



NEW MEXICO DEPARTMENT OF ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6176 FAX: (505) 334-6170
<http://dmr.state.nm.us/oed/District/11/3/district.htm>

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

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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 E Sec 21 Twp 30N Rge 3W API # 30-039-25866

	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 San Jose 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 4:15 PM 3/17/00	Length of time shut-in 69 hours	SI press. Psig 121 psig	Stabilized? (Yes or No) Yes
Lower Completion	Hour, date shut-in 4:15 PM 3/17/00	Length of time shut-in 69 hours	SI press. Psig 480 psig	Stabilized? (Yes or No) Yes

FLOW TEST NO. 1

Commenced at (hour, date)* 1:20 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		
1:20 PM 3/20/00	0	121	480		
6:20 PM 3/20/00	5 hrs	121	69		Open Ojo Alamo to flow
11:20 PM 3/20/00	10 hrs	121	65		Flowing Ojo Alamo
4:20 AM 3/21/00	15 hrs	121	65		Flowing Ojo Alamo
9:20 AM 3/21/00	20 hrs	121	65		Flowing Ojo Alamo
1:20 PM 3/21/00	24 hrs	121	65		Flowing Ojo Alamo

Production rate during test

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

Gas: 75 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)** 1:30 PM 3/21/00				Zone producing (Upper or Lower): Upper	
TIME (hour, date)	LAPSED TIME Since**	PRESSURE		PROD. ZONE	REMARKS
		Upper Completion	Lower Completion		
1:30 PM 3/21/00	0	121	65		Open San Jose to flow
6:30 PM 3/21/00	5 hrs	40	360		Flowing San Jose
11:30 PM 3/21/00	10 hrs	39	385		Flowing San Jose
4:30 AM 3/22/00	15 hrs	38	400		Flowing San Jose
9:30 AM 3/22/00	20 hrs	38	410		Flowing San Jose
1:30 PM 3/22/00	24 hrs	36	420		Flowing San Jose

Production rate during test

Oil: N/A BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____
 Gas: 90 MCFPD: Tested thru (Orifice or Meter): Meter

Remarks: Chart clock running fast to watch time.

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

Approved APR 3 2000 19____
 Mexico Oil Conservation Division

Operator Mallon Oil Company

New

By Charlie Herrin

By John Jellett
 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).

MALLON OIL COMPANY

MORNING COMPLETION REPORT

PAGE 1 OF 3

WELL NAME <i>Jic 460-21 #1</i>		AFE		DATE <i>3-17-00</i>		DAYS	
ESSENTIAL OPERATION				DEEPEST CASING -- O.D. DEPTH			
BING SIZE & DEPTH				PERFORATED INTERNAL FORMATION			
TRACTOR & RIG NO <i>Sec-21, T30M, R3W Unit-E</i>				API # <i>30-039-25866</i>			
PBD		PACKER		TUBING I.D.		FOREMAN	
DESCRIPTION OF OPERATIONS <i>4: P.M. Start PKR Integrity Test</i>				REPORT TAKEN BY			

OA FTP = 39 CFR = 37 MWD = 27 SS FTP = 43 CFR = 64 MWD = 63 SICP = 92

4:15 P.M. Shut log on OA & SS

4:30 P.M. OA SITP = 176 SS SITP = 91 SICP = 100

6:00 P.M. OA SITP = 382 SS SITP = 114 SICP = 111

3-18-00

6:45 A.M. OA SITP = 440 SS SITP = 119 SICP = 119

2:30 P.M. OA SITP = 449 SS SITP = 120 SICP = 120

Note: Well mark plug on SS log. leaking, install needle valve & recall plug, recorder working properly.

3-19-00

6:35 A.M. OA SITP = 464 SS SITP = 123 SICP = 123

OA SITP = 467 SS SITP = 123 SICP = 124

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.		

