

DATE IN 8/18/06	SUSPENSE	ENGINEER WILL JONES	LOGGED IN 8/21/06	TYPE DHC 3779	APP NO. p-MS0623348064
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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.**

_____ 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**

2006 AUG 18 AM 10 56  
August 16, 2006

UPS NEXT DAY AIR #1Z F69 8E8 01 9135 4979

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

RE: Form C-107A  
Mosley Canyon "4" State Com #1  
Sec 4 T24S R25E  
Mosley Canyon; Strawn (Gas) and Mosley Canyon; Atoka (Gas) Pools  
Eddy Co., NM

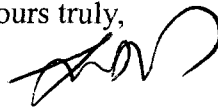
Dear Mr. Jones:

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

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

A copy of Form C-107A is being mailed today to the 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  
State Land Office  
Hobbs  
Midland  
Allen Brinson  
Wayne Jones  
Don Russell

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

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

Oil Conservation Division

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

DAC-3779

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

Operator Address  
Mosley Canyon 4 St Com #1 4 Sec 4, T24S, R25E Eddy

Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 14744 Property Code 34900 API No. 30-015-34160 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE UNDES	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Mosley Canyon; Strawn (Gas)		Mosley Canyon; Atoka (G)
Pool Code	81470		97493
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	9,656 - 9,762'		9,960 - 9,998'
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)			
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: 8/10/06 Rates: 80 MCF, 0 BO, 1 BW	Date: Rates:	Date: 6/28/06 Rates: 320 MCF, 0 BO, 1 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 0 % 20 %	Oil Gas % %	Oil Gas 100 % 80 %

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  TITLE Reg. Tech. DATE 8/16/06

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

E-MAIL ADDRESS \_\_\_\_\_

## **Attachments to C-107A**

Mewbourne Oil Company  
Mosley Canyon "4" St Com #1  
Unit Letter 4, Sec 4 T24S R25E  
Mosley Canyon; Strawn (Gas) and Mosley Canyon; Atoka (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 only)**

**Estimated production rates and supporting data**

Test Data:

Atoka	6/28/06	320 MCFD, 0 BO, 1 BW: last recorded production
Strawn	8/10/06	80 MCFD, 0 BO, 1 BW: current 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 4 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 (4 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  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
611 South First, Artesia, NM 88210

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

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102  
Revised March 17, 1999

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34160	Pool Code 81470	Pool Name Mosley Canyon; Strawn (Gas)
Property Code 34900	Property Name MOSLEY CANYON "4" STATE COM	Well Number 1
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3740'

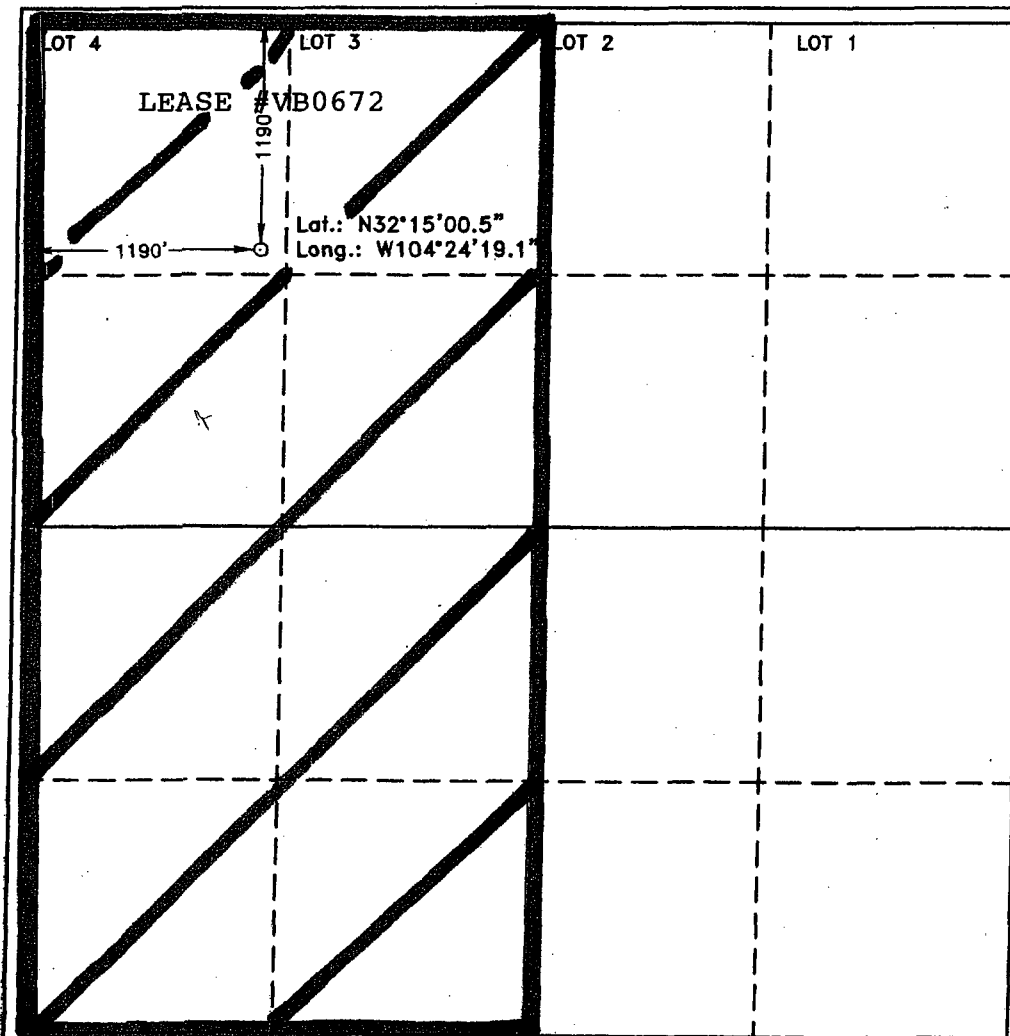
Surface Location

UL or lot No. LOT 4	Section 4	Township 24 S	Range 25 E	Lot Idn	Feet from the 1190	North/South line NORTH	Feet from the 1190	East/West line WEST	County EDDY
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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 320.95	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



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

8/14/06

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.

