DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107-A New 3-12-96

OIL CONSERVATION DIVISION APPROVAL PROCESS:

DISTRICT II

811 S. First St., Artesia, NM 88210-2835

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

TYPE OR PRINT NAME MARIA L. PEREZ

2040 S. Pacheco Santa Fe, New Mexico 875054-6429

APPLICATION FOR DOWNHOLE COMMINGLING

X Administrative Hearing

EXISTING WELLBORE

<u>X</u>YES ___NO

BURLINGTON RESOURCES OIL & Coperator	GAS COMPANY P.O.	Box 51810 Midland, TX 797	710-1810
CHECKERBOARD 23 FEDERAL	11 B,	23 T22S R32E Sec - Twp - Rge	LEA CO., NM
OGRID NO 26485 Property Co	de <u>13136</u> API NO. <u>30-0</u>	Spacing	Unit Lease Types: (check 1 or more) X. State (and/or) Fee
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1 Pool Name and Pool Code	WEST RED TANK DELAWARE 51689		RED TANK BONE SPRING 51683
Top and Bottom of Pay Section (Perforations)	8474 * - 8524 *		9825'-9915'
3. Type of production (Oil or Gas)	OIL		OIL
Method of Production (Flowing or Artificial Lift)	ARTIFICIAL LIFT		ARTIFICIAL LIFT
Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing:	a. (Current) 1200 PSI EST.	a.	a. 3925 PS1 EST.
Measured Current All Gas Zones: Estimated Or Measured Original	b. ^(Original) 3475 PSI EST.	b.	b.
6. Oil Gravity (PAPI) or Gas BTU Content)	40 DEG.		40 DEG
7 Producing or Shut-In?	PRODUCTION		TO BE COMPLETED
Production Marginal? (yes or no)	Yes		Yes
If Shut-In, give date and oil/gas/ water rates of last production	Date:	Date:	Date:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	nates.	Rates:	Rates:
If Producing, give date and oil/gas/water rates of recent test (within 60 days) **The producing of the product of the produc	Date: 10-20-97 Rates: 18 BOPD, 0 BWPD, 90 MCFPD	Date: Rates:	Date: TO BE COMPLETED Rates:
Fixed Percentage Allocation Formula -% for each zone	Oil: 70 % Gas: 50 %	Oil: Gas: %	SEE ATTACHED Oil: Gas: 50 %
If allocation formula is based usubmit attachments with support	inon something other than curre	ent or past production, or is ba nethod and providing rate proje	and upon some other method
 Are all working, overriding, and rought for the second of t	yalty interests identical in all command royalty interests been notified	ningled zones?	X YesNo YesNo X YesNo
 Will cross-flow occur? Y flowed production be recovered. 	es x No If yes, are fluids and will the allocation formula be	compatible, will the formations n reliable. Yes	
12. Are all produced fluids from all co		each other? <u>x</u> Y	es No
13. Will the value of production be dec	• • •	Yes <u>x</u> No (If Yes,	-
Officed States bureau of Land Man	lagement has been notified in writi	ing of this application. $\underline{\chi}$ Yes	No No
5. NMOCD Reference Cases for Rule	303(D) Exceptions: ORD	ER NO(S)	
* For zones with no prod * For zones with no prod * Data to support allocation list of all of	o be commingled showing its space to be commingled showing its space to zone for at least one year. (If it uction history, estimated production method or formula.) If set operators. Sing, overriding, and royalty interesting, data, or documents required to	not available, attach explanation.) on rates and supporting data.	
hereby certify that the information ab	ove is true and complete to the be	est of my knowledge and belief.	
SIGNATURE Mana L.	Pers	TITLE REGULATORY REP.	DATE <u>11-19-97</u>

TELEPHONE NO. (915) 688-6906

District I

PO Box 1980, Hobbs, NM 38241-1980

District II

811 S. Ist 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 Departm.

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		² Poo	l Code			3.0		<u> </u>		
							³ Pool Name					
30 - 025 - 32628 51689							WEST RED TANK DELAWARE					
	Flopelly Name						Name	⁶ Well Number				
13136 CHECKERBOARD 23 FEDERA							RD_23_FEDERAL 11					
7 OGRID No. 8 Operator N							erator Name 9 Elevation					
2648	35			BURLI	NGTON	RESOURCES OIL & GAS COMPANY				3739'		
					10	Surface Loc	ation			L	3733	
UL or lot no.	Section	Townshi	p Range	Lot. I	dn	Feet from the	North/South Line	Feet from the	East/W	est line	County	
В	23	22S	32E			660	NORTH	1980	EA		LEA	
			11	Bottom F	Tole L	ocation If Dif	ferent From Surface	1	1	31 1	LEA	
UL or lot no.	Section	Townshi						· · · · · · · · · · · · · · · · · · ·				
	Socion	TOWNSIN	p Range	Lot. I	an	Feet from the	North/South Line	Feet from the	Feet from the East/W		County	
12 Dedicated Acre	137	t or Infill	1140 414									
	Join	r or mill	14 Consolidat	ion Code	15 Orde	er No.						
40												
NO ALLOW	ABLE V	VILL BE	ASSIGNE	D TO TH	IIS CO	MPLETION	UNTIL ALL INT	ERESTS HAV	F REEN	J CON	SOLIDATED	
		OR A	NONST	ANDAR	D UN	IT HAS BEE	N APPROVED BY	Y THE DIVISION	ON	1 CON	SOLIDATED	
								· · · · · · · · · · · · · · · · · · ·				
	Ì			1				OPERA	TOR CE	ERTIFI	CATION	
	j							I hereby certify to true and complete	hat the ing	formation st of my k	contained herein is nowledge and betief	
	1			1						, ,	The second of	
					Ο,							
•						1						
				H								
								11	ر ،	0 4	<i>)</i>	
					*		· · · · · · · · · · · · · · · · · · ·	Maria	<u>. Z</u>		era	
				1		1		Signature) 11	

