

ABOVE THIS LINE FOR DIVISION USE ONLY

4009

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
 X 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 X 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

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[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.

| | | | |
|--------------------|-----------|---------------------|---------|
| Sam Brandon | | Area Engineer | 3/24/08 |
| Print or Type Name | Signature | Title | Date |
| | | sbrandon1@ypcnm.com | |
| | | e-mail Address | |

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (575) 748-1471

S.P. YATES
CHAIRMAN EMERITUS
JOHN A. YATES
CHAIRMAN OF THE BOARD
FRANK YATES, JR.
PRESIDENT
PEYTON YATES
DIRECTOR
JOHN A. YATES, JR.
DIRECTOR

March 25, 2008

Will Jones
State of New Mexico
OIL CONSERVATION DIVISION
1220 South Saint Francis Drive
Santa Fe, NM 87505

RECEIVED
2008 MAR 27 PM 1 05

Re: Strait State Unit #5

Dear Mr. Jones:

Enclosed please find a copy of form C-107A (Application for Downhole Commingling) on Yates Petroleum Corporation Strait State Unit #5 of 20-10S-34E, Eddy County, New Mexico.

If you have any questions or need additional information, please call me at (505) 748-4361.

Sincerely,

Debbie Chavez
Engineering Technician

Enclosure(s)

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

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

District III
1000 Rio Brazos Road, A/tec, 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

Yates Petroleum Corporation

105 South Forth Street, Artesia, NM 88210

Operator

Address

DHC-4009

Strait State Unit #5

Unit L - Section 20 - 10S-34E

Lea

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

OGRID No. 025575 Property Code 052653 API No. 30-025-38169 Lease Type: Federal State Fee

| DATA ELEMENT | UPPER ZONE | INTERMEDIATE ZONE | LOWER ZONE |
|--|--|-------------------|--|
| Pool Name | <i>UNDES</i> X-4 Ranch; Atoka (G) | | <i>UNDES</i> X-4 Ranch, Morrow (G) |
| Pool Code | 97090 ✓ | | 97049 ✓ |
| Top and Bottom of Pay Section (Perforated or Open-Hole Interval) | 11,078-12,000' | | 12,055-12,058' |
| 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) | 1203 BTU | | 1203 BTU |
| Producing, Shut-In or New Zone | New Zone | | New Zone |
| 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: New Zone Rates: | | Date: New Zone Rates: |
| 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 Allocation % will be submitted when completed | | Oil Gas Allocation % will be submitted when completed |

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 Sam Brandon TITLE Operations Engineer DATE 3/25/08

TYPE OR PRINT NAME Sam Brandon TELEPHONE NO. (505) 748-4281

E-MAIL ADDRESS sbrandon@ypcnm.com

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources I
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

ATTACHMENT A

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|--|--|--|--|---|--|
| ¹ API Number 30-025-38169 | | ² Pool Code 97090 | | ³ Pool Name X-4 Ranch; Atoka (G) | |
| ⁴ Property Code 052653 | | ⁵ Property Name Strait State Unit | | | ⁶ Well Number 5 |
| ⁷ OGRID No. 025575 | | ⁸ Operator Name Yates Petroleum Corporation | | | ⁹ Elevation 4,231 |

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 |
|---------------|-----------|------------|------------|---------|---------------|------------------|---------------|----------------|------------|
| L | 20 | 10S | 34E | | 1,980' | FSL | 990' | FWL | 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 320 | 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.

Debbie Chavez
Signature

Debbie Chavez
Printed Name
Engineering Technician

Title and E-mail Address
3/24/08

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
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1301 W. Grand Avenue, Artesia, NM 88210
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|--|--|--|
| ¹ API Number 30-025-38169 | ² Pool Code 97049 | ³ Pool Name X-4 Ranch; Morrow (G) |
| ⁴ Property Code 052653 | ⁵ Property Name Strait State Unit | |
| ⁷ OGRID No. 025575 | ⁸ Operator Name Yates Petroleum Corporation | |
| | | ⁶ Well Number 5 |
| | | ⁹ Elevation 4,231 |

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 |
|---------------|-----------|------------|------------|---------|---------------|------------------|---------------|----------------|------------|
| L | 20 | 10S | 34E | | 1,980' | FSL | 990' | FWL | Lea |
| | | | | | | | | | |

¹¹ Bottom Hole Location If Different From Surface

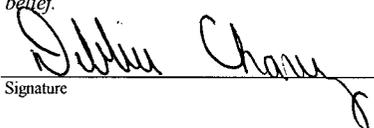
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|-------------------------------|----------------------------------|-------------------------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| ¹² Dedicated Acres 320 | 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

| | | | |
|---------------|--|--|--|
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| | | | |
| ¹⁶ | | | |

¹⁷ OPERATOR CERTIFICATION

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


Signature

Debbie Chavez
Printed Name

Engineering Technician

Title and E-mail Address

3/24/08

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

ATTACHMENT B

The X-4 Ranch; Morrow is a new zone and production curves are not available.

ATTACHMENT C

Strait State Unit No. 5

Estimated Production Rate

Atoka (11978'-12000') – Estimate rate to be 541 MCFD. This is based on initial producing rate at the Strait State Unit No. 4.

Morrow (12055'-12058') – Estimate rate to be 59 MCFD based on net pore volume calculation where:

Atoka = Avg porosity x (1-avg water sat) x net feet = 0.898

Morrow = Avg porosity x (1-avg water sat) x net feet = 0.1094

Total estimated rate = 600 MCFD

$0.898 / 0.1094 = .098236$

$.098236 \times 600 \text{ MCFD} = 58.9 \text{ MCFD} = \text{estimated Morrow production.}$

ATTACHMENT D

The X-4 Ranch; Atoka is a new zone and production curves are not available.

•

There are no working, royalty and overriding royalty interests in this well other than Yates Petroleum Corporation

ATTACHMENT E

We need to complete both zones to make an economic well.