

MS pKRV0235835106

NSL 1/12/03

Kathy, please log this  
appl. in as an NSL.  
Theresa Sloan



December 18, 2002

Mr. Will Jones  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

DEC 23 2002

Re: Conoco State #3 Well  
2110' FSL & 2055' FEL  
Sec. 33 (J) T18S, R38E  
Lea County, NM  
API No. 30-025-35961

Gentlemen:

Saga originally filed an application to drill the referenced well and complete as a dual and/or DHC Drinkard – Blinebry well. After drilling to TD of 7025', the Drinkard was perforated from 6806'-6933', treated and flow tested for approximately 30 days. Production testing of the Drinkard perforations showed the reservoir to be gas, not oil. Subsequently the Tubb was perforated from 6406'-6573', treated and flowed tested after a pkr was set at 6573'. Saga has flow tested the Tubb perfs for about 30 days and results indicate the reservoir to be gas also. The Tubb and Drinkard reservoirs appear to be compatible; therefore Saga has requested a permit for DHC of the Drinkard and Tubb pools. OCD has indicated that the Tubb pool is a NSL, we respectfully request approval of the DHC permit and NSL of the referenced well.

Should you require any further information, please contact the undersigned at your convenience.

Very truly yours,

SAGA PETROLEUM LLC

A handwritten signature in cursive script that reads "Bonnie Husband".

Bonnie Husband  
Production Analyst

Enclosures

415 W. Wall, Ste 1900  
Midland, TX 79701

Office: (915) 684-4293  
Fax (915) 684-0829



## MEMORANDUM

December 18, 2002

OCD  
1220S St. Francis Dr  
Santa Fe, New Mexico 87505  
Attn. Will Jones

### REFERENCE TO:

Completion of Saga Petroleum  
Conoco State No. 3 well  
From Tubb and Drinkard perforations

### DISCUSSION:

Saga Petroleum originally proposed to complete the Conoco State No. 3 as a Drinkard Blinbry dual completion, anticipating both zones to be oil productive. Production testing of Drinkard perforations has shown the formation to be a gas reservoir. Current Tubb perforations have indicated this reservoir to be a gas producer as well. The Tubb and Drinkard reservoirs appear to be compatible. This is the basis for our request to co-mingle gas production from the two reservoirs.

Yours truly

Lorin J. Rulla  
Chief Geologist

## District I

1625 N. French Dr., Hobbs, NM 88240

## District II

811 South First, Artesia, NM 88210

## District III

1000 Rio Brazos Rd., Aztec, NM 87410

## District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources DepartmentOIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505Form C-102  
Revised August 15, 2000Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-35961		2 Pool Code 96946		3 Pool Name Wildcat Tubb	
4 Property Code 20363		5 Property Name Conoco State			6 Well Number 3
7 OGRID No. 148967		8 Operator Name Saga Petroleum LLC			9 Elevation 3639' Gr

## 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
J	33	18S	38E		2110	S	2055	E	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 160	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  
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>Bonnie Husband</i> Signature Bonnie Husband Printed Name Production Analyst Title 12/09/2002 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	

# State of New Mexico

## DISTRICT I

P.O. Box 1999, Hobbs, NM 88241-1999

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## DISTRICT II

P.O. Drawer 22, Artesia, NM 88211-0719

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

## DISTRICT IV

P.O. Box 2088, Santa Fe, N.M. 87504-2088

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

API Number 30-025-35961	Pool Code 31730	Pool Name HOBBS DRINKARD
Property Code 20281	Property Name CONOCO STATE	Well Number 3
OCRD No. 148967	Operator Name SAGA PETROLEUM LLC	Elevation 3639'

