

8/23/02	SUSPENSE NA	ENGINEER WJ	LOGGED IN KW	TYPE DHC	APP NO. 223831336
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [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 - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [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

[D] Other: Specify _____

[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] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Ken M. Calvert

Print or Type Name

Ken M. Calvert
 Signature

Engineering Manager

Title

8/22/02

Date

c-mail Address

MEWBOURNE OIL COMPANY

P.O. BOX 7698
TYLER, TEXAS 75711
903 - 561-2900
FAX 903 - 561-1870

CL. CONSERVATION DIV.
02 AUG 23 PM 12:55

August 22, 2002

UPS NEXT DAY AIR #1Z F69 8E8 22 1002 621 2

Mr. David Catanach
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Form C-107A
Carlsbad 22 State Com #1
Sec 22 T21S R26E
Avalon; Morrow (Gas) and Avalon; Strawn (Gas) Pools
Eddy Co., NM

Dear Mr. Catanach:

Please find enclosed the following for the downhole commingling of production from the Strawn and Morrow zones in the referenced well:

Form C-107A
Attachments information
Form C-102 for both zones
Production curve
Administrative Application Checklist

A copy of Form C-107A is being mailed today to the New Mexico State Land Office in Santa Fe.
If you need further information, please call me at (903) 561-2900.

Yours truly,



Janet Burns
Reg. Tech.

cc: NMOCD - Artesia
Hobbs
Midland
Allen Brinson
Wayne Jones
Don Russell
Cheryl Little

District I
1625 N. French Drive, Hobbs, NM 88210

District II
811 South First Street, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Mewbourne Oil Company P. O. Box 7698 Tyler, TX 75711
Operator Address
Lease Carlsbad 22 State Com #1 Well No. C - Sec 22, T21S, R26E Eddy
Unit Letter-Section-Township-Range County
OGRID No. 14744 Property Code 21595 API No. 30-015-29851 Lease Type: ☐ Federal ☒ State ☐ Fcc

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Avalon;Strawn (Gas)		Avalon; Morrow (Gas)
Pool Code	71080		70920
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	9,668 - 9,965' (OA)		11,062 - 11,072'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
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)	N/A		N/A
Oil Gravity or Gas BTU (Degree API or Gas BTU)	53.2		N/A
Producing, Shut-In or New Zone	Producing		SI below plug
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: 8/13/02 Rates: 260 MCFD, 2 BO, 0 BW	Date: Rates:	Date: 7/1/02 Rates: 90 MCFD, 0 BO, 0 BW
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 100 % 75 %	Oil Gas % %	Oil Gas 0 % 25 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐

Are all produced fluids from all commingled 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.

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 Janet Burns TITLE Reg. Tech. DATE 8/22/02
TYPE OR PRINT NAME Janet Burns TELEPHONE NO. (903) 561-2900

Attachments to C-107A

Mewbourne Oil Company
Carlsbad 22 State Com #1
Unit Letter C, Sec 22 T21S R26E
Eddy County, New Mexico

C-102 for each zone to be commingled showing its spacing unit and acreage dedication

Production curve is attached

Estimated production rates and supporting data

Test Data:

Strawn	8/13/02	260 MCFD, 2 BO, 0 BW: current production
Morrow	7/1/02	90 MCFD, 0 BO, 0 BW: last recorded production

Data to support allocation method or formula

Test as shown above for both zones

Notification list of working, royalty and overriding royalty interests for uncommon interest cases

No uncommon interests.

Any additional statements, data or documents required to support commingling

The well is completed with 5 1/2" OD casing. In order to dually complete the well to recover all economic reserves, the use of small diameter special clearance tubing would be required. Performing a dual completion as described could not be economically justified for a zone with limited deliverability. The addition of the Strawn as a commingled zone will prevent waste that would not otherwise be possible due to the increased cost to produce each individual zone. Commingling will prevent early abandonment of each production zone.

District I
P.O. Box 1980, Hobbs, NM 88241-1980

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

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Form C-101

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

Operator Name and Address Mewbourne Oil Company PO Box 5270 Hobbs, New Mexico 88241		OGRID Number 14744
		API Number 30 - 015-29851
Property Code 21595	Property Name Carlsbad 22 State Com	Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
C	22	21S	26E		896	North	1764	West	Eddy

Proposed 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
Und. Strawn					Proposed Pool 2				

Work Type Code P	Well Type Code G	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3225
Multiple	Proposed Depth	Formation Strawn	Contractor TBA	Spud Date 08-02-98

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

²²Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Mewbourne Oil Company is currently producing the Morrow @ 11062-72'. MOC would like to isolate these perms & attempt a Strawn test from 9668-9965'. If successful, MOC would apply for commingle of Strawn & Morrow. MOC plans to use 7 1/16" x 3000 psi BOP during test.

