N.M. Off Cons. DIV-Dist. 2 1301 W. Grand Avenue Artesia, NM 88210

Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED

OMB No. 1004-0136 Expires November 30, 2000

Lease Serial No.

APPLICATION FOR PERMIT TO DRILL OR REENTER A Type of Work: DRILL REENTER To Many Applicable	BUREAU OF LAND MANAG	NM-16324				
Type of Work: DRILL	ADDITION FOR DEDMIT TO D	6. If Indian, Allottee or Tribe Name				
Not Applicable S. Lease Name and Well No. 2 18 Single Zone Not Applicable S. Lease Name and Well No. 2 18 Single Zone Not Applicable S. Lease Name and Well No. 2 18 Single Zone Not Applicable S. Lease Name and Well No. 2 18 Single Zone Not Applicable S. Lease Name and Well No. 2 18 Single Zone Not Applicable S. Lease Name and Well No. 2 18 Single Zone Not Applicable S. Lease Name and Well No. 2 18 Single Zone Single	APPLICATION FOR PERMIT TO D	RILL OR REENTER	A SEE	Not App	licable	
Not Applicable St. Lease Name and Well No. 2 18 Single Multiple Zone St. Lease Name and Well No. 2 18 St. Lease Nam	1a. Type of Work: X DRILL RE	ENTER		7. If Unit or CA Agreem	ent, Name and No.	
2. Name of Operator 2. Name of Operator 3. Address 105 South Fourth Street Artesia, New Mexico 88210 4. Location of Well (Region Location clearly and in accordance with any State requirements.*) 4. Location of Well (Region Location clearly and in accordance with any State requirements.*) 4. Location of Well (Region Location of well (Region Location from nearest torn or post office* NENW 660' FNL and 1980' FWL Alt prosped prod. Zone Same as above Section 29, 775-R26E 12. County or Parish 13. State Chaves County New Mexico Same as above Section 29, 775-R26E 12. County or Parish 13. State Chaves County New Mexico New Mexico Same as above 16. No of Acres in lease Location to location from nearest torn or post office* Approximately twenty-eight (28) miles Northeast from Roswell, NM Distance from proposed* Location to remove drig, unit line, if any) Also to remove drig, unit line, if any) Also to remove drig, unit line, if any) Also to remove drig, unit line, if any) ASAP 30 Days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form: 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 5. Operator certification Chaves County Name (Printed/Tiped) Dabbie L. Caffall Ph: 505-748-4364 May 3, 2005 Title Assistant Field Manager, Name (Printed/Tiped) Dabbie L. Caffall Ph: 505-748-4364 May 3, 2005 Title Assistant Field Manager, Name (Printed/Tiped) Dabbie L. Caffall Ph: 505-748-4364 May 3, 2005	,,			Not App	licable	
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Yates Petroleum Corporation 255.75 30 - 0.00 - 6.337 3a. Adress 105 South Fourth Street 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory			Multiple Zone	Charlotte Fede	_	
3A. Address 10S South Fourth Street Artesia, New Mexico 88210 4. Location of Vell (Report location clearly and in accordance with any State requirements.*) 4. Location of Vell (Report location clearly and in accordance with any State requirements.*) 4. Location of Vell (Report location clearly and in accordance with any State requirements.*) 4. Location of Vell (Report location clearly and in accordance with any State requirements.*) 4. Location of Vell (Report location clearly and in accordance with any State requirements.*) 4. Location of Vell (Report location from nearest town or post office* Approximately twenty-eight (28) miles Northeast from Roswell, NM 15. Destance to one possed proposed proposed or proposed or proposed proposed proposed proposed proposed location* (As to nearest drig, unit line, if any) (B. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, it in this lease, it in this lease, it is not in lease, and the state of the proposed location* to nearest well, drilling, completed, applied for, on this lease, it is not in lease, and the state of the proposed location* to nearest well, drilling, completed, applied for, on this lease, it is not in lease, and the state of the proposed location* to not nearest well, drilling, completed, applied for, on this lease, it is not in lease, and the proposed location* The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. I, shall be attached to this form: 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized office. Application approval desired surveyor. Application approval desired surveyor. Applicati	2. Name of Operator	A = = = F		l ' / =	c = (> 7 >	
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	operations thereon.	<u> </u>			F1	
M. 10110 C C	Conditions of approval, if any, are attached.					
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.	Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, make it a States any false, fictitious or fraudulent statements or representations as to	crime for any person knowingly and	d willfully to mal	ke to any department or age	ncy of the United	
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CEMENT TO COVER ALL OIL, GAS AND WATER BEARING ZONES & Glaniera

District I
1625 N. French Dr., 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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe

Form C-144

March 12, 2004

105 South Fourth Street, Artesia, NM 88210

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes CheckBoxl Type of action: Registration of a pit or below-grade tank Closure of a pit or below-grade tank Operator: Yates Petroleum Corporation __Telephone: _505-748-4376_e-mail address: __debbiec@ypcnm.com Address: 104 South 4th Street, Artesia, New Mexico 88210 Facility or well name: Charlotte Federal Com. #6 API #: 30-005-63375 U/L or Qtr/Qtr_NENW_Sec_29_T_7S_R_26E County: Chaves Latitude_ NAD: 1927 🗌 1983 🗌 Surface Owner: Federal 🕇 State 🔲 Private 🔲 Indian 🔲 Longitude Pit Below-grade tank Type: Drilling Production Disposal Volume: ____bbl Type of fluid: ___ Workover 🔲 Emergency 📋 Construction material: Lined \ Unlined Double-walled, with leak detection? Yes If not, explain why not. Liner type: Synthetic Thickness 12 mil Clay Volume Less than 50 feet Depth to ground water (vertical distance from bottom of pit to seasonal high (20 points) 50 feet or more, but less than 100 feet (TV points) water elevation of ground water.) 100 feet or more (0 points) Wellhead protection area: (Less than 200 feet from a private domestic (20 points) Nο water source, or less than 1000 feet from all other water sources.) (0 points) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) 20 Ranking Score (Total Points) If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: onsite offsite If offsite, name of facility __. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth below ground surface_____ ____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations. I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit (2), or an (areached) alternative OCD-approved plan []. Printed Name/Title Robert Asher/Regulatory Agent Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

As a condition of approval, if during construction water is encountered or if water seeps in pits after construction the OCD MUST BE CONTACTED IMMEDIATELY!