### Surface Location

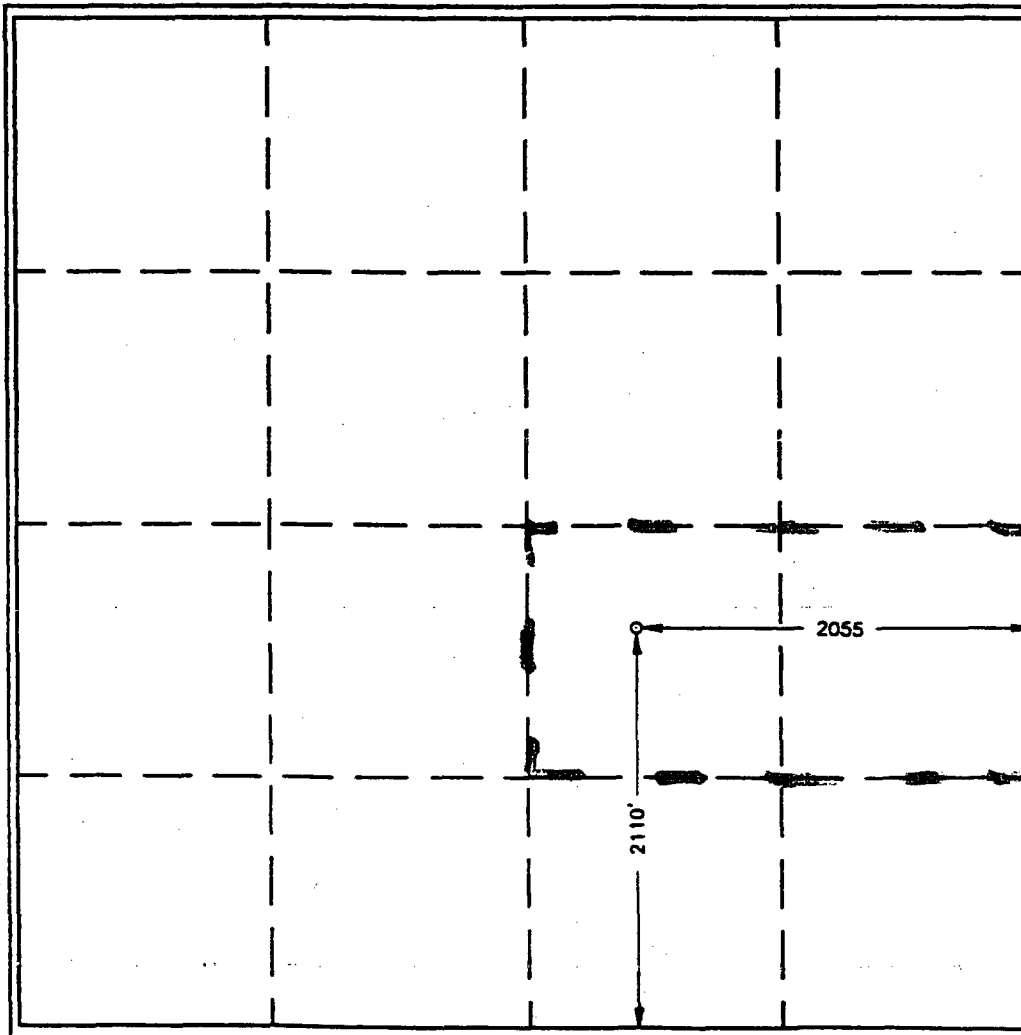
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	33	18-S	38-E		2110	SOUTH	2055	EAST	LEA

### 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

Dedicated Acres 80	Joint or Infill	Consolidation Code	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



### OPERATOR CERTIFICATION

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

*Bonnie Husband*  
Signature Bonnie Husband

Printed Name Production Analyst

Title July 17, 2002

Date

### 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 SURVEYED JULY 15, 2002 AWP

Signature & Seal of Professional Surveyor

*Gary B. Edson*  
02.11.0526

Certificate No. RONALD J. KIDSON 3239  
GARY B. EDSON 12641

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

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2040 South Pacheco  
Santa Fe, NM 87505

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-35961		2 Pool Code 96946		3 Pool Name Wildcat Tubb	
4 Property Code 20363		5 Property Name Conoco State			6 Well Number 3
7 OGRID No. 148967		8 Operator Name Saga Petroleum LLC			9 Elevation 3639' Gr

