



DISTRICT I  
P.O. Bpx 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 Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a (Current) 500 psia	a. 2000 psia	a. 500 psia
	b (Original) 2460	b. 2600	b. 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  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 Mid-year average producing rates - see attached table & allocation letter	Date Rates Incremental production by subtraction	Date Rates Mid-year average producing rates - see attached table & allocation letter
	Date Rates	Date Rates	Date Rates
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 (MCFPD) 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

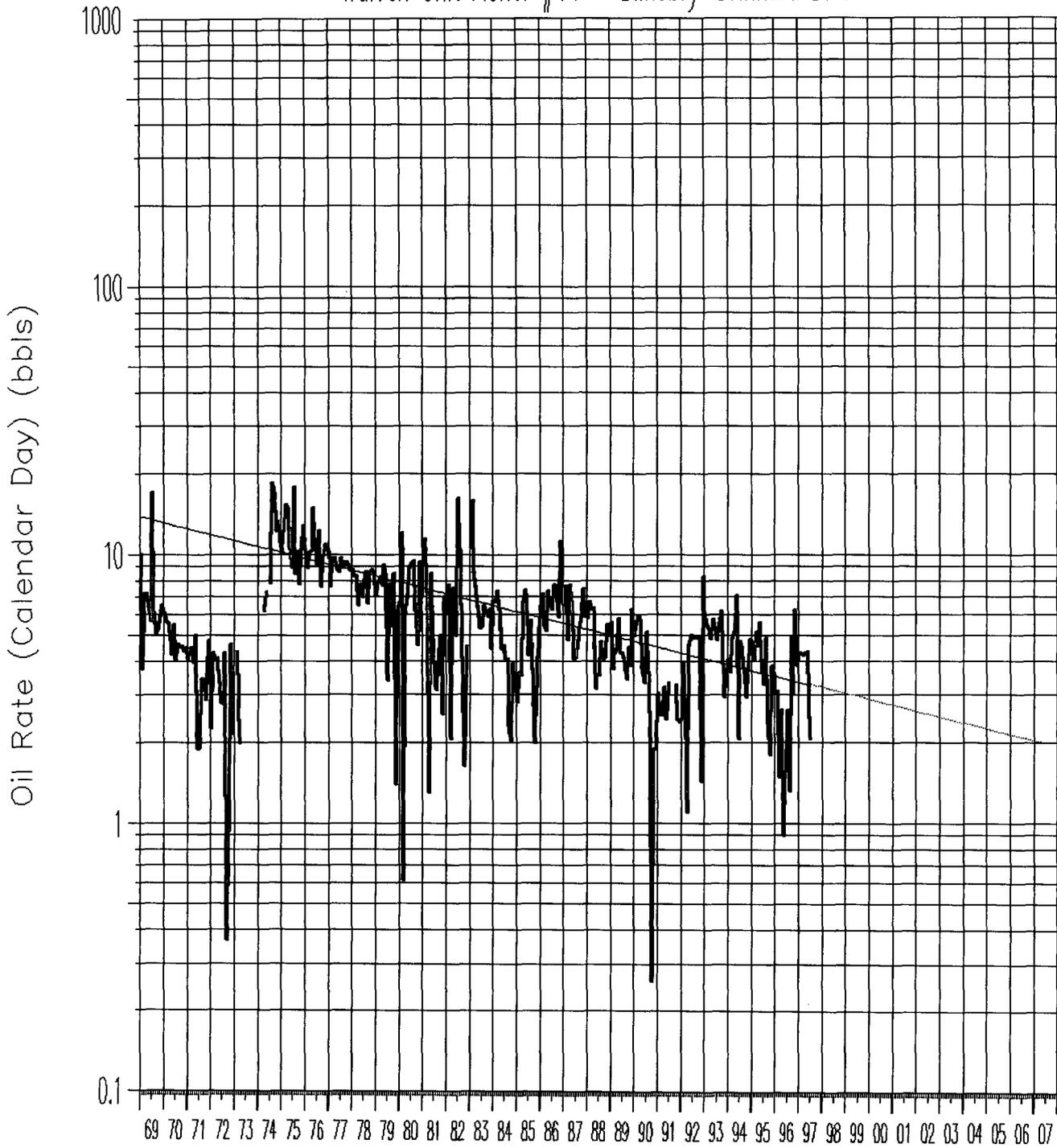
Very truly yours,

  
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

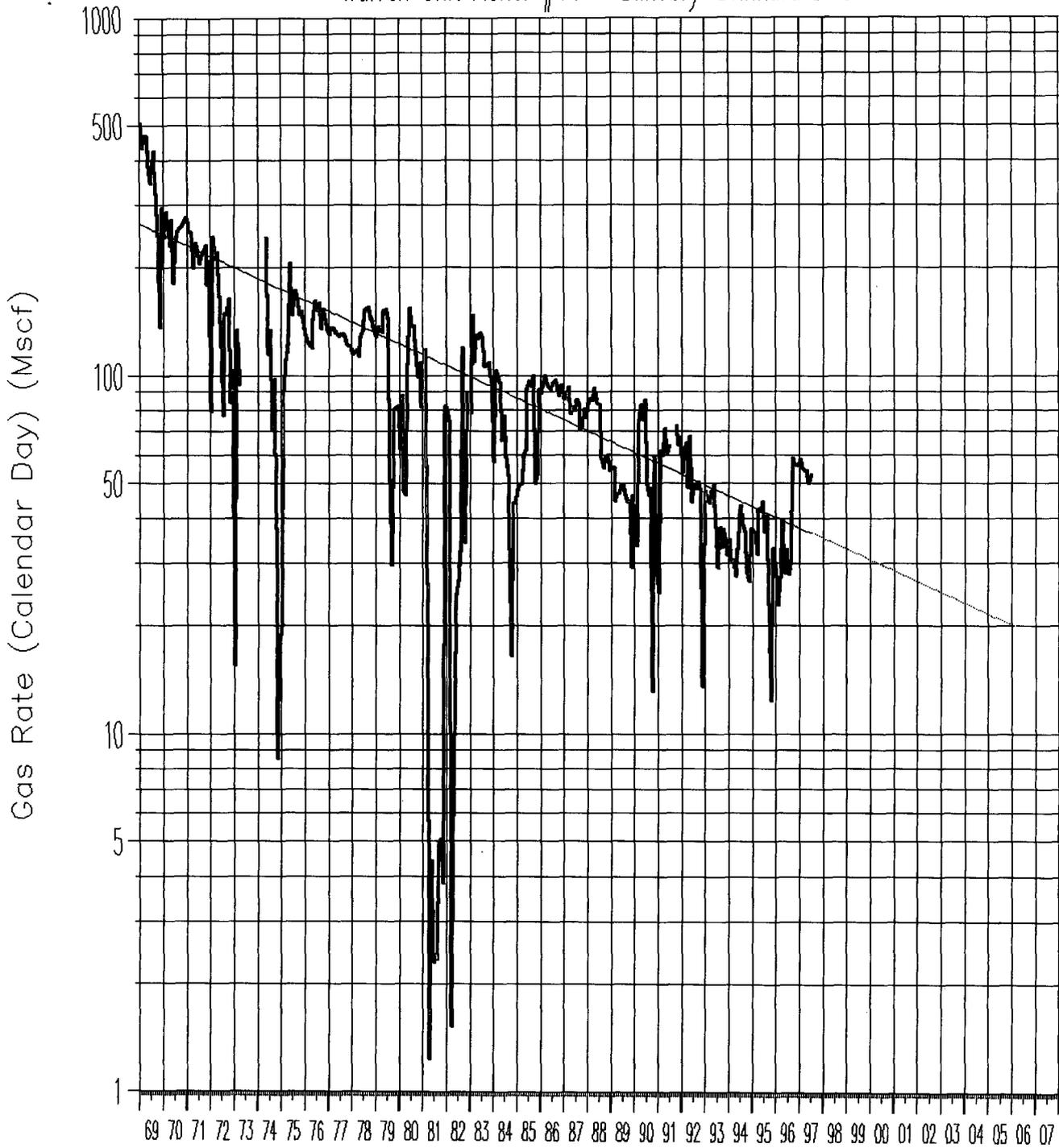
Cumulative Oil Produced: 58.0 Mbbls

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  
9/9/97

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  
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Energy, Minerals & Natural Resources Department

