

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



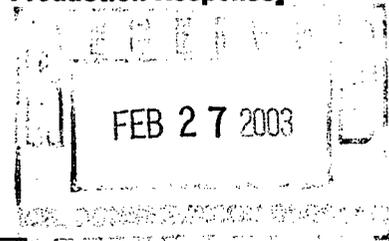
ADMINISTRATIVE APPLICATION CHECKLIST

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	<i>Ken M. Calvert</i>	Engineering Manager	2/25/03
Print or Type Name	Signature	Title	Date

e-mail Address

MEWBOURNE OIL COMPANY

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

February 26, 2003

UPS NEXT DAY AIR #N450 202 806 4

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

RE: Form C-107A
Burton Flat "5" Federal #4
Sec 5 T20S R28E
Burton Flat, North; Strawn (Gas) and Angell Ranch; Atoka-Morrow (Gas) Pools
Eddy Co., NM

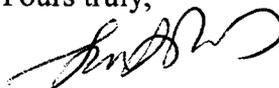
Dear Mr. Catanach:

Please find enclosed the following for the application to downhole commingle production from the Strawn and the Atoka-Morrow zones in the referenced well:

Form C-107A
Attachments information
Form C-102 for both zones
Production curve (Atoka-Morrow only)
Administrative Application Checklist

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

Yours truly,



Janet Burns
Reg. Tech.

cc: NMOCD - Artesia
Bureau of Land Management - Roswell, NM
Hobbs
Midland
Allen Brinson
Wayne Jones
Don Russell

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

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

Operator Mewbourne Oil Company Address P. O. Box 7698, Tyler, TX 75711

Lease Burton Flat "5" Federal #4 Well No. P - Sec 5, T20S, R28E Unit Letter-Section-Township-Range Eddy County

OGRID No. 14744 Property Code 7869 API No. 30-015-31628 Lease Type: Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	^{UNDES.} Burton Flat, North; Strawn (Gas)		Angell Ranch; Atoka-Morrow (Gas) ✓
Pool Code	73410		70310
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	10,295 - 10,303'		10,676 - 10,907'
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)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	60.0		N/A
Producing, Shut-In or New Zone	New Zone		Producing
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: Estimated rate: Rates: 15 BO, 300 MCFD, 0 BW	Date: Rates:	Date: 2/23/03 Rates: 0 BO, 170 MCFD, 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 100 % Gas 64 %	Oil % Gas %	Oil 0 % Gas 36 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled 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 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:

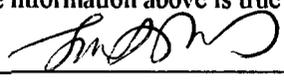
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation 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  TITLE Reg. Tech. DATE 2/26/03

TYPE OR PRINT NAME Janet Burns TELEPHONE NO. (903) 561-2900

Attachments to C-107A

Mewbourne Oil Company
Burton Flat "5" Federal #4
Unit Letter P, Sec 5 T20S R28E
Burton Flat, North; Strawn (Gas) and Angell Ranch; Atoka-Morrow (Gas) Pools
Eddy Co., NM

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

Production curve is attached (Atoka-Morrow only)

Estimated production rates and supporting data

Test Data:

Atoka-Morrow	2/23/03	170 MCFD, 0 BO, 0 BW: current production
Strawn		300 MCFD, 15 BO, 0 BW: estimated initial 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. To produce the Strawn interval (upper zone) up the annulus (5 1/2" - 2 7/8") is not recommended due to liquid loading and insufficient velocity to lift produced fluids with the estimated gas rates listed above. 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



State of New Mexico
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 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 30-015-31628		Pool Code 70310	Pool Name Angell Ranch; Atoka-Morrow (Gas)
Property Code 7869	Property Name BURTON FLAT 5 FEDERAL		Well Number 4
OGRID No. 14744	Operator Name MEWBOURNE OIL CO.		Elevation 3289

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	5	20 S	28 E		660	SOUTH	660	EAST	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 320	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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Terry Burke</i> Signature</p> <p>Terry Burke Printed Name</p> <p>Drilling Foreman Title</p> <p>January 8, 2001 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>DECEMBER 30, 00 Date Surveyed</p> <p>Signature & Seal of Professional Surveyor <i>Ronald E. Edson</i> 01/02/01 60-11-1622</p> <p>Certificate No. RONALD E. EDSON 3239 GARY EDSON 12841</p>

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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Property Code 7869	Property Name BURTON FLAT 5 FEDERAL	Well Number 4
OGRID No. 14744	Operator Name MEWBOURNE OIL CO.	Elevation 3289

