Form 3160-5 (June 1990)	DEPARTMEN	ED STATES T OF THE INTERIOR AND MANAGEMENT	N.M. Oil Con P 1980 Hobbs, NM 88241		FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31. 1993 Lease Designation and Serial No.
to not use this form		31633 f Indian, Allottee or Tribe Name			
1. Type of Well	SUBMIT	IN TRIPLICATE		7. 1	f Unit or CA, Agreement Designation
2. Name of Operator BURLINGTON RECOU	Cother RCES OIL & GAS COMPA	ANY		- CHEC FEDE	
 Address and Telephone No. P. O. BOX 51810, Location of Well (Footage, 660' FNL & 1980' Sec. 24, T23S, R: 23 	9. API Well No. 30-025-32628 10. Field and Pool, or exploratory Area RED TANK BONE SPRING WEST RED TANK DELAWARE 11. County or Parish, State				
	PROPRIATE BOX(s)	TO INDICATE NATU	RE OF NOTICE, REPORT,	ILEA OR O	NM THER DATA
TYPE OF SUE			TYPE OF ACTION		······································
X Notice of I Subsequent Final Aban		Abandor Recomp Plugging Casing F Altering Other	letion 3 Back Repair Casing		Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water te: Report results of nultiple completion on Well

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Burlington Resources has made application to downhole commingle the above referenced wellbore. Please find attached, a copy of said application for your review and approval.

.

SUBJECT TO
LIKE APPROVAL
BY STATE

14. I hereby certify that the foregoing is true and correct Signed	Title	Regulatory Compliance	Date	11/24/97
(This space for Federal or State office use) Approved by DAVID & GLASS Conditions of approval, if any:	Title	DETROLEUM ENGINEER	Date	DEC 01 1997

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

PO O A SS VON FAH

BOSMERT OFFICE

DISTRICT I	Form C-107-A New 3-12-96				
P 0. Box 1980, Hobbs, NM 88241-1980 DISTRICT II	OIL CONSERVATION DIVISION	APPROVAL PROCESS:			
811 5. First St. Artesia, NM 88210-2835 DISTRICT III	2040 S. Pacheco Santa Fe, New Mexico 875054-6429	X_AdministrativeHearing EXISTING WELLBORE			
1000 Rio Brazos Rd, Aztec, NM 87410-1693	APPLICATION FOR DOWNHOLE COMMINGLING	<u>X</u> YES NO			
BURLINGTON RESOURCES OIL &	GAS COMPANY P.O. Box 51810 Micland, TX 7971	10-1810			

Operator		Address					
CHECKERBOARD 23 FEDERAL	<u>11</u>	B,	23 ec - Twp - Rge	T225	5 R32	Ε	LEA CO., NM
_8430	Wen NO.		ec - rwp - nge		s	pacing Unit	County Lease Types (check 1 or more)
DGRID NO 26485 Property Co	de <u>13136</u>	API NO 30-0	25-32628			leral X	
The following facts are submitted in support of downhole commingling:	Upper Zone			Intermed Zone			Lower Zone
1 Pool Name and Pool Code	WEST RED TANK 51689	DELAWARE					RED TANK BONE SPRING 51683
2. Top and Bottom of Pay Section (Perforations)	8474 ' - 85	524'					9825 [•] -9915 <i>°</i>
3. Type of production (Oil or Gas)	OIL						OIL
4. Method of Production (Flowing or Artificial Lift)	ARTIFICIAL	LIFT					ARTIFICIAL LIFT
5 Bottomhole Pressure	a. (Current)		a.			a	
Oil Zones - Artificial Lift: Estimated Current	1200 PSI	EST.					3925 PSI EST.
Gas & Oil - Flowing Measured Current All Gas Zones: Estimated Or Measured Original	b. ^(Original) 3475 PSI	EST.	b.			b	
6 Cili Gravity (^O API) or Gas BTU Content)	40 DEG	à.			_		40 DEG
7 Producing or Shut-In?	PRODUCT	ION					TO BE COMPLETED
Production Marginal? (yes or no)	Yes						Yes
 If Shut-In, give date and oii/gas/ water rates of last production Note For new zones with no production history, applicant shall be required to attach production estimates and supporting data 	Date: Rates:		Date: Rates:			·	late. Lates
 If Producing, give date and oil/gas/ water rates of recent test (within 60 days) 	Date: 10-20-97 Rates: 18 BOPD, 0 BWPD), 90 MCFPD	Date: Rates:				ate TO BE COMPLETED ates: SEE ATTACHED
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 70 % Ga	50 [%]	Oil:	% ^G	ias:	% 0	il: Gas 30 50 [%]

If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? If not, have all working, overriding, and royalty interests been notified by certified mail? Have all offset operators been given written notice of the proposed downhole commingling?

X_Yes Yes X_Yes No

<u>X</u> Yes No

Will cross-flow occur? Yes y No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. Yes No (If No, attach explanation) 11. Will cross-flow occur?

