Submit 3 Copies to Appropriate	State of New Ener Minerals and Natur	w Mexico ral Resources Department	Form C 103 Revised 1-1-89				
District Öffice <u>DISTRICT</u> I P.O. Box 1980, Hobbs, NM S8240	OIL CONSERVA P.O. Boy	x 2088	WELL API NO.	0-025-35176			
P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Me	xico 87504-2088	5. Indicate Type of				
DISTRICT T11 1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas I	STATE FEE			
( DO NOT USE THIS FORM FOR PF DIFFERENT RES (FORM	FICES AND REPORTS ON OPOSALS TO DRILL OR TO DEE ERVOIR. USE •APPLICATION FO C-101) FOR SUCH PROPOSALS.)	EPEN OR PLUG BACK TO A	7. Lease Name or U	nit Agreement Name			
1. Type of Well: Oil Well Well Gas Well	OTHER		0	xy State F-1			
2. Name of Operator	<u> </u>		8. Well No.	//1			
Conoco Inc.	······		9. Pool name or Wi	#1			
3. Address of Operator 10 Desta Dr. Ste 100W, Midla	ind, Tx., 79705-4500			kard 29760/Hardy Blinebry			
4. Well Location			1.5				
Unit Letter X 990	Feet From The Sou	1th Line and 9	IS Feet From 7	The <u>East</u> Line			
Section 1	Township 21S	505	NMPM	Lea County			
	10. Elevauon (Show wh	hether DF, RKB. RT, GR, ctc.)		///////////////////////////////////////			
NOTICE OF IN         PERFORM REMEDIAL WORK         TEMPORARILY ABANDON         PULL OR ALTER CASING         OTHER:         Downhole         12. Describe Proposed or Completed O	PLUG AND ABANDON CHANGE PLANS Commingle	SUB REMEDIAL WORK COMMENCE DRILLING CASING TEST AND CO OTHER	BSEQUENT RE	PORT OF:			
Conoco proposes to downhole com and the Hardy Blinebry. Both pool Oil Hardy Blinebry: 33% Hardy Tubb Drinkard 67%	mingle the Hardy Tubb Drink	ard ship is the same. The Alloc	cation percentages:				
		***Only ]	District approval is	RECEIVED necessary Hobbs OCD			
DHC Order	No. HOB-00	48					
12. I hereby certify that the information above is signature	NEA STAIN II		ory Agent	October 8, 2002			
TYPE OR PRINT NAME Kay Maddox				TELEPHONE NO. (915) 686-5798			
(this space for State Use)		ORIGINAL SIGNED PAUL F KAUTZ	BY	OCT 2 4 2002			
APPROVED BY		- "PETROLEUM ENGL	VEED	— DATE			