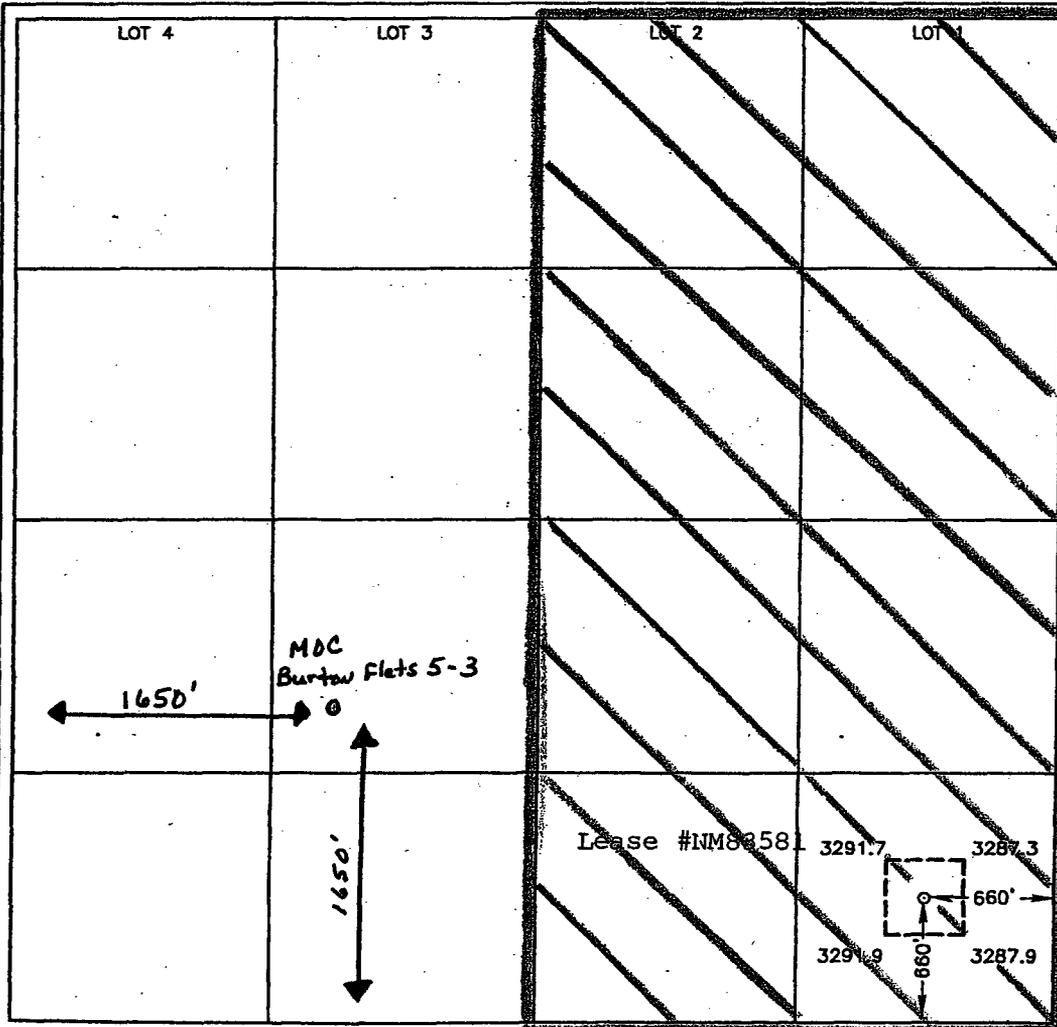
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	5	20 S	28 E		660	SOUTH	660	EAST	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 320	Joint or Infill	Consolidation Code	Order No.						

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OPERATOR CERTIFICATION

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

Janet Burns
Signature

Janet Burns
Printed Name

Reg. Tech.
Title

2/24/03
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.

DECEMBER 30, 00
Date Surveyed

AWB
Signature & Seal of Professional Surveyor

Ronald E. Edson
Signature

60-11-1522
Professional Surveyor

Certificate No. RONALD E. EDSON 3239
GARY EDSON 12641

MEWBOURNE OIL COMPANY
 BURTON FLAT "5" FEDERAL #4
 ANGELL RANCH; AYOKA-MORROW (GAS)

FTP-PSI
 MTR-BBL
 GAS-MCF
 OIL-BBL

10000
 10000
 10000
 1000

1000
 1000
 1000
 100

100
 100
 100
 10

10
 10
 10
 1

LEASE : BURTON FLAT 5-4
 RES CAT : PDNP
 RESERVOIR : M. & UPPER MORROW
 FIELD : ANGELL RANCH
 COUNTY : EDDY
 NOTES :

OIL-BBL *-*-*
 Ref= 02/03
 Cum= .198

GAS-MCF *-*-*
 Ref= 02/03
 Cum= 128.899

MTR-BBL *-*-*
 Ref= 02/03
 Cum= .757

FTP-PSI *-*-*
 Ref= 02/03
 Cum= 71.631

DATE
 2002
 2003