JUNE 1, 2005

Date Surveyed

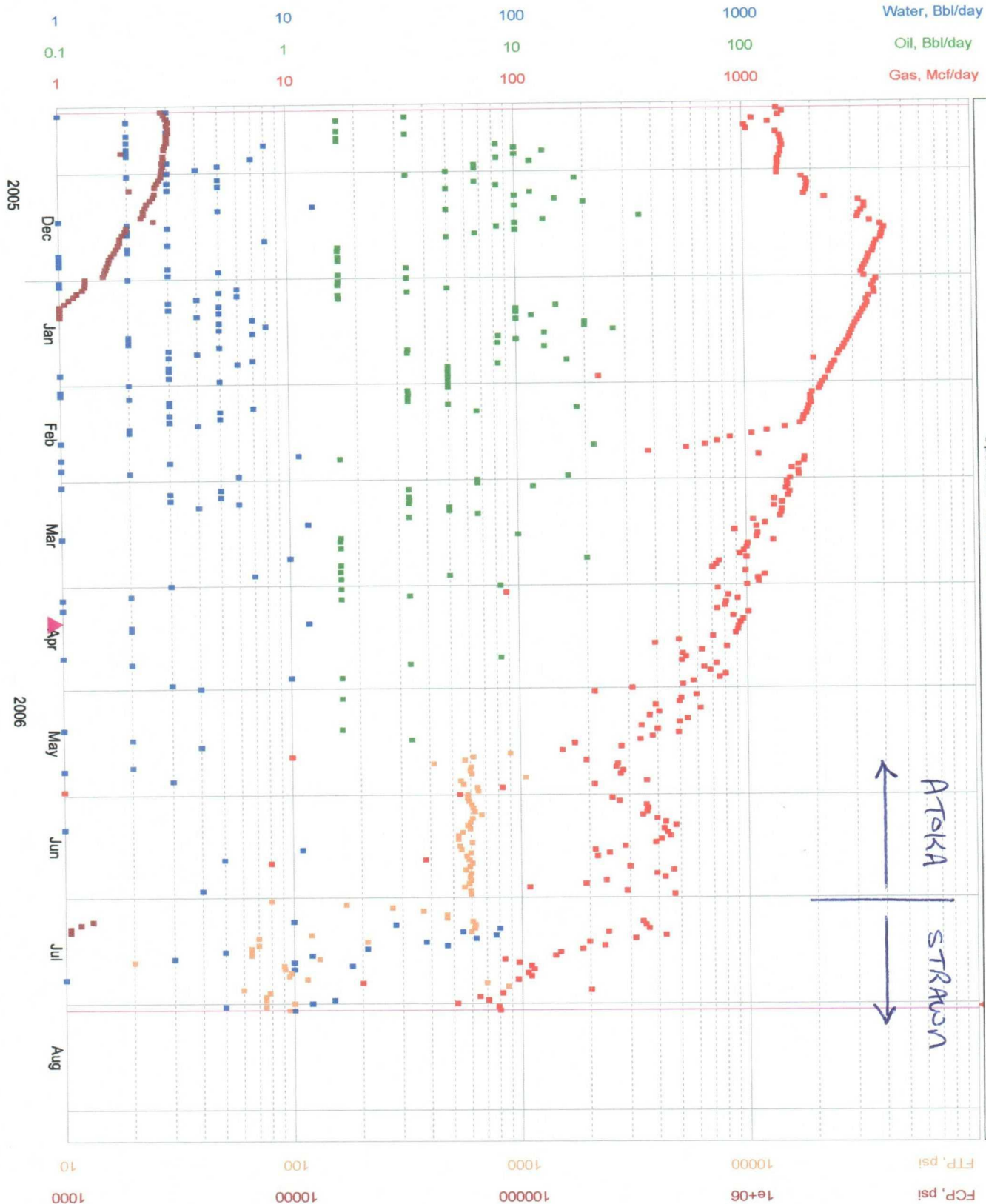
Signature & Seal of  
Professional Surveyor

*Gary L. Jones*

NEW MEXICO  
S. No. 3439  
Certified by Gary L. Jones 7977

# Lease: MOSLEY CANYON 4 ST #1

Location: 04-T24S-R25E  
Reservoir: STRAWN  
Field: MOSLEY CANYON  
City/State: EDDY, NM  
Operator: MEMBOURNE OIL COMPANY



Gas, Mcf/day 8/2006 336685  
Cum= 336685  
Oil, Bbl/day 8/2006 790  
Cum= 790  
Water, Bbl/day 8/2006 969  
Cum= 969  
FTP, psi 8/2006 33039  
Cum= 33039  
FCP, psi 8/2006 186522  
Cum= 186522

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Ken M. Calvert  
 Print or Type Name

*K.M. Calvert*  
 Signature

Engineering Manager  
 Title

8/16/06  
 Date

\_\_\_\_\_  
 e-mail Address