10 Surface Location

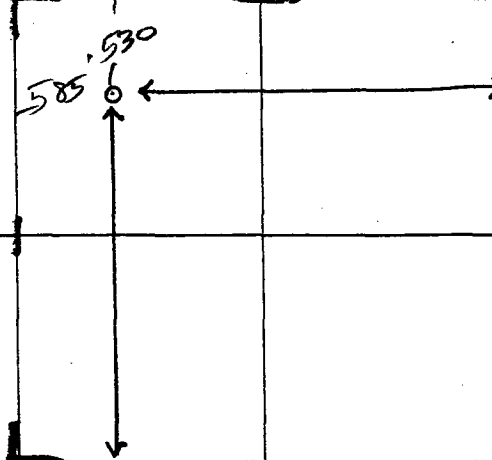
UL or lot no. J	Section 33	Township 18S	Range 38E	Lot Idn	Feet from the 2110	North/South line S	Feet from the 2055	East/West line E	County LEA
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 160	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  
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 <i>Talked 12/13/02 To Bonnie Husband, advised her to turn in NSL APPLICATION To SANTA FE well</i>		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Bonnie Husband</i> Signature Bonnie Husband Printed Name Production Analyst Title 12/09/2002 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  
P.O. Box 1999, Hobbs, NM 88241-1999

DISTRICT II  
P.O. Drawer 80, Lordsburg, NM 88311-0719

DISTRICT III  
1000 Rio Brazos Rd., Artes, NM 87410

DISTRICT IV  
P.O. Box 2088, Santa Fe, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-102  
Revised February 10, 1994  
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WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

API Number 30-025-35961	Pool Code 31730	Pool Name HOBBS DRINKARD
Property Code 20281	Property Name CONOCO STATE	Well Number 3
OGRID No. 148967	Operator Name SAGA PETROLEUM LLC	Elevation 3639'

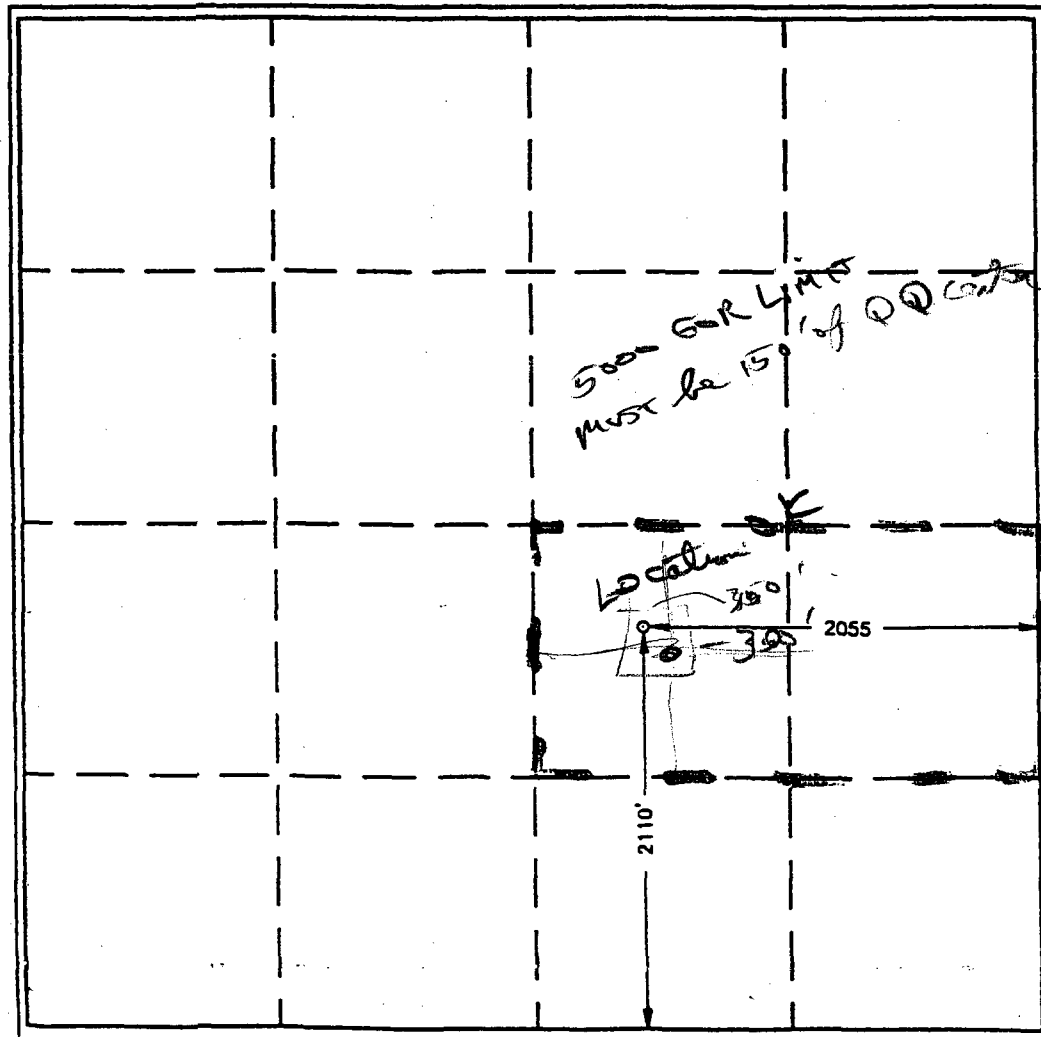
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	33	18-S	38-E		2110	SOUTH	2055	EAST	LEA

