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OATE IN 9	15/97	SUSPENSE 9/25/97		-	LOGGED BY	M	TYPE	DHC			
·····		<u> </u>	ABOVE THIS LINE FOR DIV	ISION USE ONLY							
	NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -										
		ADMINISTRATI	/E APPLIC	ATION	I COVE	RSHEE					
Applicatio	on Acronyms: [DHC-Do [PC-I	EET IS MANDATORY FOR ALL ADMI [NSP-Non-Standard [DD-Directiona wnhole Commingling] [0 Pool Commingling] [0LS [WFX-Waterflood Expa [SWD-Salt Water ualified Enhanced Oil Re	Proration Unit] I Drilling] [SD- CTB-Lease Co S - Off-Lease S ansion] [PMX-P Disposal] [IPI-	[NSL-No Simultane mmingling Storage] [0 Pressure M Injection	on-Standaro cous Dedic g] [PLC-Po OLM-Off-Lo Aaintenanc Pressure li	d Location] ation] ol/Lease Co ease Measu e Expansion ncrease]	irement] 1]	mendod 42 ng] DHC-42			
[1]]	F YPE OF AF [A]	PLICATION - Check Location - Spacing U NSL NSP						<u>1 V E</u> 5 1997			
	Check [B]	One Only for [B] and Commingling - Stora DHC CTB		ement	• OLS			ION DIVISION			
	[C]	Injection - Disposal		rease - E							
[2]	NOTIFICAT [A]	TON REQUIRED TO					s Not A	pply			
	[B]	Offset Operators,	Leaseholders	or Surfa	ice Owner						
	[C]	Application is Or	ne Which Req	uires Pul	olished Le	gal Notice					
	[D]	U.S. Bureau of Land Ma									
	(E)	Given Service For all of the abo	ve, Proof of N	lotificati	on or Pub	lication is A	Attached	l, and/or,			
	[F]	U Waivers are Atta	ched								
[3]	INFORMA	TION / DATA SUBM	ITTED IS C	OMPLE	TE - State	ement of U	Indersta	nding			

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Jerry W. Hoover	ComMA	OTAL Sr. Conservation Coordinator	sept. 3, 1997
Print or Type Name	Signature	Title	Date

DISTRICT I

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

DISTRICT II 811 South First St., Artesia, NM 88210-2835

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410-1693

Conoco Inc.

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION 2040 S. Pacheco

Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS: Administrative Hearing EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

10 Desta Dr., Ste 100W, Midland, TX 79705-4500 Addee

Operator					
Hawk B-1	16	N 8 T-21-S, R-37-E	Lea County		
OGRID NO. <u>005073</u> Property Co		Spacing L	Jnit Lease Types: (check 1 or more) 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	Blinebry Oil and Gas - 06660	Tubb - 60240	Drinkard - 19190		
2. TOP and Bottom of Pay Section (Perforations)	5652 - 5997'	6304 - 6432'	6533 - 6790'		
3. Type of production (Oil or Gas)	Oil	Oil	Oil		
4. Method of Production (Flowing or Artificial Lilt)	Bean Pump	Bean Pump	Bean Pump		
5. Bottom hole Pressure Oil Zones - Artificial Lift: Estimated Current	a (Current) 400 psia	a. 800 psia	a. 500 psia		
Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b (Original) 2400	ь. 2600	b. 2750		
6. Oil Gravity (°API) or Gas BTU Content	38.7	36	38.7		
7. Producing or Shut-In?	Producing	to be completed	Producing		
Production Marginal? (yes or no)	Yes	Yes	Yes		
 If Shut-In give date and oil/gas/ water rates of last production Note: For new zones with no production history, applicant shall be required to attach production 	Date Rates	Date Incremental Production by Rate: Subtraction	Date Rates		
 estimates and supporting data. If Producing, give date and oil/gas/water rates of recent test (within 60 days) 	Dale Mid-year average Rates producing rates - see attached table & DHC 421	Dale Rates	Date Mid-year average producing rates - see attached table & DHC 421		
8. Fixed Percentage Allocation Formula -% for each zone	•il: Gas %	oil: Gas %	oil: Gas %		
10. Are all working, overriding, an	porting data and/or explaining r id rovalty interests identical in a	nethod and providing rate proje all commingled zones?	ctions or other required data		
If not, have all working, overr Have all offset operators beer	iding, and royalty interests bee given written notice of the proj	en notified by certified mail? posed downhole commingling?	$\frac{x}{\underbrace{x} Yes} \underbrace{Wo}_{No} No$		
11. Will cross-flow occur?	<pre>/es x No If yes, are fluids co ed, and will the allocation form.</pre>	mpatible, will the formations no ula be reliable. Yes	ot be damaged, will any cross No (If No, attach explanation		
12. Are all produced fluids from a	Il commingled zones compatibl	le with each others \underline{x}	res No		

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

14. If this well is 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. <u>X</u>Yes No

15. NMOCD Reference Cases for Rule 303(D) Exceptions:

16. ATTACHMENTS

ORDER NO(S).