²⁴I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: N.M. Young

Title: District Manager

OIL CONSERVATION DIVISION

Approved By: ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date: JUN 03 2002

Expiration Date:

JUN 03 2003

DISTRICT II

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

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name CARLSBAD 22 STATE	Well Number 1
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3225

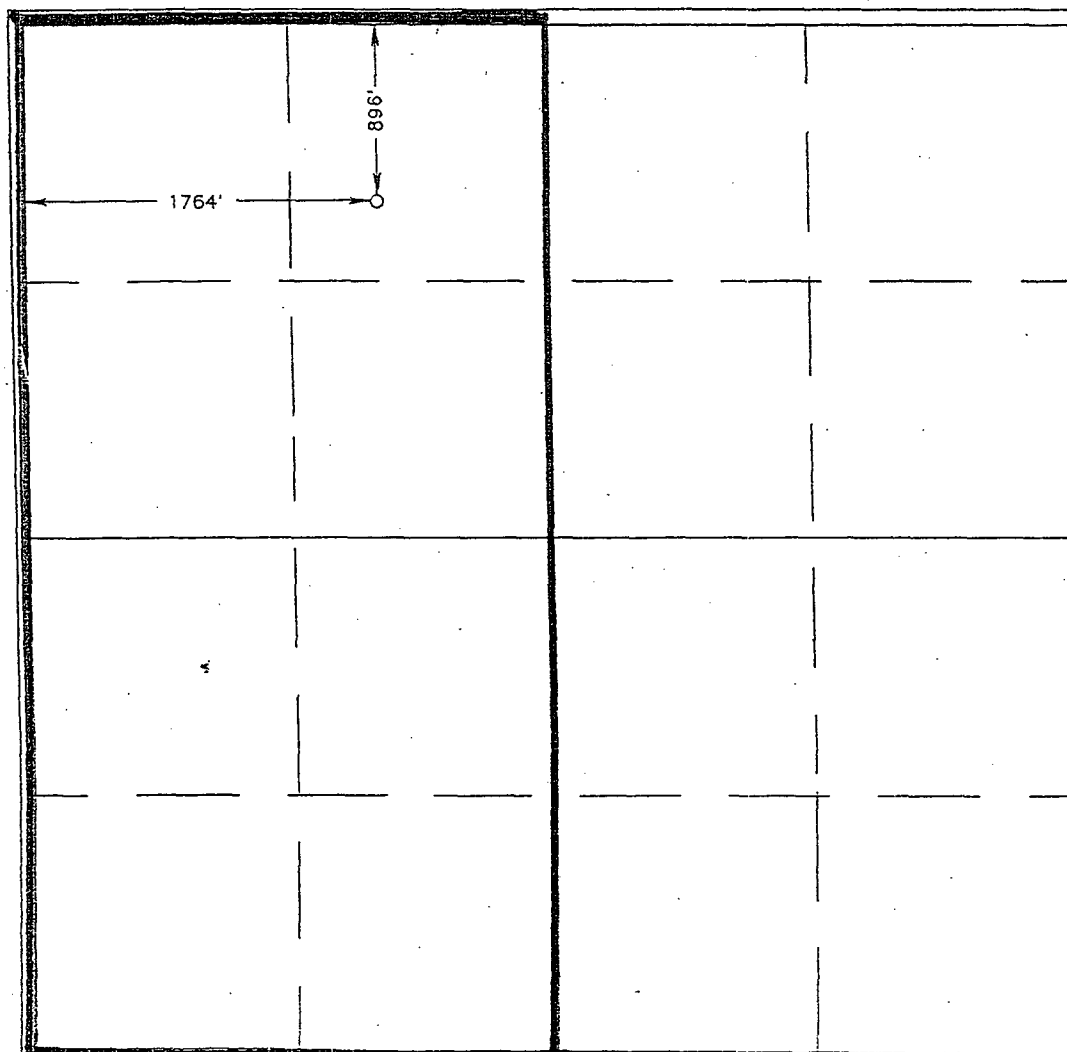
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	21 S	26 E		896	NORTH	1764	WEST	EDDY

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	Joint or Infill	Consolidation Code	Order No.
320			

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.

Steve Matthews
Signature
Steve Matthews
Printed Name
Drilling Super.
Title
04-21-98
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.

