

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]

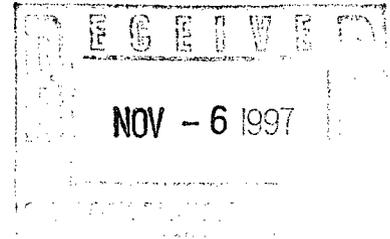
[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [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.

Kay Maddox	<i>Kay Maddox</i>	Regulatory Agent	11/4/97
Print or Type Name	Signature	Title	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

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

OIL CONSERVATION DIVISION

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

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 Hawk A Well No 9 Unit Ltr Sec Twp Rge Section 8, T21S, R37E County Lea

OGRID NO. 005073 Property Code 003021 API NO. 30-025-27599 Spacing Unit Lease Types: (check 1 or more)  
 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 & Gas 06660	Tubb Oil & Gas 60240	Drinkard 19190
2. TOP and Bottom of Pay Section (Perforations)	5755-6050'	6299-6432'	6553-6717'
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. Bottomhole Pressure	a (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	350	800	450
Gas & Oil - Flowing: Measured Current	b(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	2400	2600	2750
6. Oil Gravity (°API) or Gas BT Content	40	36	40
7. Producing or Shut-in?	Producing	To be completed	Producing
Production Marginal? (yes or no)	Yes		Yes
• If Shut-In give date and oil/gas/water rates of last production <small>Note For new zones with no production history applicant should be required to attach production estimates and supporting data</small> • If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates	Date Rates: Incremental Production by subtraction - See attached data	Date Rates
	Date Rates	Date Rates: Average Producing rates - See Attached table	Date Rates: Average Producing rates- See attached table
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. NMOCD 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 Kay Maddox TITLE Regulatory Agent DATE October 31, 1997

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

# Hawk A #9 Downhole Commingle

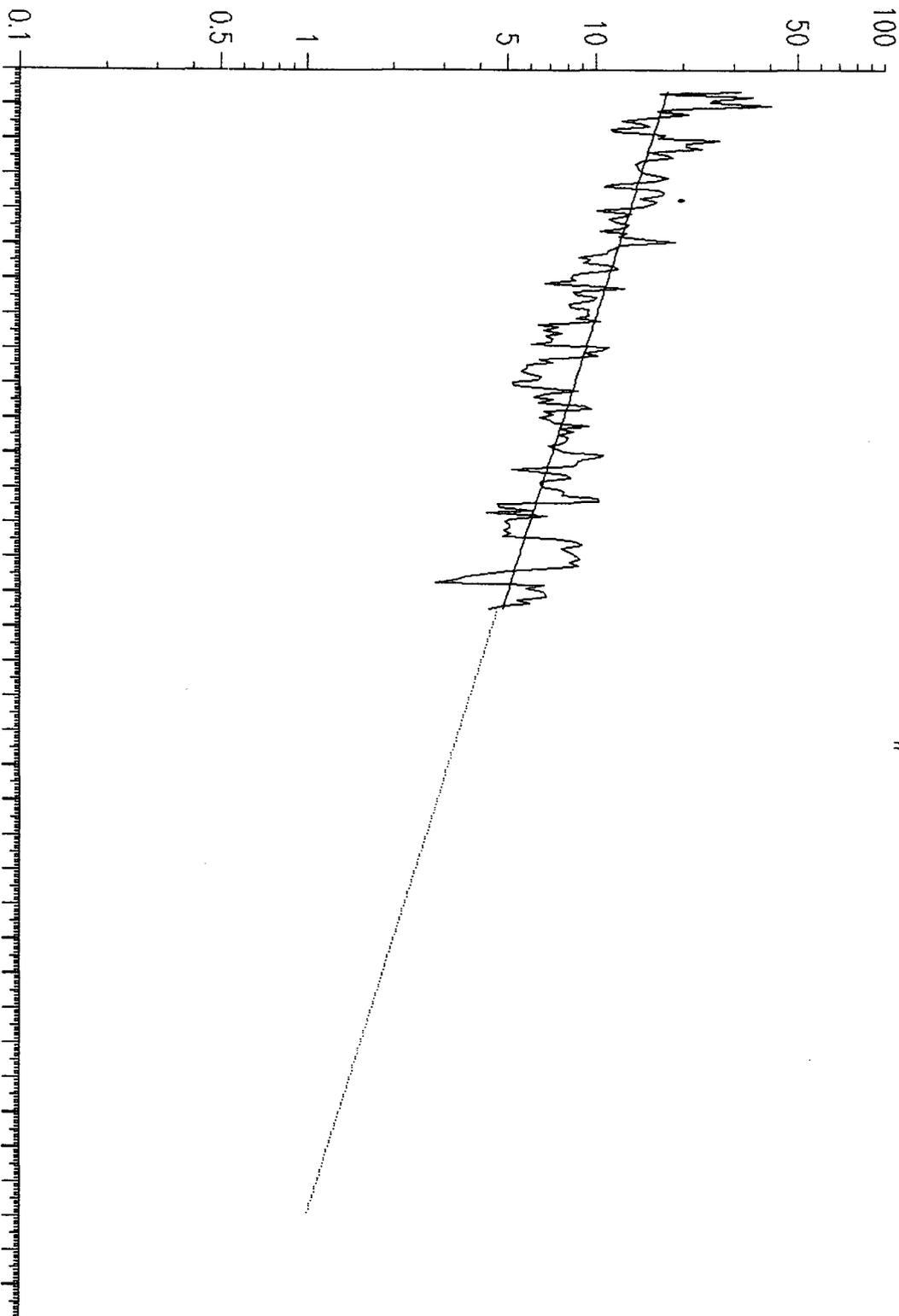
## Blinebry/Drinkard Production Forecast