IMENTS
* 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 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 Oald

Jerry W. Hoover TYPE OR PRINT NAME

_ TITLE Sr. Conservation Coord. DATE

913197

_TELEPHONE NO. (915)

686-6548

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

Hawk B-1 No.16 Downhole Commingle Application

Blinebry-Drinkard Production Forecast

DECLINE (%/YR)	Oil	0.0943
LOSS RATIO	Oil	0.9057
DECLINE (%/YR)	Gas	0.0881
LOSS RATIO	Gas	0.9119
INITIAL RATE (BOPE INITIAL RATE (MCFI	·	3.5 48.0
NO.MONTHS 1ST YE ECON LIMIT (BOPD)	AR	12 1

Blinebry and Drinkard production allocated as per OCD commingling order DHC-421 dated 8/30/83 for Hawk B-1 No.16

Zone	Oil Percentage	Gas Percentage
Blinebry	15	4
Drinkard	85	96

Year	Forecasted Formation	Oil Annual Decline Constant	Gas Annual Decline Constant	Blinebry Forecasted Oil Production Daily Average (BOPD)	Blinebry Forecasted Gas Production Daily Average (MCFPD)	Drinkard Forecasted Oil Production Daily Average (BOPD)	Drinkard Forecasted Gas Production Daily Average (MCFPD)
12/1997	Blinebry-Drinkard	0.0943	0.0881	0.5	1.8	2.8	44.0
12/1998	Blinebry-Drinkard	0.0943	0.0881	0.5	1.7	2.6	40.1
12/1999	Blinebry-Drinkard	0.0943	0.0881	0.4	1.5	2.3	36.6
12/2000	Blinebry-Drinkard	0.0943	0.0881	0.4	1.4	2.1	33.4
12/2001	Blinebry-Drinkard	0.0943	0.0881	0.3	1.3	1.9	30.4
12/2002	Blinebry-Drinkard	0.0943	0.0881	0.3	1.2	1.7	27.8
12/2003	Blinebry-Drinkard	0.0943	0.0881	0.3	1.1	1.6	25.3
12/2004	Blinebry-Drinkard	0.0943	0.0881	0.2	1.0	1.4	23.1
12/2005	Blinebry-Drinkard	0.0943	0.0881	0.2	0.9	1.3	21.1
12/2006	Blinebry-Drinkard	0.0943	0.0881	0.2	0.8	1.2	19.2
12/2007	Blinebry-Drinkard	0.0943	0.0881	0.2	0.7	1.1	17.5
12/2008	Blinebry-Drinkard	0.0943	0.0881	0.2	0.7	1.0	16.0
12/2009	Blinebry-Drinkard	0.0943	0.0881	0.2	0.6	0.9	14.6
12/2010	Blinebry-Drinkard	0.0943	0.0881	0.1	0.6	0.8	13.3
12/2011	Blinebry-Drinkard	0.0943	0.0881	0.1	0.5	0.7	12.1
12/2012	Blinebry-Drinkard	0.0943	0.0881	0.1	0.5	0.6	11.0
12/2013	Blinebry-Drinkard	0.0943	0.0881	0.1	0.4	0.6	10.1
12/2014	Blinebry-Drinkard	0.0943	0.0881	0.1	0.4	0.5	9.2
12/2015	Blinebry-Drinkard	0.0943	0.0881	0.1	0.3	0.5	8.4
12/2016	Blinebry-Drinkard	0.0943	0.0881	0.1	0.3	0.4	7.6
12/2017	Blinebry-Drinkard	0.0943	0.0881	0.1	0.3	0.4	7.0



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

TONEY ANAYA GOVERNOR

August 30, 1983

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

Administrative Order No. DHC-421

Conoco Inc. P. O. Box 460 Hobbs, New Mexico 88240

Attention: M. K. Mosley

Re: <u>Hawk</u> B-1 Well No. 16, SE/4 SW/4, Sec. 8, T-21-S, R-37-E, Lea County, New Mexico; Drinkard and Blinebry Oil and Gas Pools

Gentlemen:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations for the subject dually completed well to permit the removal of the down-hole separation equipment and to commingle the production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and Division Order No. MC-2693 Form C-107, dated August 1, 1980, which authorized the dual completion and required separation of the two zones, is hereby placed in abeyance.

