:45 P.M. OA 517P=453 NAC 517P=808 SICP=810

BING & BHA TALLY					DESCRIPTION	DAILY COSTS	CUMM. COSTS
HEAD, GRADE, ETC.	SIZE & WT.	NO JOINTS	LENGTH		ROAD AND LOCATION		
			FEET	TENTHS			
					BITS		
					COMPLETION & SWAB UNITS		
					COMPLETION FLUID		
					CEMENTING & EQUIP.		
					TESTING		
					PERFORATING & LOGGING		
					STIMULATION		
					SPECIAL SERVICES		
					EQUIPMENT RENTAL		
TOTAL BHA LENGTH					LABOR & TRANSPORTATION		
JO DATA					SUPERVISION		
SIZE - TYPE	NO. RODS	FEET			OTHER		
					PROD. CASING		
					TUBING		
					WELLHEAD EQUIPMENT		
					SEPARATOR, DEHY. COMP.		

M. LLON OIL COMPANY

MORNING COMPLETION REPORT

PAGE 2 OF 4

WELL NAME	Ticarilla 30-03-33 #5		AFE	DATE	3-20-00	DAYS
ESSENTIAL OPERATION	Packer Integrity Test.		DEEPEST CASING -- O.D. DEPTH			
BING SIZE & DEPTH			PERFORATED INTERNAL /FORMATION			
INTRACTOR & RIG NO.						
PBTD	PACKER	TUBING I.D.	FOREMAN	REPORT TAKEN BY		
			J. Costale			
DESCRIPTION OF OPERATIONS						

3-20-00

Watch: 9:25^{AM}: O.A. - SITP-489 NAC: SITP-812, SICP-812

Clock: 6^{PM}: Note: Clock is 8 1/2 hours Fast.

Watch: 12:25^{PM}: O.A. - SITP-493, NAC: SITP-816, SICP-817

Watch: 12:35^{PM}: Open OJO-Alamo to Sales 24 hour Test, FTP-406 PSI,

IFR-1.100 MCFD, LP-52 PSI,

Watch: 4:30^{PM}: O.A. - FTP-281, FR-723, LP-52, NAC: SITP-831, SICP-835

3-21-00

Watch 10:40^{AM}: O.A. - FTP-201, FR-530, LP-51 NAC: SITP-822, SICP-825

Clock: 10:00^{PM}: Clock is 11 1/2 hour Fast

11:30^{AM}: Close OJO-Alamo to Sales, open Nacimiento to pit on a 3/8 choke. IFTP-281, SICP-750, IFR-919 MCFD, Flare Blew out lots of water. O.A.: SITP-310 PSI.

2:15^{PM}: NAC - FTP-162, SICP-710, FR-548 MCFD, Est-30 Bbls fluid (3/8 choke) Recovered. (Approx: 3 hours). Avg 10 BPH. Flowrate seems lower, water volume creating High Tubing pressure.

O.A. - SITP-390 PSI.

BING & BHA TALLY					DESCRIPTION	DAILY COSTS	CUMM. COSTS
HEAD, GRADE, ETC	SIZE & WT	NO. JOINTS	LENGTH		ROAD AND LOCATION		
			FEET	TENTHS	BITS		
					COMPLETION & SWAB UNITS		
					COMPLETION FLUID		
					CEMENTING & EQUIP.		
					TESTING		
					PERFORATING & LOGGING		
					STIMULATION		
					SPECIAL SERVICES		
					EQUIPMENT RENTAL		
TOTAL BHA LENGTH					LABOR & TRANSPORTATION		
ADDITIONAL DATA					SUPERVISION		
SIZE - TYPE	NO. RODS		FEET		OTHER		
					PROD. CASING		
					TUBING		
					WELLHEAD EQUIPMENT		
					SEPARATOR, DEHY. COMP.		