DECLINE (%/YR)	0.084052	GAS DECLINE (%/YR)	0.08812
LOSS RATIO	0.9194	LOSS RATIO	0.9157
INITIAL RATE (BOPD)	4.8	INITIAL RATE (MCFPD)	48
NO.MONTHS 1ST YEAR	12	NO.MONTHS 1ST YEAR	12
ECON LIMIT (BOPD)	1	ECON LIMIT (MCFPD)	20

Year	Forecasted Formation	Annual Oil Decline Constant	Predicted Yearly Cum BO	Annual Gas Decline Constant	Predicted Yearly Cum MCF	Forecasted Oil Production Daily Average (BOPD)	Forecasted Gas Production Daily Average (MCFPD)
1997	Blinebry/Drinkard	0.0841	1680	0.0881	16770	4.6	45.9
1998	Blinebry/Drinkard	0.0841	1545	0.0881	15356	4.2	42.1
1999	Blinebry/Drinkard	0.0841	1420	0.0881	14060	3.9	38.5
2000	Blinebry/Drinkard	0.0841	1306	0.0881	12874	3.6	35.3
2001	Blinebry/Drinkard	0.0841	1201	0.0881	11789	3.3	32.3
2002	Blinebry/Drinkard	0.0841	1104	0.0881	10794	3.0	29.6
2003	Blinebry/Drinkard	0.0841	1015	0.0881	9884	2.8	27.1
2004	Blinebry/Drinkard	0.0841	933	0.0881	9050	2.6	24.8
2005	Blinebry/Drinkard	0.0841	858	0.0881	8287	2.4	22.7
2006	Blinebry/Drinkard	0.0841	789	0.0881	7588	2.2	20.8
2007	Blinebry/Drinkard	0.0841	725	0.0881	6948	2.0	19.0
2008	Blinebry/Drinkard	0.0841	667	0.0881	6362	1.8	17.4
2009	Blinebry/Drinkard	0.0841	613	0.0881	5825	1.7	16.0
2010	Blinebry/Drinkard	0.0841	563	0.0881	5334	1.5	14.6
2011	Blinebry/Drinkard	0.0841	518	0.0881	4884	1.4	13.4
2012	Blinebry/Drinkard	0.0841	476	0.0881	4472	1.3	12.3
2013	Blinebry/Drinkard	0.0841	438	0.0881	4095	1.2	11.2
2014	Blinebry/Drinkard	0.0841	403	0.0881	3749	1.1	10.3
2015	Blinebry/Drinkard	0.0841	370	0.0881	3433	1.0	9.4
2016	Blinebry/Drinkard	0.0841	340	0.0881	3143	0.9	8.6
2017	Blinebry/Drinkard	0.0841	313	0.0881	2878	0.9	7.9