12. Are all produced fluids from all commingled zones compatible with each other?

13. Will the value of production be decreased by commingling? <u>Yes X</u>No (If Yes, attach explanation)

14. If this well in on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X Yes ____No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS:

 C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 Production curve for each zone for at least one year. (If not available, attach explanation.)
 For zones with no production history, estimated production rates and supporting data.
 Data to support allocation method or formula.
 Notification list of all offset operators.
 Notification list of uncing overriding and revalty interests for uncommon interest cases.

Notification list of all offset operators.
 Notification list of working, overriding, and royalty interests for uncommon interest cases.
 Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Maria L. Purz	TITLE REGULATORY REP. DATE 11-19-97
TYPE OR PRINT NAME MARIA L. PEREZ	TELEPHONE NO. (915) 688-6906

District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 S. 1st Street, Artesia, NM 88210-2834 District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico ergy, Minerals & Natural Resources Departn

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Numb	er	T	² Poo	l Code			³ Poci Name							
31	0-025-32	628		51	.689		1.JF	ST RED TANK		DE					
⁴ Property	Code					perty Na	ime M	ST KED TANK	UELAWA	KE 6	Well Number				
1313	36				CHECKERBO				i						
7 OGRID	No.				8 Op	erator Na	me			9	11 Elevation				
264	85		BURLINGTON RESOURCES OIL & GAS COMPANY												
L		,I,	¹⁰ Surface Location 373							ES OIL & GAS COMPANY 3739'					
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L						e Location If Different From Surface									
						It Diffe	erent From Surfac	e							
UL or lot no.	Section	Townshi	p Range	Lot. I	dn Feet from	m the	North/South Line	Feet from the	East/W	'est line	County				
¹² Dedicated Acre	s ¹³ Joint	t or Infill	14Consolida	tion Code	15 Order No.					I					
40			Consolida		Oldel 140.										
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								L hereby certify	that the in	formation	CATION oontained herein is				
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· ·								Maria	i I	. 7	ene				
								Signature			<u> </u>				
									EREZ						
:								Printed Name							
								REGULATORY REPRESENTATIVE							
								11-19-97							
								Date							
								¹⁸ SURVE	YOR C	ERTIF	ICATION				
								I hereby certify th	at the wel	l location	shown on this plat				
								me or under my	supervision	r and th	al surveys made by hat the same is true				
				1				and correct to the b	est of my bei	uef.					
· · · · · · · · · · · · · · · · · · ·								Date of Survey							
								Signature and Seal	of Profess	ional Surv	veyer:				
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	1														
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District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 S. 1st Street, Artesia, NM 88210-2834 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Numb	er		² Pool	l Code		³ Pool Name					³ Pool Name			
	<u>) - 025 - 32</u>	628		<u> </u>	683		, F	RED TANK BONE	SPRING						
⁴ Property	Code					5 Property Na	me			6 V	Vell Number				
1313					CHEC	KERBOARD 23	FEDERAL				11				
7 OGRID						8 Operator Na	me			9	Elevation				
264	35			BURLI	NGTON F	RESOURCES O	IL & GAS COMPA	NY			3739'				
					10 5	Surface Locati	ion		<u>.1</u>						
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								Signature			<u></u>				
								MARIA L. PI	EREZ						
								Printed Name	DEDDESE						
								REGULATORY REPRESENTATIVE							
								<u>11-19-97</u>							
								Date							
								18 SURVE	YOR CER	RTIFI	CATION				
								¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this was plotted from field notes of actual surveys mad							
								was plotted from me or under my s and correct to the be	upervision, a	and the	at the same is true				
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BURLINGTON RESOURCES OIL & GAS COMPANY, OGRID NO. 26485 APPLICATION FOR ADMINISTRATIVE APPROVAL TO DOWNHOLE COMMINGLE THE <u>CHECKERBOARD 23 FEDERAL #11, (PROPERTY CODE 13136)</u> B, 23, T22S, R32E LEA COUNTY, NM

OFFSET OPERATOR NOTIFICATION:

POGO PRODUCING COMPANY P. O. BOX 10340 MIDLAND, TEXAS 79702

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ADDITIONAL DATA FOR DOWNHOLE COMMINGLING CHECKERBOARD 23 FEDERAL NO. 11

Burlington Resources Oil & Gas Company respectfully submits the following:

The estimated bottomhole pressures for the perforations in the Bone Spring for the above referenced well are calculated off the actual BHP for the Checkerboard 23 Federal well(s) no. 1, 2, & 3. As indicated on the application for the referenced Checkerboard wells, the original BHP is an average of 3900, and the current BHP today is approximately 2087. We anticipate the well to come in flowing but eventually will have to be put on artificial lift. The estimated gravity for the Delaware zone is \pm 41. Based off figures from the Bone Spring production in the # 1,2, & 3, we anticipate the Bone Spring perfs in this well to be approximately 20 bbls oil, 25 mcf, and 86 water. This would make the allocation factors for the downhole commingling of the Checkerboard 23 Federal No. 11 to be as follows:

Delaware:70% oil and 50% gas (based on average production of 37 oil, 90 mcf)Bone Spring:30% oil and 50% gas

We submit the production graph information for the number 11 based on current Delaware production and proposed Bone Spring production. The referenced Checkerboard wells are tracking the same trend geologically as this Checkerboard well, maybe even slightly updip, so the production figures are comparative.