

DATE IN 11/6/97	SUSPENSE 11/26/97	ENGINEER DC	LOGGED BY MN	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

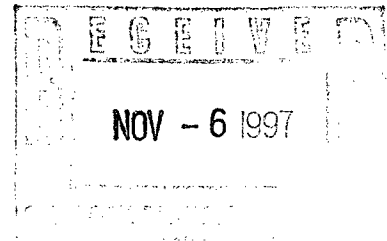
Check One Only for [B] and [C]

[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.

Kay Maddox
 Print or Type Name

Kay Maddox
 Signature

Regulatory Agent
 Title

11/4/97
 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 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

Operator

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

Address

Hawk A

9

Section 8, T21S, R37E

Lea

Lease

Well No

Unit Ltr Sec Twp Rge

County

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 Note For new zones with no production history applicant shall be required to attach production estimates and supporting data • 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 Average Producing rates - See Attached table	Date Rates	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? X 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? X Yes No11. Will cross-flow occur? Yes X 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 X Yes No13. Will the value of production be decreased by commingling? Yes X 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. X Yes No15. 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 Kay Maddox TITLE Regulatory Agent DATE October 31, 1997TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

Hawk A #9 Downhole Commingle

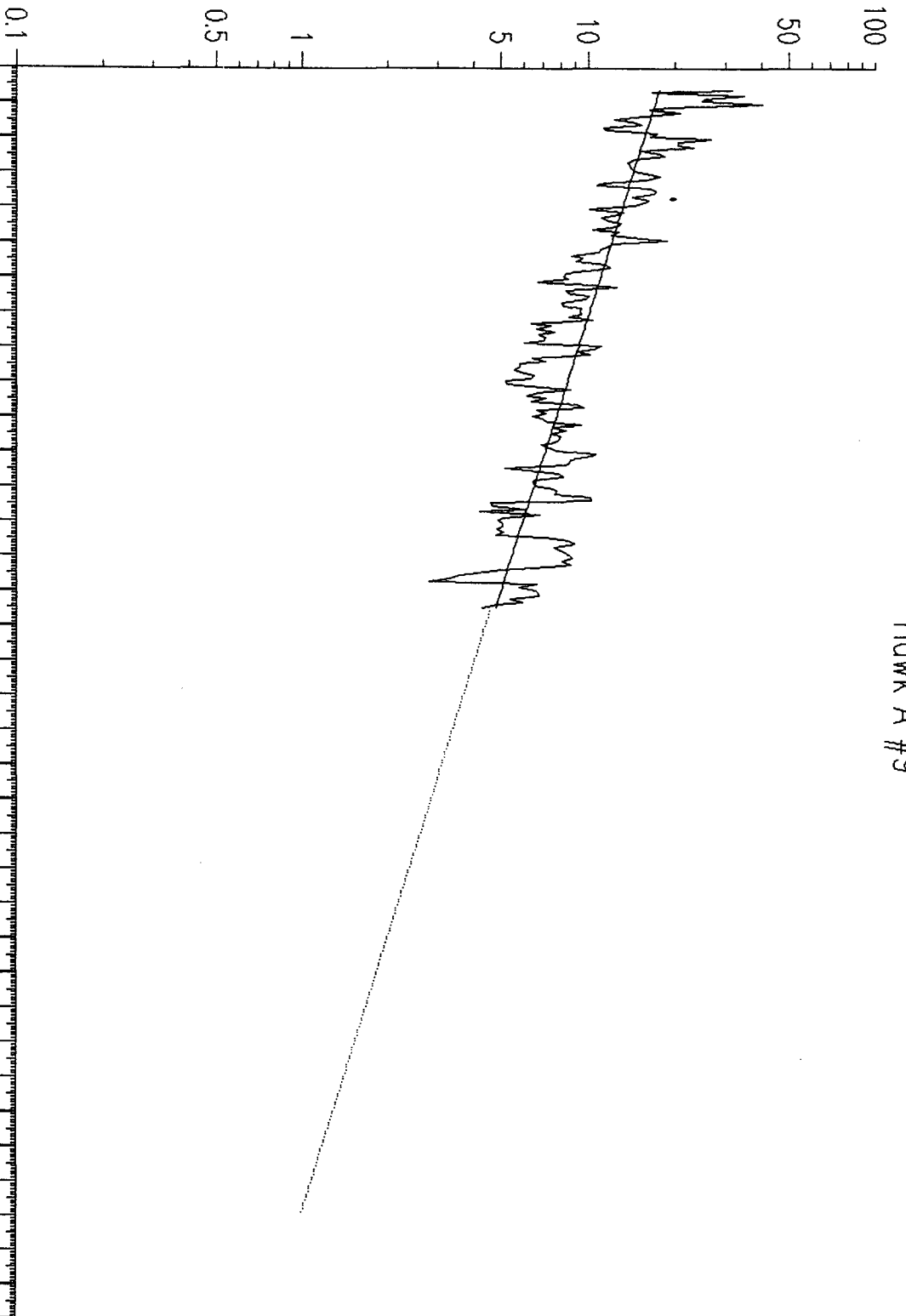
Blinebry/Drinkard Production Forecast

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)