Hawk A #9

Oil Rate (Calendar Day) (bbls)



82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17

Decline Rate (frac)    Nominal: 0.007316    Effective: 0.007290    Annual: 0.084052

Current Oil rate: 4.6 bbls/d

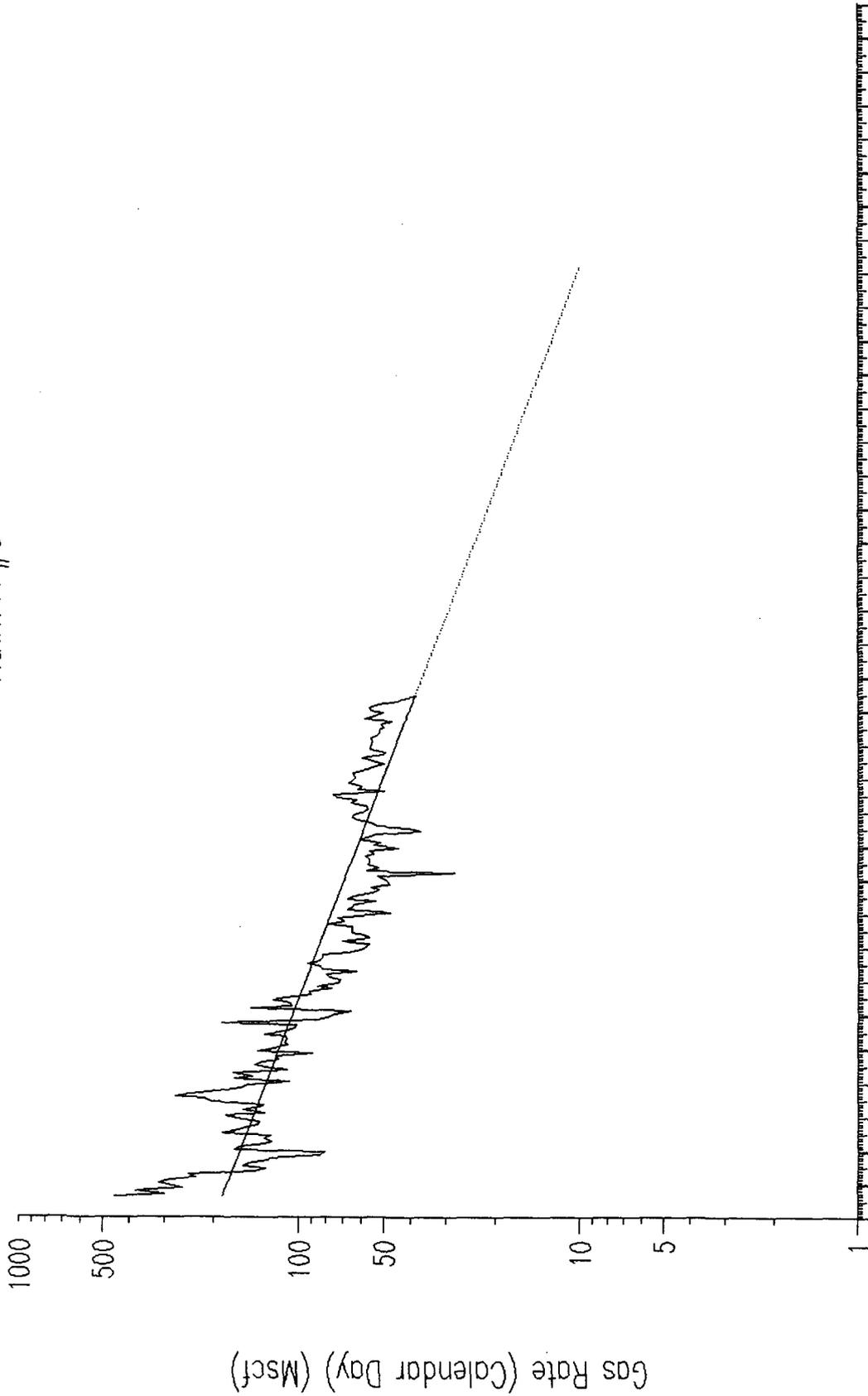
Economic Limit: 1.0 bbls/d

Cumulative Oil Produced: 56.3 Mbbls

Remaining Reserves: 15.0 Mbbls

Total Reserves: 71.3 Mbbls – At the Economic Limit

# Hawk A #9



82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17  
Decline Rate (frac) Nominal: 0.008806 Effective: 0.008767 Annual: 0.100279  
Current Gas rate: 38.40 Mscf/d  
Economic Limit: 10.000 Mscf/d  
Cumulative Gas Produced: 543.00 MMscf  
Remaining Reserves: 98.2 MMscf  
