

DATE IN 9/8/97	SUSPENSE 9/29/97	ENGINEER DC	LOGGED BY KW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

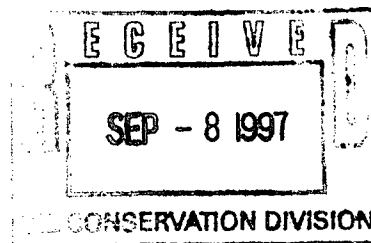
Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

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
 Print or Type Name

Jerry W. Hoover
 Signature

Sr. Conservation Coordinator
 Title

9/14/97
 Date

DISTRICT I
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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Conoco Inc. Address 10 Desta Dr., Ste 100W, Midland, TX 79705-4500

Lease Warren Unit Well No 11 Unit Ltr Sec Twp Rge A, Section 35 T-20-S, R-38-E County Lea

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073 Property Code 03122 API NO. 30-025-07885 Federal ☒ 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	Warren Tubb, East - 87085	Warren Drinkard, East - 63120
2. TOP and Bottom of Pay Section (Perforations)	6026-6301'	6587-6675'	6821-7056'
3. Type of production (Oil or Gas)	Oil	Oil	Oil
4. Method of Production (Flowing or Artificial Lift)	Bean Pump	Bean Pump	Bean Pump
5. Bottom hole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	500 psia	2000 psia	500 psia
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	2460	2600	2760
6. Oil Gravity (°API) or Gas BTU Content	37.2	37.8	37.2
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	Date Rates	Date Rates: Incremental production by subtraction	Date Rates
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.			
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date Rates	Date Rates	Date Rates
	Mid-year average producing rates - see attached table & allocation letter		Mid-year average producing rates - see attached table & allocation letter
8. Fixed Percentage Allocation Formula - % for each zone	oil: % Gas %	oil: % Gas %	oil: % Gas %

9. 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? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No

11. Will cross-flow occur? ☐ Yes ☒ 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)

12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ 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. ☒ Yes ☐ No

15. NMOC 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 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 Jerry W. Hoover TITLE Sr. Conservation Coord. DATE 9/4/97

TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6548

Warren Unit Fisher No.11 Downhole Commingle Application

Blinebry-Drinkard Production Forecast

DECLINE (%/YR) Oil 0.0494
LOSS RATIO Oil 0.9506

Blinebry and Drinkard production allocated as per OCD commingling order dated 1/21/75 for Warren Unit Well No.11

DECLINE (%/YR) Gas 0.0675
LOSS RATIO Gas 0.9325

Zone	Oil Percentage	Gas Percentage
Blinebry	80	10
Drinkard	20	90

INITIAL RATE (BOPD) 3.3
INITIAL RATE (MCFD) 36.5

NO.MONTHS 1ST YEAR 12
ECON LIMIT (BOPD) 1

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	0.0494	0.0675	2.6	3.5	0.6	31.7
12/1998	Blinebry-Drinkard	0.0494	0.0675	2.4	3.3	0.6	29.6
12/1999	Blinebry-Drinkard	0.0494	0.0675	2.3	3.1	0.6	27.6
12/2000	Blinebry-Drinkard	0.0494	0.0675	2.2	2.9	0.6	25.7
12/2001	Blinebry-Drinkard	0.0494	0.0675	2.1	2.7	0.5	24.0
12/2002	Blinebry-Drinkard	0.0494	0.0675	2.0	2.5	0.5	22.4
12/2003	Blinebry-Drinkard	0.0494	0.0675	1.9	2.3	0.5	20.9
12/2004	Blinebry-Drinkard	0.0494	0.0675	1.8	2.2	0.5	19.5
12/2005	Blinebry-Drinkard	0.0494	0.0675	1.7	2.0	0.4	18.1
12/2006	Blinebry-Drinkard	0.0494	0.0675	1.6	1.9	0.4	16.9
12/2007	Blinebry-Drinkard	0.0494	0.0675	1.6	1.8	0.4	15.8
12/2008	Blinebry-Drinkard	0.0494	0.0675	1.5	1.6	0.4	14.7
12/2009	Blinebry-Drinkard	0.0494	0.0675	1.4	1.5	0.4	13.7
12/2010	Blinebry-Drinkard	0.0494	0.0675	1.3	1.4	0.3	12.8
12/2011	Blinebry-Drinkard	0.0494	0.0675	1.3	1.3	0.3	11.9
12/2012	Blinebry-Drinkard	0.0494	0.0675	1.2	1.2	0.3	11.1
12/2013	Blinebry-Drinkard	0.0494	0.0675	1.1	1.2	0.3	10.4
12/2014	Blinebry-Drinkard	0.0494	0.0675	1.1	1.1	0.3	9.7
12/2015	Blinebry-Drinkard	0.0494	0.0675	1.0	1.0	0.3	9.0
12/2016	Blinebry-Drinkard	0.0494	0.0675	1.0	0.9	0.2	8.4
12/2017	Blinebry-Drinkard	0.0494	0.0675	0.9	0.9	0.2	7.8