APRIL 20, 1998

Date Surveyed DMC

Signature & Seal of
Professional Surveyor

Ronald E. Redson
Signature
RONALD E. REDSON
Professional Surveyor
4-21-98
06-11-0648

Certificate No. RONALD E. REDSON 323
GARY E. REDSON 126
WASOM McDONALD 121

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

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

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code 31595	Property Name CARLSBAD 22 STATE	Well Number 1
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3225

Surface Location

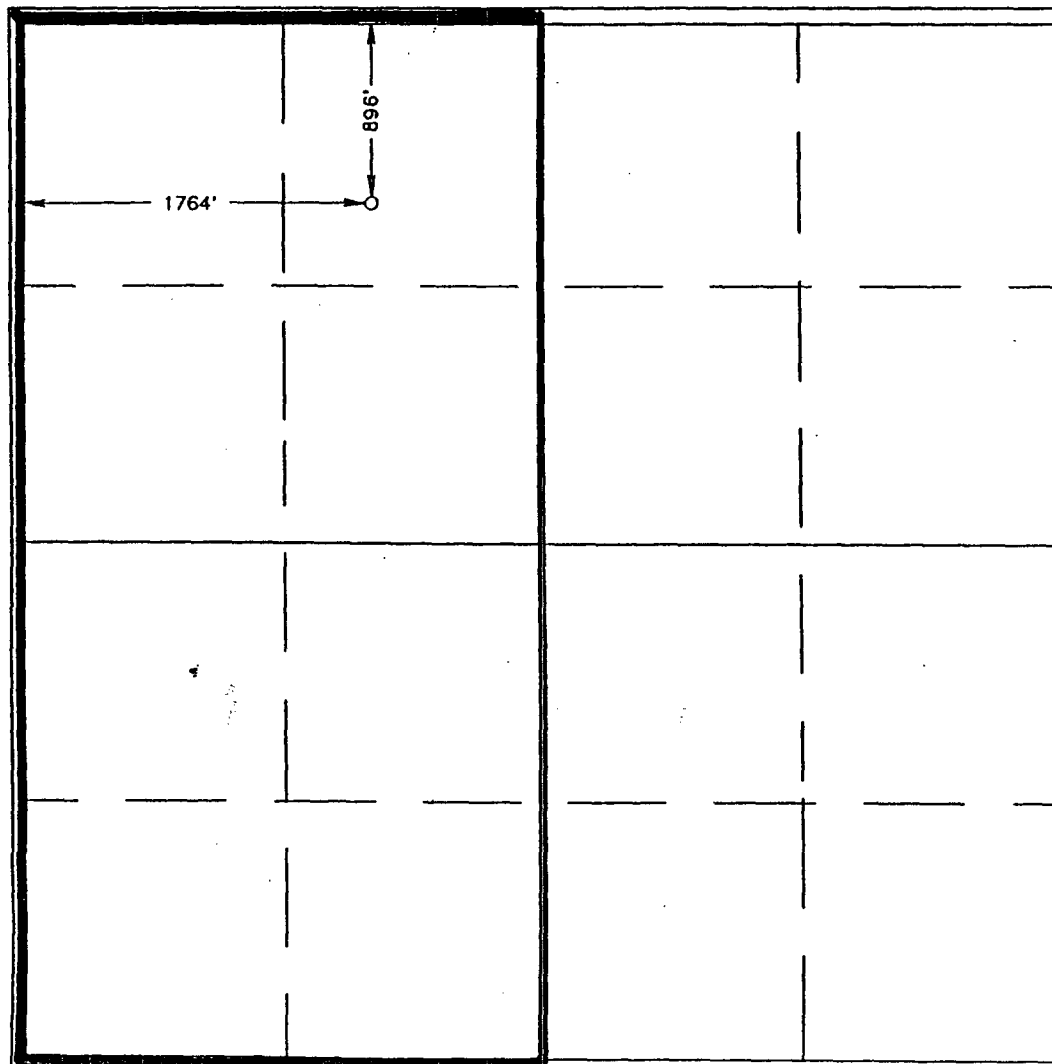
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	21 S	26 E		896	NORTH	1764	WEST	EDDY

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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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			NSL-4023

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.

Steve Matthews
Signature
Steve Matthews
Printed Name
Drilling Super.
Title
04-21-98
Date

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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.

APRIL 20, 1998

Date Surveyed
Signature & Seal of
Professional Surveyor

Ronald E. Edson
RONALD E. EDSON
3239
12641
12185
4-21-98
08-11-0648
Cert. No. RONALD E. EDSON 3239
CARY E. EDSON 12641
RONALD E. EDSON 12185

MEWBOURNE OIL CO.

FTP-PSI
WTR-BBL
GAS-MCF
OIL-BBL

10000
1000
10000
1000

1000
100
1000
100

100
10
100
10

10
1
10
1

MORROW PRODUCTION

LEASE : CARLSBAD 22 #1
RES CAT :
RESERVOIR : MORROW
FIELD : AVALON MORROW
COUNTY : EDDY
NOTES :

STRAWN PERFS 9948-9965'
STRAWN PERFS 9668-9788'

OIL-BBL *
Ref= 08/02
Cum= .067
GAS-MCF *
Ref= 08/02
Cum= 180.468
WTR-BBL *
Ref= 08/02
Cum= .330
FTP-PSI
Ref= 08/02
Cum= 49.259

J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J
2000 2001 2002 2003
DATE