Total Reserves: 641.2 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

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

OIL CONSERVATION DIVISION

instructions on back

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088  
Santa Fe, NM 87504-2088

Submit to Appropriate District Office

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

State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-27599		2 Pool Code 06660		3 Pool Name Blinebry Oil & Gas	
4 Property Code 003021		5 Property Name Hawk A			6 Well Number 9
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation

10 Surface Location

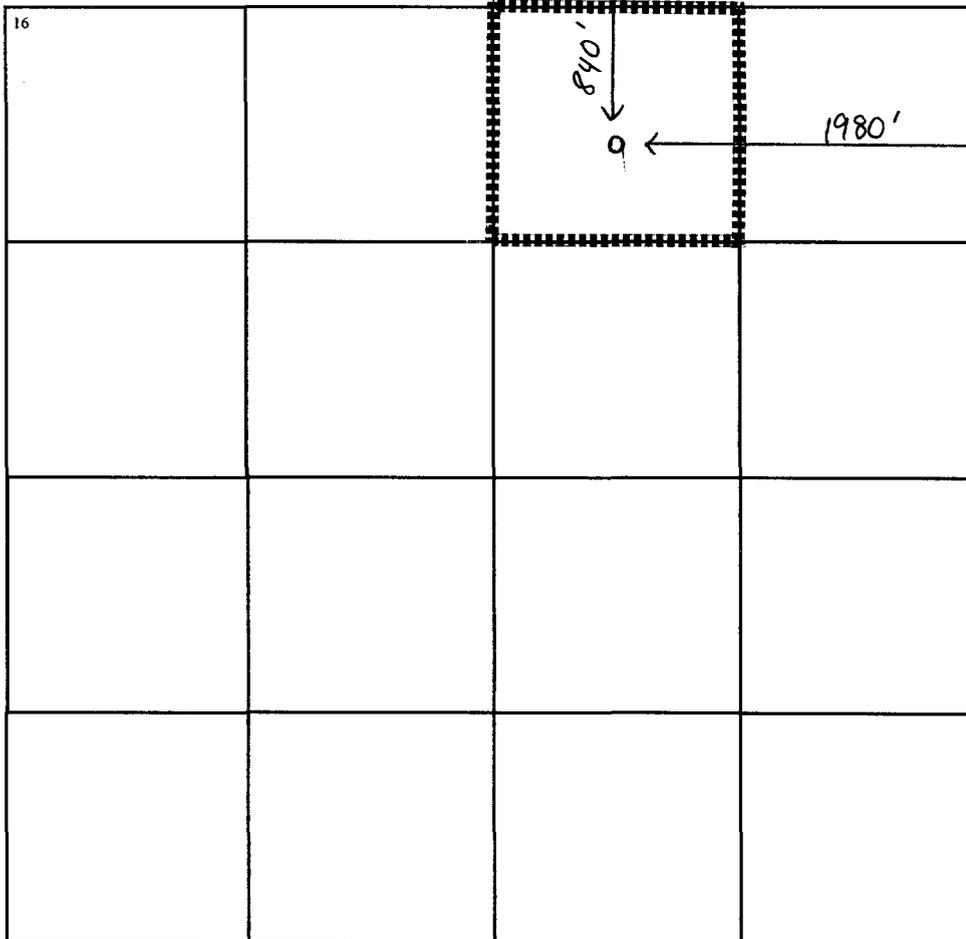
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	8	21S	37E		840	North	1980	East	Lea