ALLON OIL COMP. NY

MORNING COMPLETION REPORT

PAGE 2 OF 3

WELL NAME Jic 460-21 #1		AFE		DATE 3-17-00		DAYS	
ESSENTIAL OPERATION				DEEPEST CASING -- O.D. DEPTH			
BING SIZE & DEPTH				PERFORATED INTERNAL /FORMATION			
TRACTOR & RIG NO.							
PBD		PACKER		TUBING I.D.		FOREMAN	
DESCRIPTION OF OPERATIONS				REPORT TAKEN BY			

4:15 P.M. Start PKR Integrity Test
 OA FTP = 39 CFR = 37 MWD = 27 SS FTP = 43 CFR = 64 MWD = 63 SSCP = 92

4:15 P.M. Shut fbg. on OA & SS
 4:30 P.M. OA SFTP = 176 SS SFTP = 91 SSCP = 100
 6:00 P.M. OA SFTP = 382 SS SFTP = 114 SSCP = 111

(3-18-00)
 6:45 A.M. OA SFTP = 440 SS SFTP = 119 SSCP = 119
 2:30 P.M. OA SFTP = 449 SS SFTP = 120 SSCP = 120

Note: Well mark plug on SS fbg. leaking, install needle valve beneath plug, recorder working properly.

(3-19-00)
 6:35 A.M. OA SFTP = 464 SS SFTP = 123 SSCP = 123
 OA SFTP = 467 SS SFTP = 123 SSCP = 124

(3-20-00) - J. Costello

Watch: 10:00 A.M. OA - SFTP - 485, SS - SFTP - 125, SSCP - 126
 Clock: 5:00 P.M. Note: Clock is 7 hours fast.

Next Page

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.		

M. LLON OIL COMPANY

MORNING COMPLETION REPORT

PAGE 3 OF 3

WELL NAME <u>Jicarilla 460-21 #1 OA/SJ</u>	AFE	DATE <u>3-2-00</u>	DAYS
ESSENTIAL OPERATION <u>Packer Integrity Test</u>		DEEPEST CASING -- O.D. DEPTH	
BING SIZE & DEPTH		PERFORATED INTERNAL /FORMATION	
TRACTOR & RIG NO.			
PBTD	PACKER	TUBING I.D.	FOREMAN
DESCRIPTION OF OPERATIONS			REPORT TAKEN BY <u>J. Costale</u>

3-20-00

Watch 1:15 Pm: O.A. - SITP - 489, S.J. - SITP - 128, SICP - 127
 1:20 Pm: Open OJO Alamo to Sales. FTP - 393 PSI, Flowrate - 136,
 24 hour flow test. LP - 36 PSI.
 4:00 Pm: O.A. - FTP - 69, FR - 132 mcf/d, LP - 37, S.J. - SITP - 126, SICP - 126