In accordance with the provisions of Rule 303.C.4., total commingled oil production from the subject well shall not exceed 40 barrels per day, and total water production from the well shall not exceed 40 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by multiplying 4,000 by top unit allowable for the Blinebry Oil and Gas Pool.

changed on the original order by Gilbert Quintana of NMOCD 9-2-83

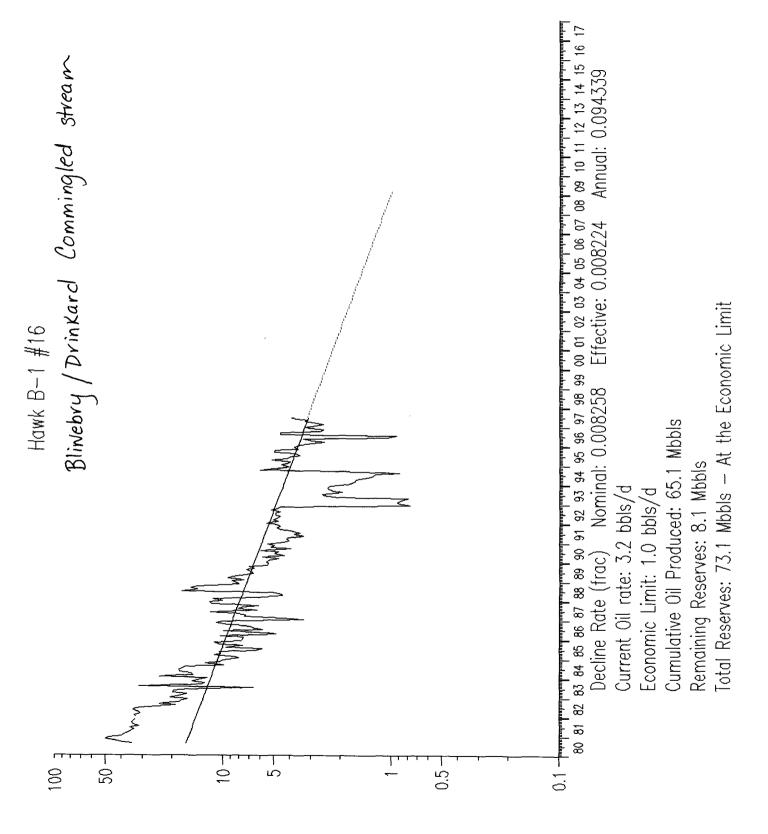
Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Drinkard Pool: Oil 85%, Gas 96% Blinebry Pool: Oil 15%, Gas 4%

Pursuant to Rule 303-C 5, the commingled authority granted by this order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