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501

I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
PHIL R. LUCERO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

January 21, 1975

Mr. V. T. Lyon, Conservation Coordinator
Continental Oil Company
P.O. Box 460
Hobbs, New Mexico 88240


Re: Warren Unit Well No. 11 A,
Section 35-T20S-R38E,
Lea County, New Mexico

Dear Mr. Lyon:

In accordance with the provisions of Commission Order No. R-4912 and the production tests reported in your letter of January 20, 1975, a formula for the allocation of production to the commingled zones in the subject well is hereby approved as follows:

ZONE	OIL PERCENTAGE	GAS PERCENTAGE
Blinebry	80	10
Drinkard	20	90

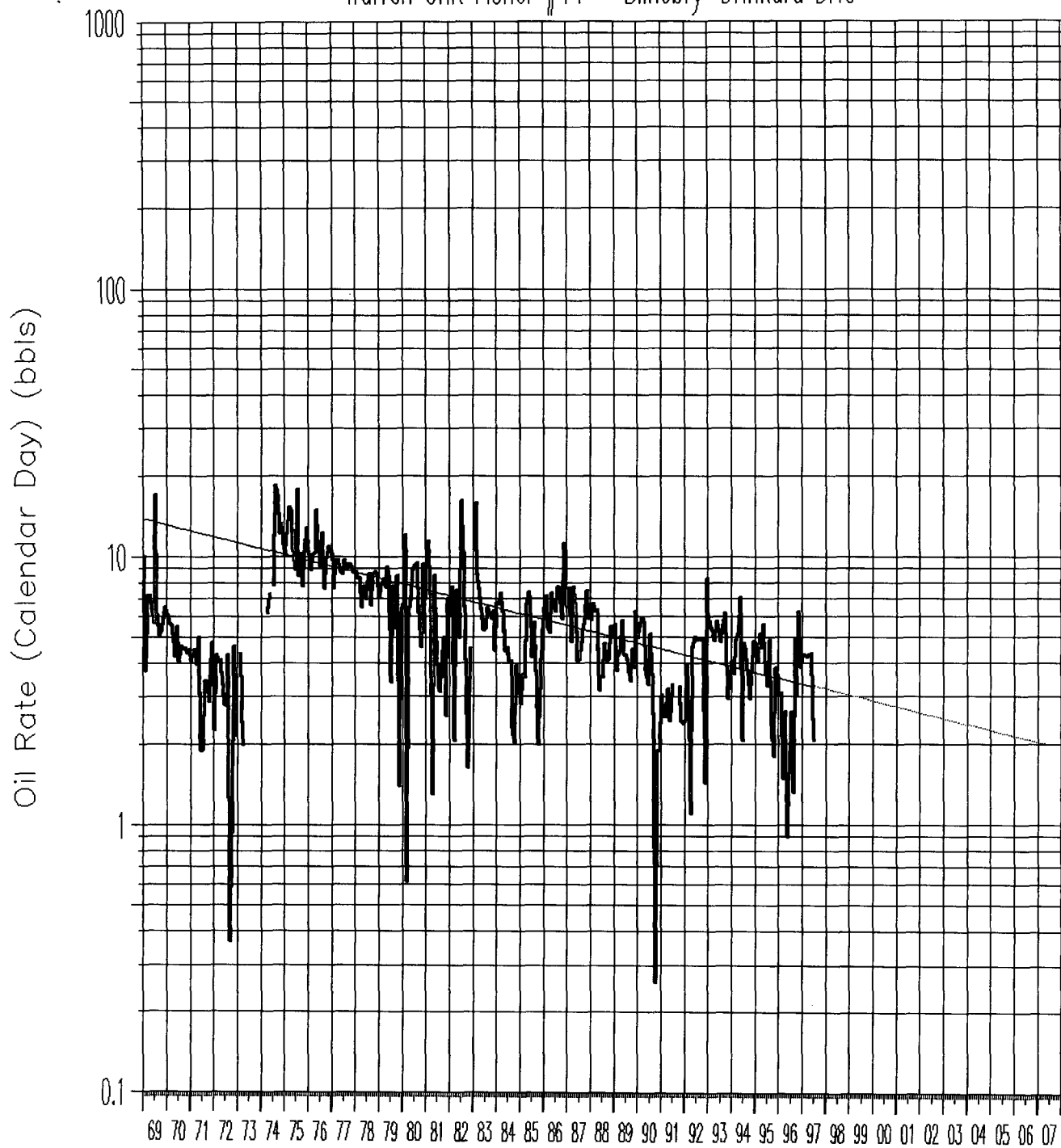
Very truly yours,


A. L. PORTER, Jr.
Secretary-Director

ALP/jr

Conoco Inc.