M. LLON OIL COMPANY

MORNING COMPLETION REPORT

PAGE 3 OF 4

WELL NAME <u>Jicavilla 30-3-33 #5</u>	AFE	DATE <u>3-22-00</u>	DAYS
ESSENTIAL OPERATION <u>Packer Integrity Test</u>	DEEPEST CASING -- O.D. DEPTH		
PIPE SIZE & DEPTH	PERFORATED INTERNAL /FORMATION		
CONTRACTOR & RIG NO.			
PBTD	PACKER	TUBING I.D.	FOREMAN
			REPORT TAKEN BY <u>J. Costale, Z</u>

DESCRIPTION OF OPERATIONS

[3-22-00] 3/8 choke to pit. (Nacimiento)
 Watch - 10:00 AM : NAC: FTP - 118 PSI, SICP - 600 PSI FR - 409 mcf/d
 Clock - 2:00 AM : Est - 205 Bbls to pit, Shut In.

O.A. : SITP - 465 PSI, open to Sales, IFR - 1450
LP - 54 PSI

10:30 AM NAC: SITP - 263 PSI, SICP - 650 PSI

O.A. : FTP - 163 PSI, FR - 1400 mcf/d, LP - 57 PSI

NOTE: Nacimiento Flow on a 3/8 choke to pit
for 22.5 hours. (Pit full of water) water Trucks
were stuck due to weather. Visited with
Bruce Martin on this situation, then shut in
well.

BING & BHA TALLY

HEAD, GRADE, ETC.	SIZE & WT.	NO. JOINTS	LENGTH		DESCRIPTION	DAILY COSTS	CUMM. COSTS
			FEET	TENTHS			
					ROAD AND LOCATION		
					BITS		
					COMPLETION & SWAB UNITS		
					COMPLETION FLUID		
					CEMENTING & EQUIP.		
					TESTING		
					PERFORATING & LOGGING		
					STIMULATION		
					SPECIAL SERVICES		
					EQUIPMENT RENTAL		
					LABOR & TRANSPORTATION		
					SUPERVISION		
SIZE - TYPE	NO. RODS	FEET			OTHER		
					PROD. CASING		
					TUBING		
					WELLHEAD EQUIPMENT		
					SEPARATOR, DEHY. COMP.		

MILLON OIL COMPANY

MORNING COMPLETION REPORT

PAGE 4 OF 4

WELL NAME <u>Jicarilla 30-3-33#5</u>		AFE	DATE <u>3-23-00</u>	DAYS
ESSENT OPERATION <u>Packer Integrity Test</u>		DEEPEST CASING -- O.D. DEPTH		
BING SIZE & DEPTH		PERFORATED INTERNAL /FORMATION		
INTRACTOR & RIG NO.				
PSTD	PACKER	TUBING I.D.	FOREMAN	REPORT TAKEN BY <u>J. Costalez</u>

DESCRIPTION OF OPERATIONS 3-23-00

Watch: 10:30 AM NAC:- SITP-805 PSI, SICP-810 PSI.

Clock: 5:30 AM

O.A.:- FTP-73 PSI, FR-500 MCFD, LP-51 PSI.

Open 050-Alamo Completely, End of Test.

BING & BHA TALLY					DESCRIPTION	DAILY COSTS	CUMM. COSTS
HEAD, GRADE, ETC.	SIZE & WT.	NO. JOINTS	LENGTH				
			FEET	TENTHS			
					ROAD AND LOCATION		
					BITS		
					COMPLETION & SWAB UNITS		
					COMPLETION FLUID		
					CEMENTING & EQUIP.		
					TESTING		
					PERFORATING & LOGGING		
					STIMULATION		
					SPECIAL SERVICES		
					EQUIPMENT RENTAL		
TOTAL BHA LENGTH					LABOR & TRANSPORTATION		
ADDITIONAL DATA					SUPERVISION		
SIZE - TYPE	NO. RODS		FEET		OTHER		
					PROD. CASING		
					TUBING		
					WELLHEAD EQUIPMENT		
					SEPARATOR, DEHY. COMP.		