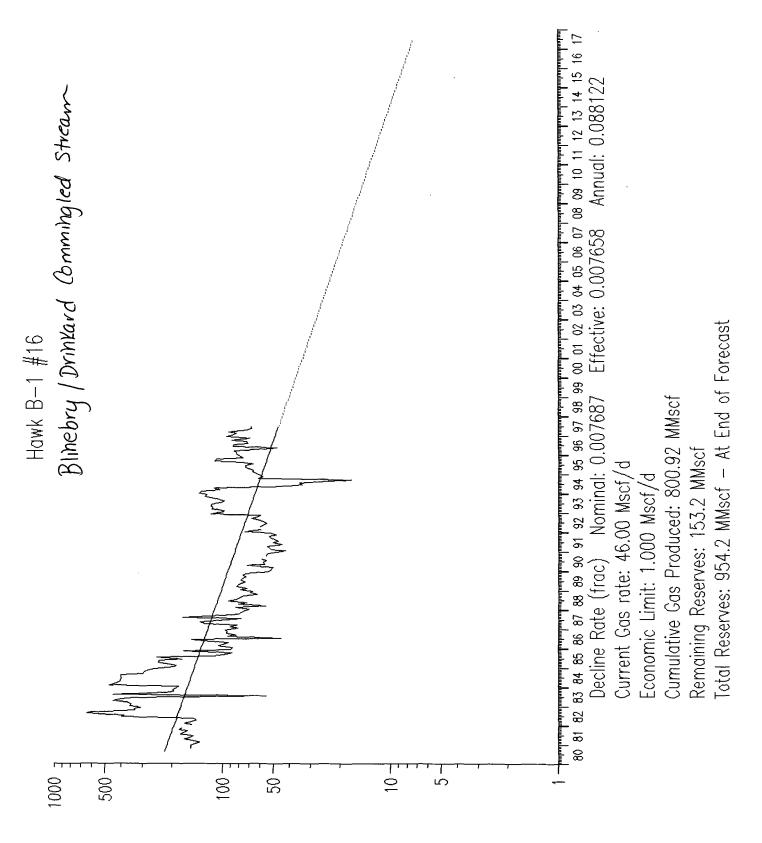
Very truly yours ner JOE D. RAMEY,

Division Director



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Oil Rate (Calendar Day) (bbls)



Cas Rate (Calendar Day) (Msct)

District I

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PO 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, 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

AF		2 Pool Code			3 Pool Name							
	025-2660)1	_	06660				Blinebe	Blineberry			
4 Property (ode				5 Pr	opert	y Name				6 We	ll Number
					Ha	wk B	8-1					16
7 OGRID No.						3 Operator Name 9 Elevati						evation
005073	3	Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500 3502'								3502'		
			10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South lir	ne I	Feet from the	East/We	st line	County
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		· · · · ·	11 Bot	ttom Ho	le Locati	on I	f Different	From	n Surface			•
UL or lot no.	Section	Township	Range	Lot idn	Feet from	the	North/South lin	ne	Feet from the	East/We	st line	County
		ļļ					l					
12 Dedicated Acres	s 13 Join	t or infil 14	Consolidatio	on Code 15	Order No.		·	-	·		<u></u>	.
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NO ALLO	VABLE										EN CON	ISOLIDATED
		OR A 1	NON-ST	ANDARI	DUNIT HA	S BE	EEN APPROV	/ED B	Y THE DIVI	SION		
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WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Lifective 1-1-65

Continer	ntal Oi.	l Company		Legee Hawk	x B 1			Weit the 16	
Thit Letter	Section 8	Township 21	South	Hange 37	East	Jounty	Lea		
Faul Footage Loco 660	ation of Well: feet from the	. South	line and	1980	leet	from the	West	line-	
Jund Lyvei Elev. 3502.8		ing Formation		Pool Drinkard	4			Dedicates Actempts 40	A rea

All distances must be from the outer boundaries of the Section

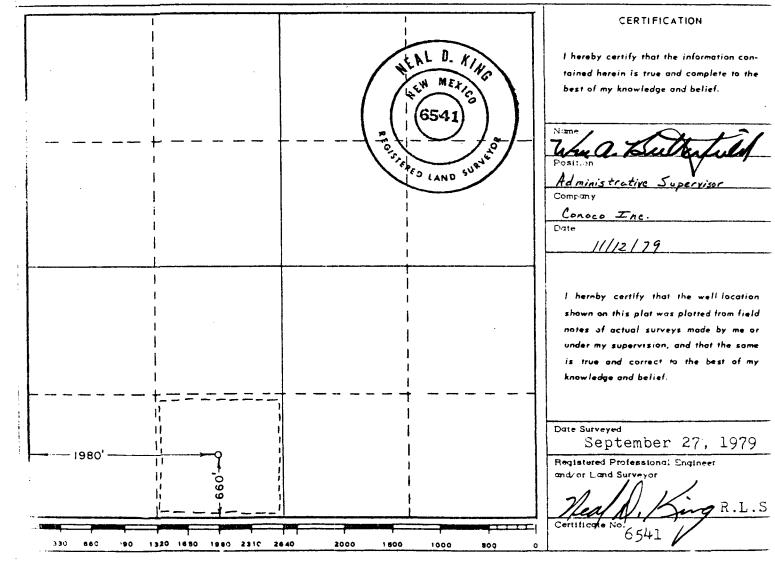
1 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

- 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?
 - Yes No If answer is "yes," type of consolidation _

 $\mathbb{C}[[n]] \to \mathbb{C}[[n]]$

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)_____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Conoco, Inc. Hawk B-1 Well #16 Lea County, New Mexico

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Offset Operators in the Monument Blinebry, Tubb, & Drinkard Pools

Township 21 South, Range 37 East

Conoco Sec 8 J,K,L M, O Texaco Exploration & Production Co. Sec 17 C,D PO Box 1404 Houston, Texas 77251-1404

J.H. Hendrix PO Box 910 Eunice, New Mexico 88231

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Sec 17 B