DÍSTRICT I		lew Mexico	Form C-107-A	
PO B. x 1980, Hobbs, NM 88241 1980		ural Rasources Department	New 3-12-96	
BITRICT II		ATION DIVISION	- APPROVAL PROCESS:	
B11 SouthI First St. Artesia NM 88210 2835	2040 S Santa Fe, New N			
DISTRICT III 1000 Rio Brazos Rd. Aztec, NM 87410 1693	APPLICATION FOR DO			
1000 Rid Blazos Ru. Aziec, Nin 87410 1093				
	1(	D Desta Dr. Ste 100W, Midlan	d, Tx. 79705-4500	_
Oxy State F-1	# 1	Section 1, T-21-S, R-36-E,	W Lea	
Lease	Well No Unit	Ltr Sec Twp Rge Spacin	County g Unit Lease Types: (check 1 or more)	
OGRID NO. 005073 Property Coo	de26605 API NO	30-025-35176 Federal	, State 🔀 (and/or) Fee	
The following facts ate submitted in support of downhole commingilng:	Upper Zone	intermediate Zone	Lower Zone	
1. Pool Name and Pool Code	Hardy Blinebry 29710		Hardy Tubb Drinkard 29760	
2. TOP and Bottom of		<u> </u>	23700	
Pay Section (Perforations)	5688-5832'		6436-6807'	
3. Type of production (Oil or Gas)	Oil		Oil	
4. Method of Production {Flowing or Artificial Lilt}				
	Artificial Lift		Artificial Lift	
5. Bottomhole Pressure	a (Current)	a.	a.	
Oil Zones - Artilicial Lift: Estimated Current Gas & Oil - Flowing:	2170		1480	
All Gas Zones: Measured Current	b(Original)	b.	b.	
Estimated Or Measured Original	·······			
6. Oil Gravity (*API) or Gas BT Content	38		38E	
7. Producing or Shut-In?			Producing	
Production Marginal? (yes or no)			No	
<ul> <li>If Shut-In give date and oil/gas/</li> </ul>	Date	Date	Date 10/7/2002	
water rates of lsst production	Rates	Rates:	Rates	
Note For new zones with no production hiStory applicant shad be required to attach production estimates and supporting dara				
· If Producing, date and oil/gas/	Dale	Dale	Date 10/7/2002	
water rates of recent test oil/gas/ (within 60 days)	Rates	Rates	Rates 72 BOPD, 46 BWPD, 165 MCFPD	
8 Fixed Percentage Allocation	oil: Gas	oil: Gas	oil: Gas	
8. Fixed Percentage Allocation Formula -% or each zone	33 <sup>%</sup> 30 <sup>%</sup>	% %	67 <sup>%</sup> 70 <sup>%</sup>	
<ol> <li>If allocation formula is based using submit attachments with supp</li> </ol>	upon something other than curr orting data and/or explaining r	rent or past production, or is b nethod and providing rate proj	ased upon some other method, ections or other required data.	
10. Are all working, overriding, an		all commingled zones?	X Yes No Yes No Yes X No	
Have all offset operators been	given written notice of the prop	posed downhole commingling?		۶
1. Will cross-flow occur? Y flowed production be recovered	es $\underline{X}$ No if yes, are fluids co		ot be damaged, will any cross- No (If No, attach explanation)	
2. Are all produced fluids from a	Il commingled zones compatibl	le with each others X	Yes No	
3. Will the value of production be	e decreased by commingling?	Yes _X_No (If Ye	es, attach explanation)	e e
4. If this well is on, or communiti United States Bureau of Land	ized with, state or federal land Management has been notifie	s, either the Commissioner of d in writing of this application	Public Lands or the	
5. NMOCD Reference Cases for		ORDER NO(S).	<u></u> 10010	
6. ATTACHMENTS	()			
* C-102 for each zone	e to be commingled showing it	s spacing unit and acreage de	dication.	
* For zones with no p	or each zone for at least one ye production history, estimated p cation method or formula.	roduction rates and supporting	g data.	
<ul> <li>Notification list of a</li> </ul>	all offset operators.			
<ul> <li>Notification list of</li> <li>Any additional state</li> </ul>	working, overriding and royalt ements, data, or documents req	y interests for uncommon inter uired to support commingling	rest cases.	
-	·····			
hereby certify that the information	on above is true and complete	to the best of my knowledge a	nd belief.	
Min M	Adal			
GIGNATURE ////////////////////////////////////	MUUFX	TITLE Regulatory Agent	DATE October, 2002	
	dox		(A.F)	
YPE OR PRINT NAME Kay Mad	uux	TELEPHONE NO.	(915) 686-5798	

# Oxy State F1 #1

## **Commingle Application Discussion**

## Summary

The Oxy State F1 #1 is located at 990' FSL & 915' FEL of Section 1-T21S – R36E, Lea County, NM. The well was perforated and acidized in the lower and middle Abo formations which only tested water. The lower and middle Abo was abandoned with CIBP's and cement. The upper Abo was then completed and production proved to be marginal after 3 months of testing. In September 2001, the upper Abo was abandoned and the Hardy Tubb-Drinkard was completed. Additional pay was added in the Hardy Tubb-Drinkard in September 2002. It is now planned to complete the Oxy State F1 #1 in the Hardy Blinebry pool. We request approval of this application to commingle the Hardy Tubb-Drinkard and the Hardy Blinebry pools.