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.
--------------------------	--------------------	-----------------------	--------------

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



17 OPERATOR CERTIFICATION

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

*Kay Maddox*

Signature  
Kay Maddox

Printed Name  
Regulatory Agent

Title  
11/1/97

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-27599		2 Pool Code 60240		3 Pool Name Tubb Oil & Gas	
4 Property Code 003021		5 Property Name Hawk A			6 Well Number 9
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation

10 Surface Location

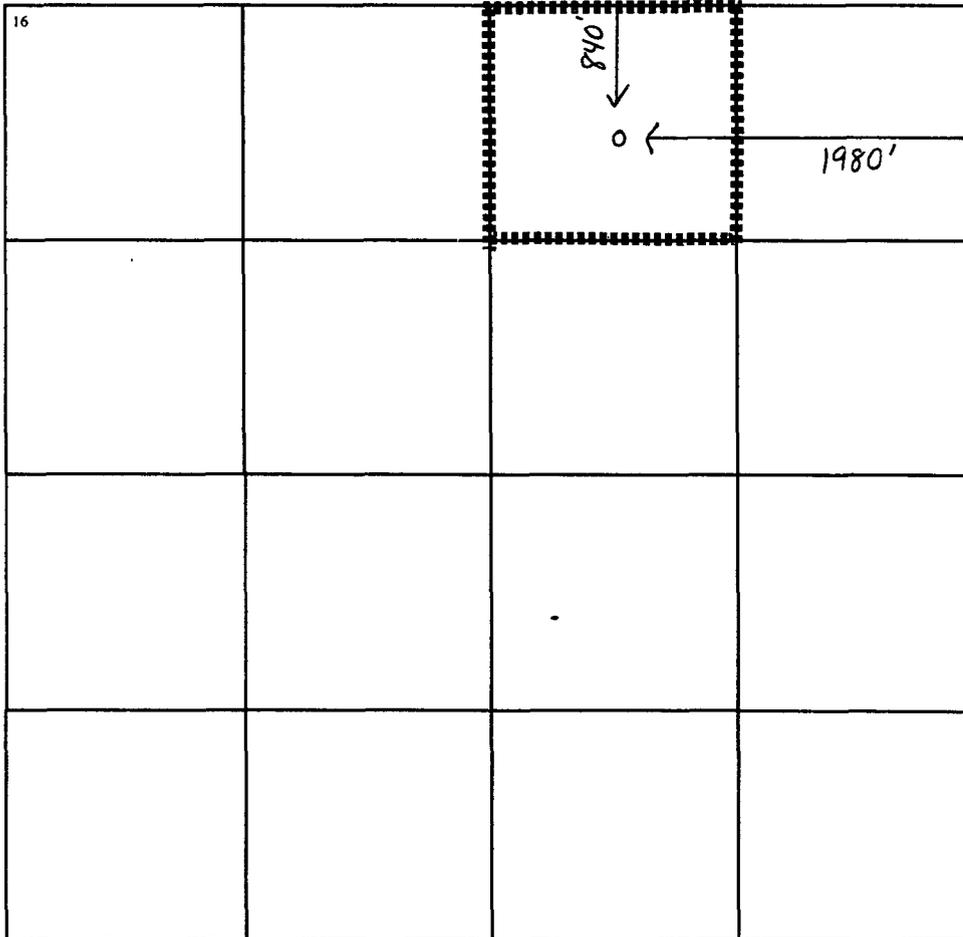
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	8	21S	37E		840	North	1980	East	Lea