Warren Unit Fisher #11 - Blinebry-Drinkard DHC



Decline Rate (frac) Nominal: 0.004225 Effective: 0.004216 Annual: 0.049438

Current Oil rate: 3.3 bbls/d

Economic Limit: 2.0 bbls/d

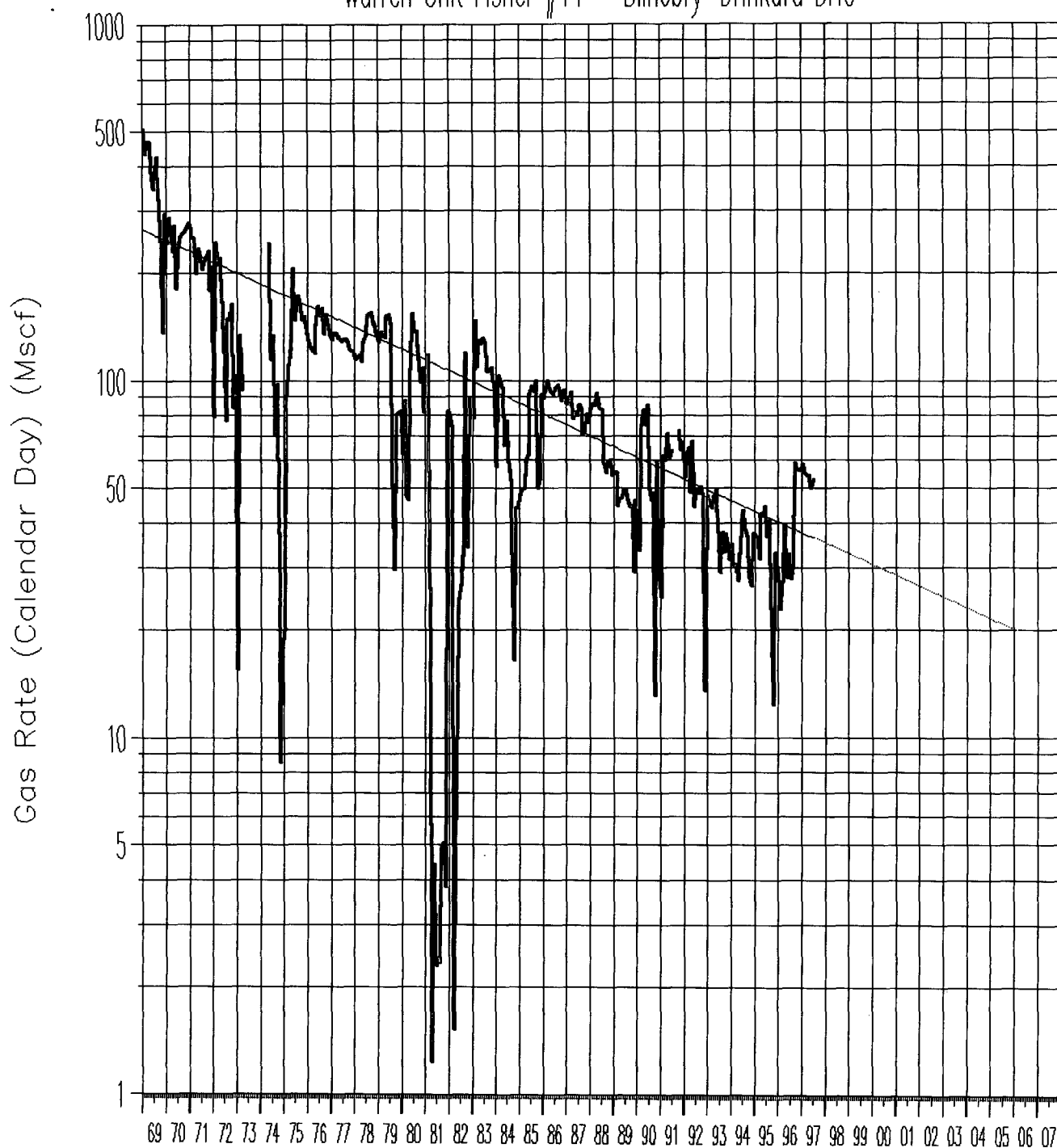
Cumulative Oil Produced: 58.0 Mbbls

Remaining Reserves: 9.4 Mbbls

Total Reserves: 67.4 Mbbls - At the Economic Limit

Conoco Inc.

Warren Unit Fisher #11 - Blinebry-Drinkard DHC



Decline Rate (frac) Nominal: 0.005825 Effective: 0.005808 Annual: 0.067510

Current Gas rate: 36.50 Mscf/d

Economic Limit: 20.000 Mscf/d

Cumulative Gas Produced: 1004.87 MMscf

Remaining Reserves: 86.6 MMscf

Total Reserves: 1091.5 MMscf - At the Economic Limit

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

instructions on back

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088

State Lease - 4 Copies

District IV
PO Box 2088, Santa Fe, NM 87504-2088

Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-07885		2 Pool Code 63120		3 Pool Name Warren Drinkard, East	
4 Property Code 03122		5 Property Name Warren Unit			6 Well Number 11
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	35	20S	38E		660	North	660	East	Lea

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16			

17 OPERATOR CERTIFICATION

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

Jerry W. Hoover
Signature

Jerry W. Hoover

Printed Name

Sr. Conservation Coordinator

Title

Date

9/4/97

18 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 Surveyor:

Certificate Number

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd. Aztec, NM 87410

OIL CONSERVATION DIVISION
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Santa Fe, NM 87504-2088

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District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-07885		2 Pool Code 87085		3 Pool Name Warren Tubb, East	
4 Property Code 03122		5 Property Name Warren Unit			6 Well Number 11