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

Current Oil rate: 4.6 bbls/d

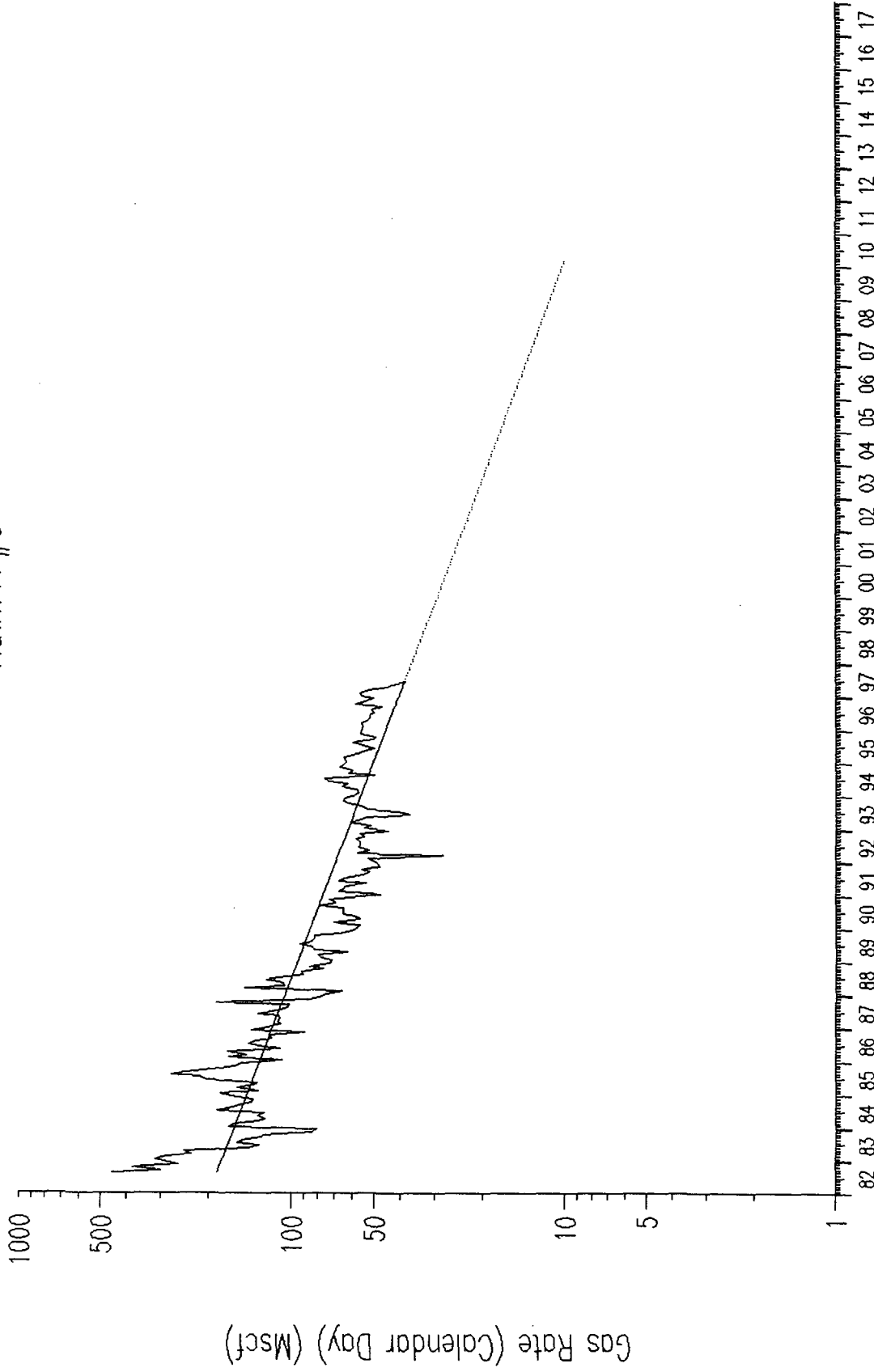
Economic Limit: 1.0 bbls/d

Cumulative Oil Produced: 56.3 Mbbls

Remaining Reserves: 15.0 Mbbls

Total Reserves: 71.3 Mbbls – At the Economic Limit

Hawk A #9



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

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

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 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. B	Section 8	Township 21S	Range 37E	Lot Idn	Feet from the 840	North/South line North	Feet from the 1980	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

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

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

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☐ 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

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 <i>Kay Maddox</i> 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				

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Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
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Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

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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

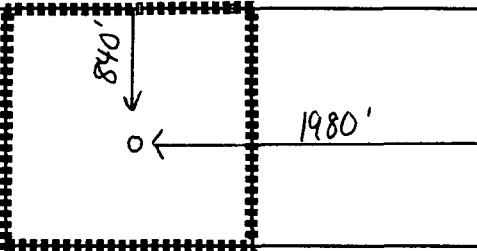
10 Surface Location

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

16			

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.

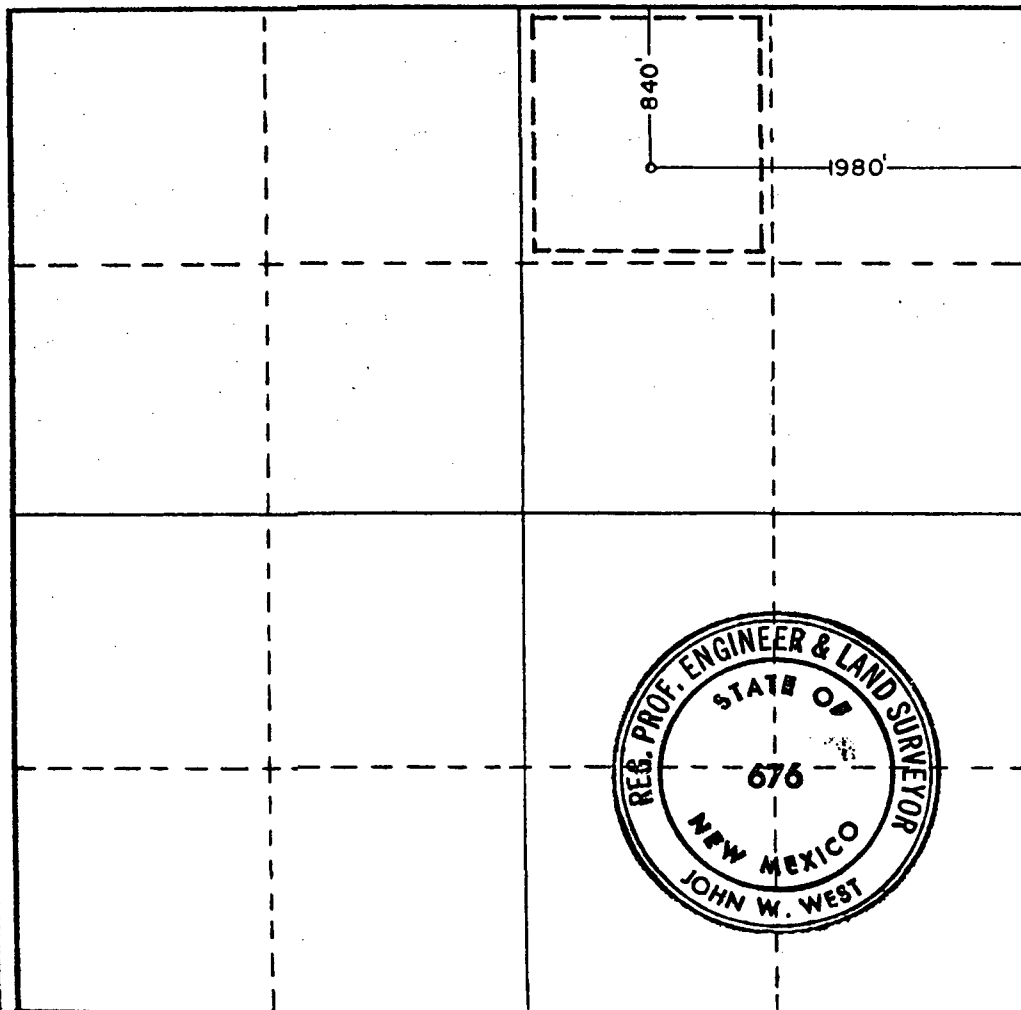
Operator CONOCO, INC.			Lease HAWK "A"		Well No. 9
Unit Letter B	Section 8	Township 21 SOUTH	Range 37 EAST	County LEA	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1980 feet from the EAST line and 840 feet from the NORTH line </div>					
Ground Level Elev.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

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 6663
Ronald J. Eldson 3239



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

<u>Offset Operators:</u>	<u>Location:</u>
---------------------------------	-------------------------

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		Hawk B-4	
ill E.C. Hill		Texakoma	Conoco NMFU
			E. C. Hill
			Conoco NMFU
		E. G. Goins, et al.	
		Conoco NMFU	
Conoco NMFU	Alexander		G
	BURLINGTON		
Hawk B-6	Currie	W. C. Hawk A-5	Hawk A - 4
7	Conoco NMFU	Conoco NMFU 8	Conoco NMFU
	Hawk - A		
m Co., et al.	CHEVRON		
	Mattern	Hawk - A	Hawk - A
	Dominion Res.	Conoco NMFU	
Goins			
on rn	Alves		
		Hawk B-1	Ha
Chevron 18	Texaco	Campbell & Hedrick	17 Amoco



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

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:

Conoco Inc Hawk A #9-B 8-21s-37e
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