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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

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*Kay Maddox*  
Signature  
Kay Maddox  
Printed Name  
Regulatory Agent  
Title  
11/1/97  
Date

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Date of Survey  
Signature and Seal of Professional Surveyor.

Certificate Number

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

District II  
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1000 Rio Brazos Rd. Aztec, NM 87410

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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

Form C-102

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

API Number 30-025-27599		2 Pool Code 19190		3 Pool Name Drinkard	
4 Property Code 003021		5 Property Name Hawk A			6 Well Number 9
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation

10 Surface Location

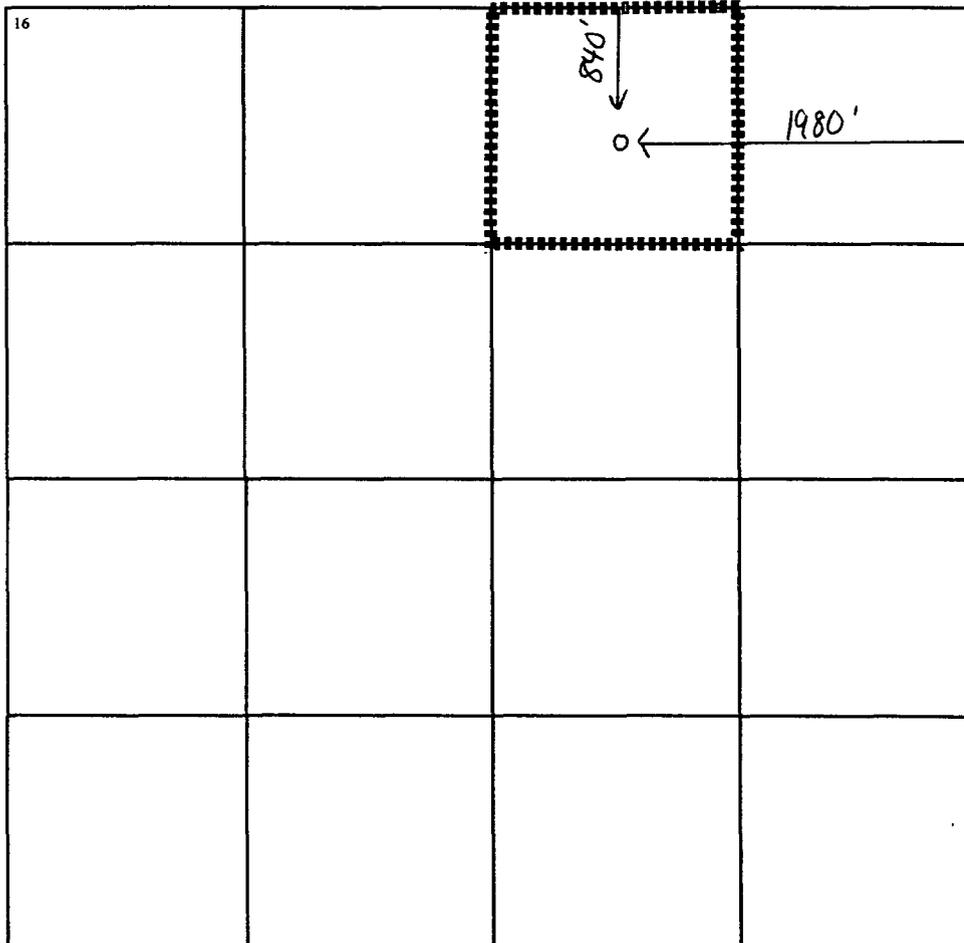
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	8	21S	37E		840	North	1980	East	Lea

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.
--------------------------	--------------------	-----------------------	--------------

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



17 OPERATOR CERTIFICATION

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

*Kay Maddox*

Signature  
Kay Maddox

Printed Name  
Regulatory Agent

Title  
11/1/97

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

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

All distances must be from the outer boundaries of the Section.