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
Dedicated Acres 80	Joint or Infill	Consolidation Code	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

	<b>OPERATOR CERTIFICATION</b>  I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.  <i>Bonnie Husband</i> Signature Bonnie Husband  Printed Name Production Analyst  Title July 17, 2002  Date
	<b>SURVEYOR CERTIFICATION</b>  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.  JULY 15, 2002 Date Surveyed EIDSON AWB Signature & Seal of Professional Surveyor <i>Gary E. Edson</i> 7/15/02 02.11.0526  Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12841

PKRV0234656309

DHC WVS

NA

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico

Form C-107A

Revised May 15, 2000

District II  
811 South First Street, Artesia, NM 88210

Energy, Minerals, and Natural Resources Department

District III  
1000 Rio Brazos Road, Aztec, NM 87410

DEC 12 2002

## OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87505

APPLICATION TYPE

☒ Single Well☒ Established Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

District IV  
2040 South Pacheco, Santa Fe, NM 87505

## APPLICATION FOR DOWNHOLE COMMINGLING

Saga Petroleum LLC

415 W. Wall, Suite 1900, Midland, TX 79701

Operator

Address

CONOCO STATE

3

J-33-18S -38E

Lea

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 148967 Property Code 20281 API No. 30-025-35961 Lease Type ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Wildcat Tubb		Hobbs Drinkard
Pool Code	96946		31730
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6406'-6573'		6806'- 6933'
Method of Production (Flowing of Artificial Lift)	Flw'g		Flw'g
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	612		731
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1206		BTU 1.159
Producing, Shut-in or New Zone	Prod - New zone		SI while testing Tubb
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.)	Date: 12/08/2001 Rates: 402 MCFGPD	Date: Rates:	Date: 10/29/2002 Rates: 348MCF
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 70 % 54 %	Oil Gas % %	Oil Gas 30 % 46 %

## ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingling zones?  
If not, have all working royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐  
Yes ☐ No ☐

Are all produced fluids from all commingling zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands  
or the United States Bureau of Land Management been notified in writing of this application?

Yes ☐ No ☐

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

## 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 working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

DHC  
approved  
12/13/02

## Pre-Approved Pools

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Bonnie Husband TITLE Production Analyst DATE 12/09/2002

TYPE OR PRINT NAME Bonnie Husband TELEPHONE NO. (915) 684-4293