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	35	20S	38E		660	North	660	East	Lea

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UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					17 OPERATOR CERTIFICATION	
					I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
					Signature Jerry W. Hoover Printed Name Sr. Conservation Coordinator Title 9/14/97 Date	
					18 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 Surveyor:	
					Certificate Number	

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

instructions on back

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PO Drawer DD, Artesia, NM 88211-0719

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-07885		2 Pool Code 06660		3 Pool Name Blinebry Oil and Gas	
4 Property Code 03122		5 Property Name Warren Unit			6 Well Number 11
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation

10 Surface Location

UL or lot no. A	Section 35	Township 20S	Range 38E	Lot Idn	Feet from the 660	North/South line North	Feet from the 660	East/West line East	County Lea
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code		15 Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				

17 OPERATOR CERTIFICATION

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

Jerry W. Hoover
Signature
Jerry W. Hoover

Sr. Conservation Coordinator
Title

9/4/97
Date

18 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 Surveyor:

Certificate Number

Conoco, Inc.
Warren Unit Well #11
Section 35, A, T-20-S, R-38-E
Lea County, New Mexico

RE: Application for Downhole Commingling

Offset Operators:

Conoco, Inc. is the only offset operator.



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC Y _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

CONOCO, INC. WARREN UNIT #11 A 35-20-38
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

Recommend approval and using a beam pump.

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed