

1393

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER



If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

OMB No. 1004-0136  
Expires November 30, 2000

5. Lease Serial No.  
**NM-80645**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.  
**Lily ALY Federal #10**

9. API Well No.  
**30-015-35372**

10. Field and Pool, or Exploratory  
**Ingle Wells Delaware**

11. Sec., T., R., M., or Blk, and Survey or Area  
**Section 3, T24S-R31E**

12. County or Parish  
**Eddy County**

13. State  
**NM**

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone

2. Name of Operator

**Yates Petroleum Corporation**

3A. Address **105 South Fourth Street  
Artesia, New Mexico 88210**

3b. Phone No. (include area code)  
**(505) 748-1471**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface **1650' FSL and 1650' FEL**  
At proposed prod. Zone **Same**

14. Distance in miles and direction from nearest town or post office\*  
**Approximately 24 miles east of Loving, New Mexico.**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
**1650'**

16. No. of Acres in lease  
**320.11**

17. Spacing Unit dedicated to this well  
**NW/SE**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
**1000'**

19. Proposed Depth  
**8500'**

20. BLM/BIA Bond No. on file  
**585997**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**3456' GL**

22. Approximate date work will start\*  
**ASAP**

23. Estimated duration  
**45 days**

24. Attachments **Carlsbad Controlled Water Basin**

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized office.

25. Signature

Name (Printed/Typed)

**Cy Cowan**

Date

**9/11/2006**

Regulatory Agent

Regulatory Agent

Approved by (Signature) **/s/ Linda S.C. Rundell**

Name (Printed/Typed)

**/s/ Linda S.C. Rundell**

Date

**JAN 03 2007**

Title **STATE DIRECTOR**

Office

**NM STATE OFFICE**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

**APPROVAL FOR 1 YEAR**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

C-144 attached

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED**

**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 Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number	<sup>2</sup> Pool Code 33745	<sup>3</sup> Pool Name Ingle Wells; Delaware
<sup>4</sup> Property Code	<sup>5</sup> Property Name Lily "ALY" Federal	<sup>6</sup> Well Number 10
<sup>7</sup> OGRID No. 025575	<sup>8</sup> Operator Name Yates Petroleum Corporation	<sup>9</sup> Elevation 3456

**<sup>10</sup> Surface Location**


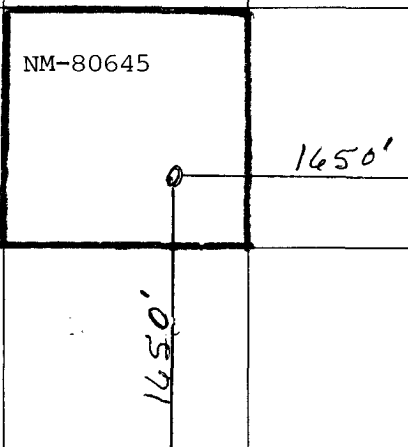
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	3	24 S	31 E		1650	South	1650	East	Eddy

**<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<div style="text-align: center;">  </div>	<b><sup>17</sup> OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
	Signature: <u>Cy Cowan</u> Date: <u>1/17/2007</u> Printed Name: <u>Cy Cowan, Regulatory Agent</u>
<div style="text-align: center;">  </div>	<b><sup>18</sup> 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.
	Date of Survey: _____ Signature and Seal of Professional Surveyor: _____ <b>REFER TO ORIGINAL PLAT</b> Certificate Number: _____

## 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 33745	Pool Name Ingle Wells; Delaware
Property Code	Property Name LILY "ALY" FEDERAL	Well Number 10
OGHD No. 025575	Operator Name YATES PETROLEUM CORPORATION	Elevation 3456

### Surface Location

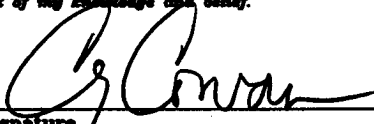

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	3	24S	31E		1650	SOUTH	1650	EAST	EDDY

## 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
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

**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><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p></p> <p>Signature _____</p> <p>Cy Cowan</p> <p>Printed Name _____</p> <p>Regulatory Agent</p> <p>Title _____</p> <p>August 24, 2006</p> <p>Date _____</p>
				<p><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>8/01/2006</p> <p>Date Surveyed _____</p> <p>Signature &amp; Seal of Professional Surveyor _____</p>
	<p>N.32°14'37.2" W.103°45'44.9" N.452852.8 E.717827.9 (NAD-83)</p>	<p>NM-80645</p> <p>3455 3459</p> <p>1650'</p> <p>1660'</p>		<p></p> <p>Certificate No. Herschel Jones RLS 3640</p> <p>NEW MEXICO</p> <p>3640</p> <p>FEDERAL</p> <p>GENERAL SURVEYING COMPANY</p>

0 330' 660' 990' 1650' 1980' 2310' 2310' 1980' 1650' 990' 660' 330' 0'

**YATES PETROLEUM CORPORATION**

**Lily ALY Federal #10**

**1650' FSL & 1650' FEL**

**Section 3-T24S-R29E**

**Eddy County, New Mexico**

1. The estimated tops of geologic markers are as follows:

Rustler	650'	Brushy Canyon Marker	7050'
Top of Salt	990'	Brushy Canyon	8100'
Base of Salt	4140'	Bone Spring	8240'
Bell Canyon	4410'	TD	8500'
Cherry Canyon	5320'		

2. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approx 192'

Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 8 5/8" casing and rated for 3000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings, which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

**Auxiliary Equipment:**

- A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.

4. THE PROPOSED CASING AND CEMENTING PROGRAM:

- A. Casing Program: (All New)

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft</u>	<u>Grade</u>	<u>Coupling</u>	<u>Interval</u>	<u>Length</u>
17 1/2"	13 3/8"	48#	H-40	ST&C	0-650'	650'
11"	8 5/8"	32#	J-55	ST&C	0-100'	100'
11"	8 5/8"	24#	J-55	ST&C	100'-2100'	2000'
11"	8 5/8"	32#	J-55	ST&C	2100'-4300'	2200'
7 7/8"	5 1/2"	17#	J-55	LT&C	0-100'	100'
7 7/8"	5 1/2"	15.5#	J-55	LT&C	100'-7300'	7200'
7 7/8"	5 1/2"	17#	J-55	LT&C	7300'-8500'	1200'

Yates Petroleum Corporation requests a variance to install a rotating head on the surface casing strings when intermediate casing will be set. If a BOP system is required then we wish to install a 2M system and receive a variance to test the system to 1000# using the rig pumps. The test will be held for 30 minutes on each system component. Components to be tested include pipe rams, blind rams, and annular preventer.

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8

**B. CEMENTING PROGRAM:**

Surface casing: 325 sx Hal LtPr+"C" (YLD 1.97 WT 12.5), Tail in w/ 200 sx Premium PI (YLD 1.35 WT 14.8).

Intermediate Casing: 1000 sx Hal LtPr+"C" (YLD 1.97 WT 12.5); Tail in w/ 200 sx Premium PI (YLD 1.35 WT. 14.8).

Production Casing: 400 sx Super "H" (YLD 1.66 WT 13.0). Tail in w/ 775 sx Lite Crete (YLD 2.78 WT 9.90), and 100 sx Pecos Vilt (YLD 1.41 WT 13.0).

## 5. Mud Program and Auxiliary Equipment:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-650'	Fresh Water	8.4-8.6	32-34	N/C
650'-4300'	Brine	10.0-10.2	28	N/C
4300'-8400'	Fresh Water	8.7-9.0	28	N/C
8400'-8500'	Cut Brine	9.0-9.2	28	<15-20cc

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

## 6. EVALUATION PROGRAM:

Samples: 10' samples 30' to 4500', 10' samples 4500'-TD.

Logging: Platform HALS; CMR.

Coring: None Anticipated.

DST's: As warranted.

## 7. Abnormal Conditions, Bottom hole pressure and potential hazards:

Anticipated BHP:

From: O	TO: 650'	Anticipated Max.	BHP: 290	PSI
From: 650'	TO: 4300'	Anticipated Max.	BHP: 2280	PSI
From: 4300'	TO: 8500'	Anticipated Max.	BHP: 4065	PSI

No abnormal pressures or temperatures are anticipated.

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None

Maximum Bottom Hole Temperature: 168 F

## 8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 30 days to drill the well with completion taking another 15 days.