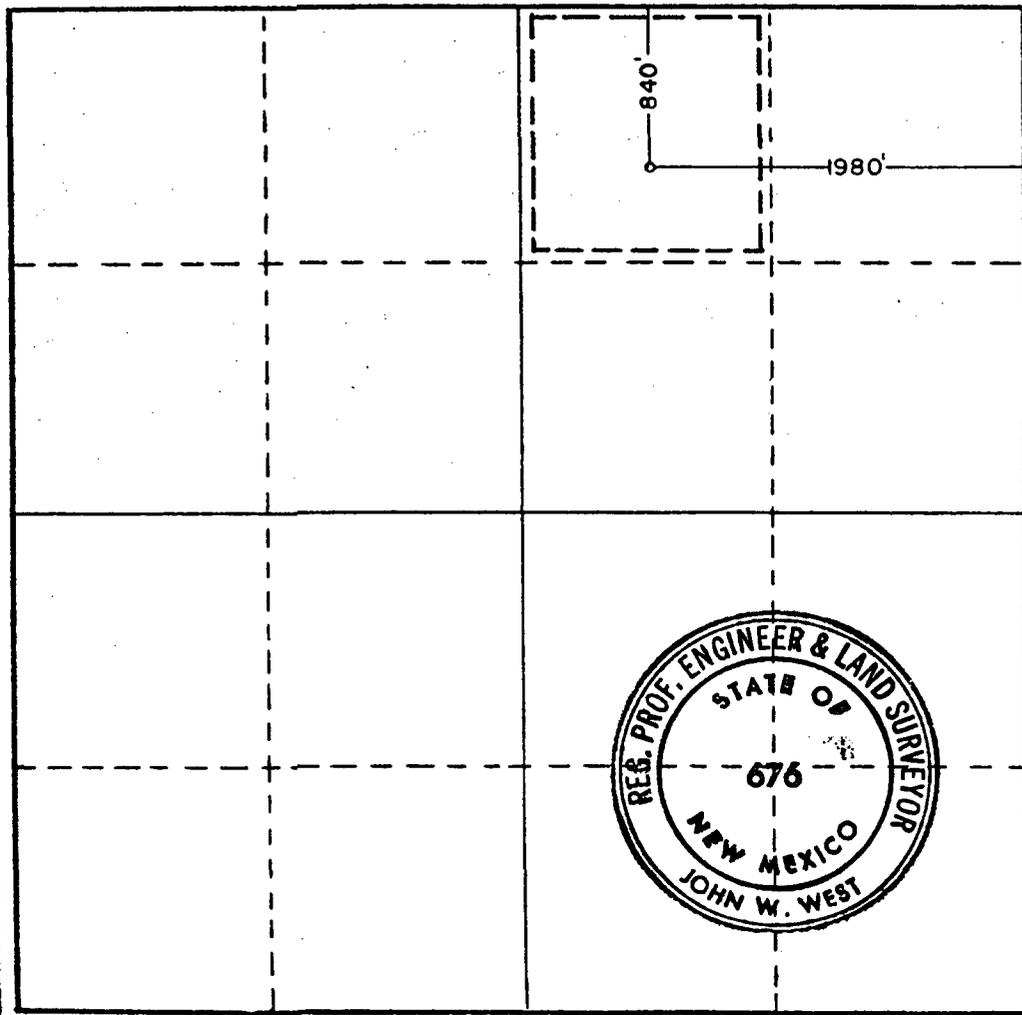
Operator <b>CONOCO, INC.</b>		Lease <b>HAWK "A"</b>		Well No. <b>9</b>
Unit Letter <b>B</b>	Section <b>8</b>	Township <b>21 SOUTH</b>	Range <b>37 EAST</b>	County <b>LEA</b>
Actual Footage Location of Well: <b>1980</b> feet from the <b>EAST</b> line and <b>840</b> feet from the <b>NORTH</b> line				
Ground Level Elev. <b>3513.9</b>	Producing Formation <b>Blinebry / Drinkard</b>	Pool <b>Blinebry Oil &amp; Gas / Drinkard</b>	Dedicated Acreage: <b>40</b> Acres	

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 \_\_\_\_\_

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.



**CERTIFICATION**

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

Name  
*Wm A. Butterfield*

Position  
*Administrative Supervisor*

Company  
*Conoco Inc.*

Date  
*September 21, 1981*

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 knowledge and belief.

Date Surveyed  
**9-4-81**

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6668**  
**Ronald J. Eldson 3239**



**OFFSET OPERATORS  
IN THE  
BLINEBRY & DRINKARD POOLS  
Hawk A Well # 2, 9  
T-21-S, R-37-E**

**Offset Operators:** \_\_\_\_\_ **Location:**

Burlington Resources  
PO Box 4289  
Farmington, NM 87499

Section 5

Lynx Petroleum  
PO Box 1979  
Hobbs, NM 88241

Section 6, P

Arco Permian  
PO Box 1089  
Eunice, NM 88231

Section 7, A

Asher Enterprises  
PO Box 423  
Artesia, NM 88211-0243

Section 7, H

Lanexco  
PO Box 2730  
Midland, TX 79702

Section 7, P

Chevron USA Inc.  
PO Box 1150  
Midland, TX 79702 Attention: J.K. Rippley

Section 8, F

Lanexco  
Previous listing

Section 8, F

Altura  
PO Box 4891  
Houston, TX 77210-4891

Section 16, D

Campbell & Hedric  
PO Box 401  
Midland, TX 79701

Section 17, B

John H. Hendrix Corp.  
PO Box 3040  
Midland, TX 79702-3040

Section 17, B

**Page 2**  
**Offset Operators**  
**Hawk A Well # 2 & 9**

Texaco Exploration & Prod.  
PO Box 3109  
Midland, TX 79702 Attention: C.W. Howard

Section 17, C

Chevron  
Previous Listing

Section 18, A

HAWK A No. 9 DHC : OFFSET OPERATORS

**E.C. Hill**

**Hawk B-4**

**Texakoma**

**Conoco NMFU**

**E. C. Hill**

**Conoco NMFU**

**E. G. Goins, et al.**

**Conoco NMFU**

**Conoco NMFU**

**Alexander**

**BURLINGTON**

**Hawk B-6**

**Currie**

**W. C. Hawk A-5**

**Hawk A - 4**

**7**

**Conoco NMFU**

**Conoco NMFU**

**8**

**Conoco NMFU**

**Hawk - A**

**HAWK A No. 9**

**Co., et al.**

**CHEVRON**

**Mattern**

**Hawk - A**

**Hawk - A**

**Dominion Res.**

**Conoco NMFU**

**Goins**

**Alves**

**Hawk B-1**

**Chevron**

**18**

**Texaco**

**Campbell & Hedrick**

**17**

**Amoco**



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

DHC-425

11/6/97

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 \_\_\_\_\_ *X*
- NSL \_\_\_\_\_
- NSP \_\_\_\_\_
- SWD \_\_\_\_\_
- WFX \_\_\_\_\_
- PMX \_\_\_\_\_

Gentlemen:

I have examined the application for the:

<i>Conoco Inc</i>	<i>Hawk A</i>	<i>#9-B</i>	<i>8-21s-37e</i>
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

*None*

Yours very truly,

*Chris Williams*

Chris Williams  
Supervisor, District 1

/ed