Printed Name
REGULATORY REPRESENTATIVE

Title 11-19-97

MARIA L. PEREZ

Date

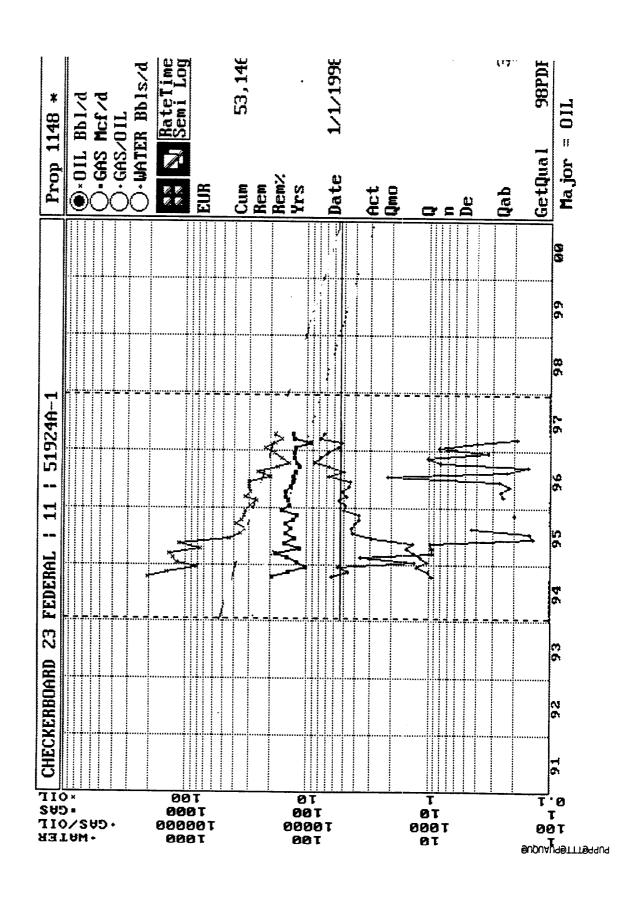
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyer:

Certificate Number



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

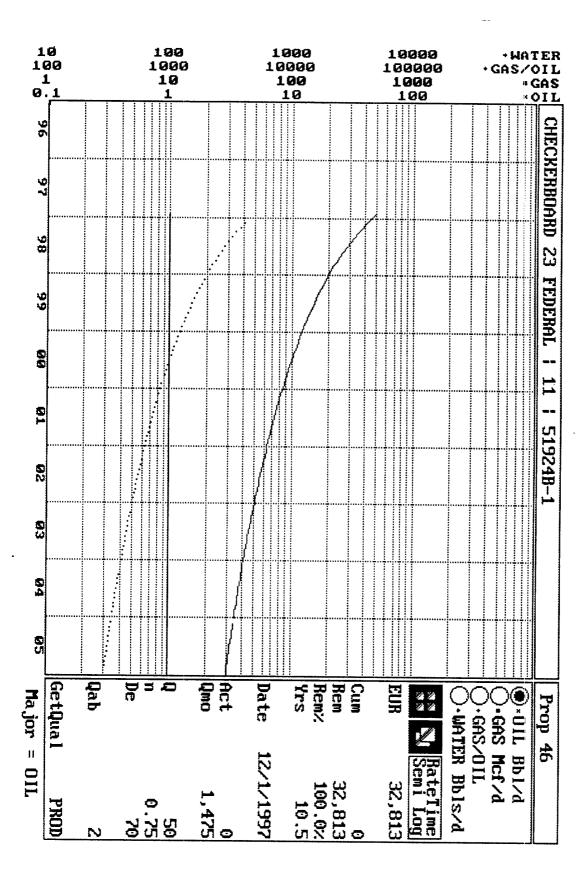
State Lease - 4 Copies Fee Lease - 3 Copies

ı		AMENDED	REPORT
---	--	---------	--------

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number				² Poo	l Code		³ Pool Name					
30-025-32628 51683							RED TANK BONE SPRING					
⁴ Property	Code					5 Property Na	Name 6 Well Number					
	13136 CHECKERBOARD 23 FEDERAL							11				
7 OGRID	GRID No. 8 Operator Name									9 Elevation		
2648	35			BURLI	BURLINGTON RESOURCES OIL & GAS COMPANY					3739 [,]		
·					10	Surface Locat				0.03		
UL or lot no.	Section	Townshi		Lot. I	dn	Feet from the	North/South Line	Feet from the	East/West lin	ne County		
В	23	225		_ <u>L</u>		660	NORTH	1980	EAST	LEA		
			11	Bottom F	lole L	ocation If Diffe	erent From Surface	ce				
UL or lot no. Section		Townshi	p Range	Lot. I	dn	Feet from the	North/South Line	Feet from the	East/West lin	ne County		
12 Dedicated Acre	nt or Infill	14 Consolidati	on Code	15 Orde	er No.	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
40												
NO ALLOV	VABLE	WILL BE	ASSIGNE I	TO TE	IIS CO	MPLETION U	JNTIL ALL INT	ERESTS HAV	E BEEN CO	NSOLIDATED		
		OR A	NONST	ANDAR	D UN	IT HAS BEEN	APPROVED BY	THE DIVISION	ON			
							L	I hereby certify t	TOR CERTI	FICATION ion contained herein is by knowledge and belief.		
•					•				. A/	,		

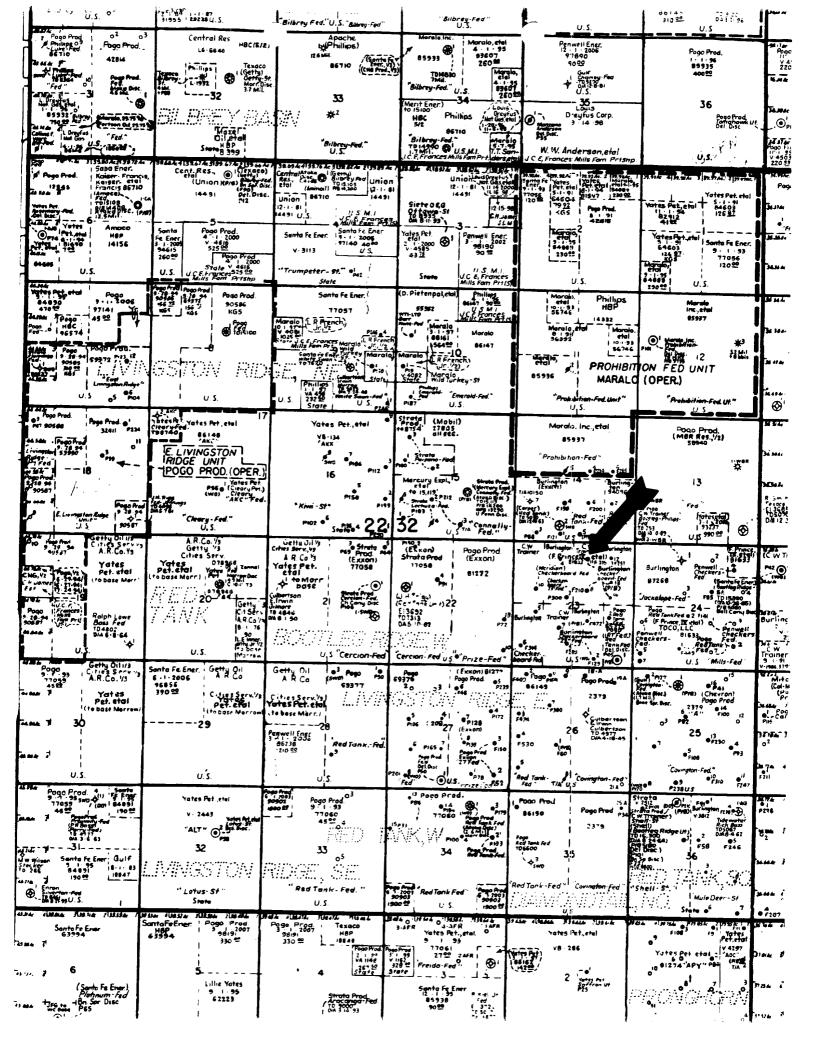
I hereby certify that the information contained heren is true and complete to the best of my knowledge and belief. Signature MARIA L. PEREZ Printer Name REGULATORY REPRESENTATIVE Title 11-19-97 Date 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was platted from field notes of social surveys made by me or under my supervasion, and that the same is true and correct to the best of my plate notes of social surveys made by me or under my supervasion, and that the same is true and correct to the best of my plate of the state of the same is true. Date of Survey Signature and Seal of Professional Surveyer:



BURLINGTON RESOURCES OIL & GAS COMPANY, OGRID NO. 26485 APPLICATION FOR ADMINISTRATIVE APPROVAL TO DOWNHOLE COMMINGLE THE CHECKERBOARD 23 FEDERAL #11, (PROPERTY CODE 13136) B, 23, T22S, R32E LEA COUNTY, NM

OFFSET OPERATOR NOTIFICATION:

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



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 +/- 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.