#### Discussion

The Hardy Tubb-Drinkard has been producing since September 12, 2002 and has reached a stabilized rate of 72 BOPD, 165 MCFPD, and 45 BWPD. Please see attached production test for the Oxy State F1 #1 Hardy Tubb-Drinkard.

The Hardy Blinebry has not been completed in the Oxy State F1 #1, however it was recently completed in an offset well. The State F1 #11 is currently producing from the Hardy Blinebry at rates of 36 BOPD and 70 MCPD(please see attached production test for the State F1 #11 Hardy Blinebry). The State F1 #11 is located  $\frac{1}{2}$  mile NW of the Oxy State F1 #1 (please see attached well location map). Based on well logs, the performance of the Hardy Blinebry in both the Oxy State F1 #1 and the State F1 #11 is expected to be comparable.

Using the production tests from the Hardy Tubb-Drinkard(72 BOPD, 165 MCFPD) in the Oxy State F1 #1 and from the Hardy Blinebry(36 BOPD, 70 MCFPD) in the State F1 #11, a fixed percentage allocation is recommended for the Oxy State F1 #1 as follows:

	Fluid	Percent Allocation
Hardy Bline bry	Gas	
Hady Blifebry	Oil	1 1 1 3 3 2 4 Thinks
Hanny Tuble Drinkard	Gas	144 AL 702 AL
Hardy Tubb Drinkard	Oil	67%

### **Supporting Details**

- 1. Oxy State F1 #1 Hardy Tubb-Drinkard pool production test
- 2. State F1 #11 Hardy Blinebry pool production test
- 3. T21S-R36E Section 1 well location map

MORNING REPORT														
WELL NAME	VELL NAME & NUMBER Oxy State F1 #1 FORMATION Tubb-Drinkard													
			-			DIL CUME	1459		MISC	ELLA	VEOUS I	NOTES:		
						OWABLE		BOPD	1					
		ΤΟΤΑ	L ALLC	WABLE	OIL PE	R MONTH	_							
ESTIN		VTHL'	Y OIL T	OTAL A	T PRESE	ENT RATE	2395							
						AS CUME	2477	MCF						
1				DAILY (	GAS ALL	OWABLE		MCFD	-					
		F	RODU	CING D	AYS THE	S MONTH	31							
	т					R MONTH		MCF						
	Month-													
	end prod.											Percent		
Date	Est.	OIL	WTR	wc	GAS	GLR	SUBMG	Тр	Ср	FLP	Choke	Run Time	REMARKS	
Date			_										Started flowing casing, flowed for 6hrs. Shut	
													well back in, water leak at battery coming off	
9/12/02		0	0		0			730	730	80	14/48		the treater water line going to rice	
9/13/02		0	0		25			630	630	80			Put well on line this day	
9/16/2002	18	18	3	14%	25	1190.48	4710	275	35	35		100%	Rupture disk blown, replaced	
9/10/2002			- <b>-</b>	1470									Well was flowing up casing, pump action is	
0/17/0000	33	33	36	52%	11	160.87	4511	275	40	40		96%	weak	
9/17/2002		33		52 /0									Rupture disk blown, replaced ,well is surging	
0/10/0000	10	19	9	32%	54	1928.57	2372	325	320	60	13/48	75%	up casing knock out rupture disk	
9/18/2002	<u>19</u> 98	98	42	30%	176	1257.14	547	325	360		17/48	75%		
9/19/2002	98	90	42	30 /0	1/0	1237.14							Rupture disk blown, replaced, well went bck to	
	000	000	000	36%	500	886.525	1086	420	40	40	20/48	75%	pumping Production is for 3 days	
9/23/2002	362	362	202	31%	171	977.143	563	420	110		20/48	75%	· · · · · · · · · · · · · · · · · · ·	
9/24/2002	121	121	54	31%	171	5//.145		720	1		20/10		Rupture disk blown, repiped rupture disk into	
				2000	150	1595.74	914	350	45	45	22/48	75%	discharge into line coming off the choke	
9/25/2002	60	60	34	36%	143	1007.04	501	350	60		22/64		No problems	
9/26/2002	90	90	52	37% 46%	143	828.025	476	375	90		30/48	91%	· · · · · · · · · · · · · · · · · · ·	
9/27/2002	84	84	73		176	611.111	375	375	45	45	33/48		3 days production volumns shown	
9/30/2002	135	135	153	53%	152	1093.53	457	375	50	50	33/48	75%		
10/1/2002	96	96	43	31%		1093.53	437	375	50	50	33/48	76%		
10/2/2002	84	84	61	42%	153	1055.17	444	3/5	- 50	- 30	33/40	10%	Well down tanks full.Sunco did not haul tell	
						41 47 06	657	375	50	50	40/48	20%		
10/3/2002	20	20	14	41%	141	4147.06	657 168	375	50	50	40/48	100%		
10/4/2002	95	95	52	35%	140	952.381	100	375	50	50	40/48	92%		
10/5/2002	72	72	48	40%	165	1375	100	375	50	50	full	98%		
10/7/2002	72	72	46	39%	165	1398.31	100	3/5	00	30		30 /0		
L	72					ļ	<u> </u>							
	72						<u> </u>		<u> </u>			<u> </u>		
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L	72			L			<u> </u>	<u> </u>						
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	72			L	ļ	<u> </u>	<u> </u>		<b> </b>		<u> </u>	<u> </u>		
	72			L	L	<u> </u>	L	ļ	<u> </u>		<u> </u>	<u> </u>		
Total	2395	1459	922	1	2477					l	<u> </u>	<u> </u>		