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1000 Rio Brazos Rd. Aztec, NM 87410

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

Submit to Appropriate District Office  
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Fee Lease - 3 Copies

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

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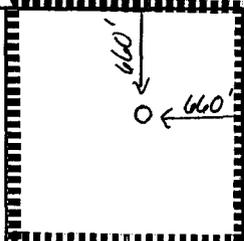
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*Jerry W. Hoover*  
Signature  
Jerry W. Hoover  
Printed Name  
Sr. Conservation Coordinator  
Title  
9/14/97  
Date

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Signature and Seal of Professional Surveyor.

Certificate Number

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PO Box 2088  
Santa Fe, NM 87504-2088

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 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

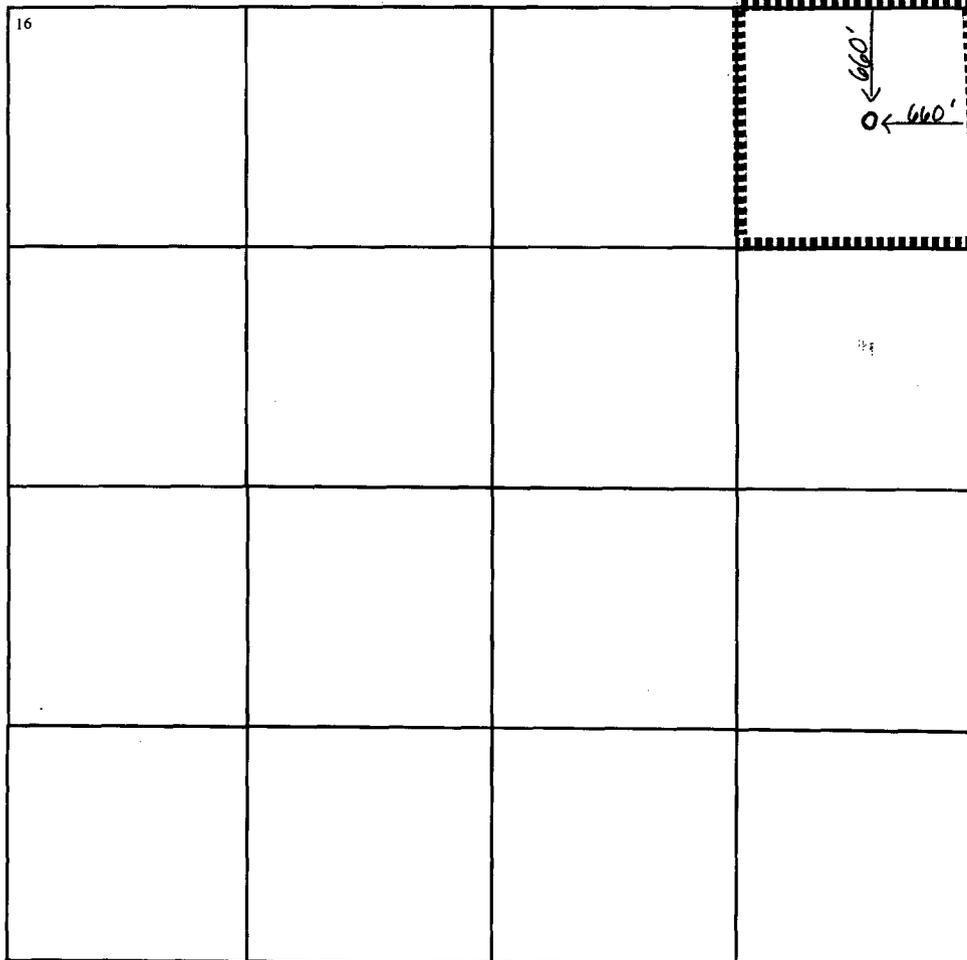
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*Jerry W. Hoover*  
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Jerry W. Hoover  
Printed Name  
Sr. Conservation Coordinator  
Title  
9/4/97  
Date

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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

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

GOVERNOR

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  
Supervisor, District 1

/ed