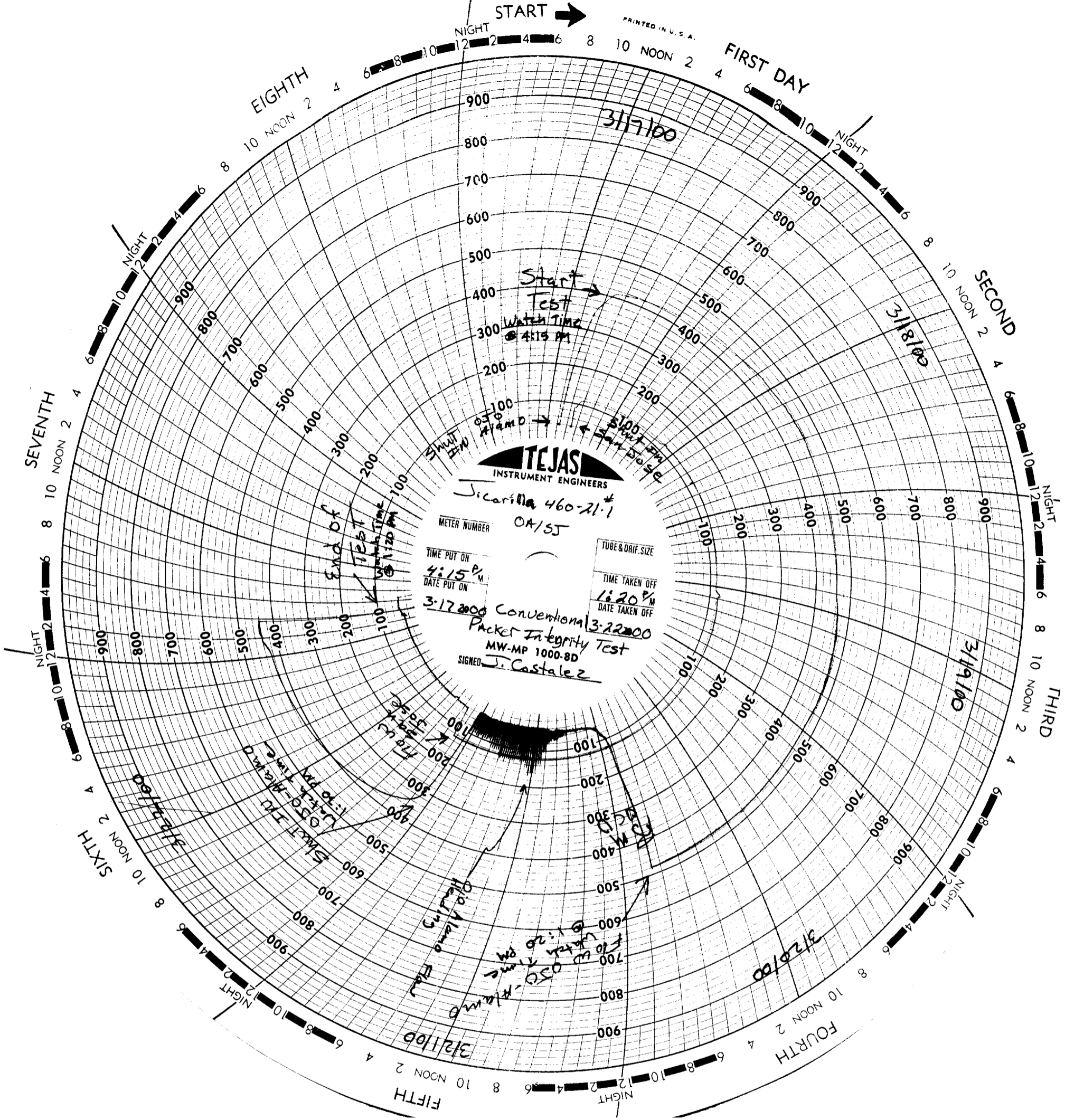
3-21-00

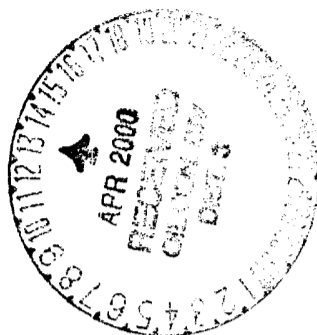
Watch 10:00 Am: O.A. - FTP - 41, FR - 70, LP - 38 S.J. - SITP - 129, SICP - 129
 Clock 10:00 Pm - Running 12 hours fast.
 12:40 Pm: O.A. - FTP - 54, FR - 75, LP - 38 S.J. - SITP - 129, SICP - 129
 Watch 1:30 Pm: Close OJO Alamo, Open San Jose to Sales
 SJ: IFTP - 54, SICP - 128, IFR - 165 mcf/d, LP - 38 PSI.
 OA: SITP - 103 PSI.

3-22-00

Watch 1:20 Pm: O.A. - SITP - 445 PSI
 Clock 3:45 Am: S.J. - FTP - 42 PSI, SICP - 90 PSI, FR - 90 mcf/d, LP - 41 PSI.
 Install OJO Alamo to Sales
 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		
WELL DATA					SUPERVISION		
SIZE - TYPE	NO. RODS		FEET		OTHER		
					PROD. CASING		
					TUBING		
					WELLHEAD EQUIPMENT		
					SEPARATOR, DEHY. COMP.		





District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104B
March 19, 2001

Submit 1 copy of the final affected
wells list along with 1 copy of this form
per number of wells on that list to
appropriate District Office

Change of Operator Name

OGRID: 14538
Effective Date: January 1, 2001

Previous Operator Name and Information:

New Operator Name and Information:

Name: <u>Burlington Resources Oil & Gas Co.</u>	New Name: <u>Burlington Resources Oil & Gas Co. L.</u>
Address: <u>3401 East 30th Street</u>	Address: <u>3401 East 30th Street</u>
Address: <u>PO Box 4289</u>	Address: <u>PO Box 4289</u>
City, State, Zip: <u>Farmington, New Mexico 87499</u>	City, State, Zip: <u>Farmington, New Mexico 87499</u>

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: 

Printed
name: John F. Zent

Title: General Manager/Compliance

Date: 10-1-01 Phone: (505) 326-9700

NMOCD Approval

Signature: _____

Printed Name: _____

District: _____

Date: _____