							MOH	RNING								
VELL NAME	& NUMBE	R	State F	1 #11			FORMATION Blinebry									
						DIL CUME		,	MISC	ELLAN	LEOUS	NOTES:				
						OWABLE		BOPD								
						R MONTH										
ESTIN	ATED MON	VTHLY	OIL TO	OTAL A	T PRESE	NT RATE	1202									
						AS CUME	1509	MCF	1							
				DAILY	GAS ALL	OWABLE		MCFD	1							
		F	PRODU	CING D	AYS TH	S MONTH	31									
	тс		ALLOW	ABLE	GAS PER	R MONTH	·	MCF					·			
	Month-															
	end prod.											Percent				
Date	Est.	OIL	WTR	wc	GAS	GLR	SUBMG	Тр	Ср	FLP	Choke	Run Time	REMARKS			
9/6/02			_				4283	0	vac				Started pu after well service			
3/0/02													put well thru test unit put on Delta X pumpin			
9/9/02		0			0		2261	350	200	50	n/a	35%	all water			
	46	46	52	53%	139	1418.37		325	50	50	n/a	79%				
9/10/2002	40	40		00/0					<u> </u>				Delta X failed, well not pumping , lowered			
0/11/0000	5	5	19	79%	12	504.167	1210	325	50	50	na	20%	rods.			
9/11/2002		-5 72	84	54%	54	346.154	428	325	171	50		67%				
9/12/2002	72			37%	91	728	946	325	40	50		76%				
9/13/2002	79	79	46	72%	111	623.596	1107	325	41	50		84%				
9/16/2002	50	50	128			516.908	900	325	58	54		91%				
9/17/2002	50	50	157	76%	107			325	63	63	<u> </u>	48				
9/18/2002	30	30	109	78%	58	417.266	654	325	33	33		91%				
9/19/2002	30	30	101	77%	49	374.046	555		40	<u> </u>			Production for 3 days			
9/23/2002	130	130	465	78%	189	317.647	824	325	40	40		91%				
9/24/2002	32	32	124	79%	54	346.154	826	325				91%				
9/25/2002	32	32	115	78%	56	380.952	946	325	46	46	<u> </u>	91%				
9/26/2002	14	14	131	90%	50	344.828	887	325	48	48	<u> </u>					
9/27/2002	36	36	158	81%	59	304.124	649	325	48	48		91%				
9/30/2002	94	94	345	79%	156	355.353	667	350	49	49		100%				
10/1/2002	36	36	110	75%	56	383.562	661	350	50	50		100%				
10/2/2002	35	35	59	63%	53	563.83	721	350	50	50	L	100%				
10/3/2002	18	18	59	77%	47	610.39	662	350	50	50			Changed spm to 9.75spm			
10/4/2002	35	35	110	76%	40	275.862	124	350	50	50			Well down 2 hrs			
10/5/2002	38	38	117	75%	64	412.903	110	350	50	50		98%				
10/7/2002	34	34	136	80%	64	376.471	120	350	50	50	L	68%				
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	34		<u> </u>	<u>├</u> ───	<u>├</u> ──	<u> </u>										
	1202	896	2625	<u> </u>	1509	<u> </u>	<u> </u>		1	<u> </u>		<u> </u>				



October 8, 2002

A copy of the C-103 application to downhole commingle the following wells has been sent to the Commissioner of Public Lands for the State of New Mexico.

State F-1 # 15 Oxy State F-1 #1 State F-1 #11

Form C-102

District I POBox 1980, Hobbs. NM 88241-1980

District II PODrawer DD, Artesia, NM88211-0719 District III 1000 Rio Brazos Rd. Aztec, NM87410 District IV PO Box 2088, Santa Fe. NM 87504-2088 State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Revised February 21, 1994 instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

] AMENDED REPORT

AP! Number     2 Pool Code     3 Pool Name       30-025-35179     29710     Hardy Blinebry       4 Property Code     5 Property Name     8 Well Number       26605     Oxy Sinte F-I     # 1       7 09RD We.     9 Operator Name     9 Elevation       00:073     Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500     3497       U. of Name       VL of Name     Section       Nomber       10 Surface Location       VL of Name       VL of Name
---

Form C-1

District | PC Box 1980, Hobbs. NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd. Aztec, NM 87410 District IV PO Box 2088, Santa Fe. NM 87504-2088 State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Revised February 21, 19 instructions on ba Submit to Appropriate District Off State Lease - 4 Cop Fee Lease - 3 Copi

AMENDED REPOF

		WE	ELL LO	CATIO	N AND A	CR	EAGE DEDI	CATION PI	LAT					
AF	Pl Numbe	er		2 Pool	Code	3 Pool Name								
30-	025-351	76		29760		Hardy Tubb Drinkard								
4 Property (	Code						Name		6 Well Number					
26605					Oxy			<u> </u>			#1			
7 OGRID №.		~			•		or Name		_	9 E	levation			
005073		Conc	bco Inc.,	10 Desta	· · · · · · · · · · · · · · · · · · ·		W, Midland, T	x /9705-4500	)		3497'			
	Continu	T		· · · · · · · · · · · · · · · · · · ·			Location							
UL er lat eo.	Section	Township	Range	Lot Idn	Feet from th		North/South line	Feet from the	East/We	st line	County			
X	1	21S	36E		990		South	915	Ea	st	Lea			
UL or lot no.	Section	Township	11 BO Range	Lot Idn	E LOCATIC		Different Fro	Feet from the	East/Wes	A 15				
	000000	romonip	Hango	Lot Idii			Hora Bobali Mile	reet nom the	Lastives	at iine	County			
12 Dedicated Acres	13 Join	t or infit 14	Consolidatio	n Code 15 (	Order No.					<u> </u>	l			
40														
	ABLE V	VILL BE A	SSIGNE	D TO THI	S COMPLE	TION	N UNTIL ALL I	NTERESTS HA	AVE BEE	N CON	SOLIDATED			
		OR A 1	NON-STA	ANDARD	UNIT HAS	BEE	N APPROVED	BY THE DIVI	SION		COLIDITIED			
16								17 OPEF	RATOR	CERT	IFICATION			
								I hereby certif	fy that the inf	ormation c	ontained herein is			
								true and comp	lete to the be	st of my kn	owledge and belief			
									/	,				
					<u>_</u>			- Kin	1 M	i data (	0			
								Signature		<u> </u>				
								Printed Name		Maddox				
									Regulat	ory Age	nt			
								Title						
								Date	Augus	t 7, 200				
										-	FICATION			
								I hereby certif	fy that the we om field notes	ll location of actual s	shown on this plat urveys made by me			
								or under my s	upervision, a	nd that the	same is true and			
								correct to the	best of my be	lief.				
								Date of Surve	v					
				_				Signature and	-	ssional Su	rveyor:			
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