Printed Name/Title

Field Supervisor

Signature

AS A CONDITION OF APPROVAL, A DETAILED CLOSURE PLAN
MUST BE APPROVED BEFORE CLOSURE MAY COMMENCE.

rench Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102

ander.II 811 South First, Artesia, NM 88210

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

Revised August 15, 2000

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Submit to Appropriate District Office State Lease - 4 Copies

District IV

Fee Lease - 3 Copies

1220 S. St. Francis	Dr., Santa I	•							AMENDED REPOR
		<u>v</u>	<u>VELL L</u>			REAGE DEDIC	CATION PLA	T	
•	API Numbe	T		² Pool Cod	e		³ Pool Na	me	
							Wildcat Pred	ambrian	
⁴ Property (Code				⁵ Property	Name			Well Number
				CH	IARLOTTE FEE	DERAL COM.			6
⁷ OGRID I	No.				* Operator	Name		⁹ Elevation	
02557	5	Yates Petroleum Corporation				-	3571'		
						Location			
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West)	line County
С	29	7\$	26E		660	North	1980	West	
			¹¹ B	ottom Ho	ole Location 1	If Different From			
UL or lot no.	Section	Township	Range	Let ldn	Feet from the	North/South line	Feet from the	East/West l	ine County
12 Dedicated Acres	13 Joint o	r Infill 14 C	onsolidation	Code 15 Oi	rder No.	<u> </u>			

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** 660, hereby certify that the information contained herein is rue and complete to the best of my knowledge and 1980' <u>Pat Perez</u> Regulatory Agent NM-16324 FEE 3/20/2003 ¹⁸SURVEYOR CERTIFICATION hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by NM-17793 FEE ne or under my supervision, and that the same is true and correct to the best of my belief. REFER TO ORIGINAL PLAT Date of Survey Signature and Seal of Professional Surveyor. FEE FEE ertificate Number

YATES PETROLEUM CORPORATION Charlotte Federal Com. #6

660' FNL & 1980' FWL Section 29, T7S-R26E Chaves County, New Mexico

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

San Andres	480'
Glorieta	1465'
Yeso	1580'
Tubb	3005'
Abo	3730'
Wolfcamp	4380'
Cisco	4780'
Basement	4900'
TD	5000'

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

Water:

150'-200'

Oil or Gas: All potential zones

3. Pressure Control Equipment: BOPE will be installed on the 8 5/8" casing and rated for 2000# 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:

- Α. 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.
- THE PROPOSED CASING AND CEMENTING PROGRAM: 4.
 - Α. Casing Program: (All New)

<u>Hole Size</u>	Casing Size	Wt./Ft	<u>Grade</u>	Coupling	<u>Interval</u>	<u>Length</u>
12 1/4" 7 7/8"	8 5/8" 5 1/2"	24# 15.5#		ST&C ST&C		950' 5000'

1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.80

Charlotte Federal Com. #6 Page 2

B. CEMENTING PROGRAM:

Surface casing:

325 sx. Lite "C" (Yld 2.0 Wt. 12.5). Tail in with

200 sx "C" + 2% CaCL2 (Yld 1.33 Wt. 15.6).

Production Casing:

300 sx Ultra Lite "C" Modified (Yld 1.34 Wt 13). TOC 3200'

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	Viscosity	Fluid Loss
0-950'	FW Gel/Paper/LCM	8.6-9.6	32-36	N/C
950'-3700'	Brine	10-10.2	28	N/C
3700'-5000'	Starch/Salt Gel	9.3-10.2	32-40	<10cc

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 out from surface casing.

Logging:

CNL/LDT W/NGT TD-Surf csg; with GR/CNL up to Surf, DLL/MS

FL TD-Surf csg: BHC Sonic TD-Surf csg.

Coring:

None.

DST's:

As warranted.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE, AND POTENTIAL HAZARDS:

Anticipated BHP:

From:

0 To: 950'

Anticipated Max. BHP:

400 PSI

950' From:

To:

5000"

Anticipated Max. BHP:

2200 PSI

Abnormal Pressures Anticipated: None

Lost Circulation zones anticipated: None

H2S Zones Anticipated: None

Maximum Bottom Hole Temperature: 145 F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 25 days to drill the well with completion taking another 20 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN Yates Petroleum Corporation

Charlotte Federal Com. #6

660' FNL & 1980' FWL Section 29, T7S-R26E Chaves County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 25 miles northeast of Roswell New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Proceed north of Roswell on Highway 285 to One Horse Road. Turn right (east) and go approximately 2.5 miles to Cottonwood Road. Turn left (north) on Cottonwood and go approximately 8 miles to Chaves Road: turn right (east) on Chaves and go 3.1 miles to San Juan Road. Turn right (south) and drive .2 of a mile to a white gate on the left (east) side. Drive approx. 0.5 of a mile to the Charlotte #5 where the road starts from the SE corner going NE to the SW corner of the well pad.

PLANNED ACCESS ROAD

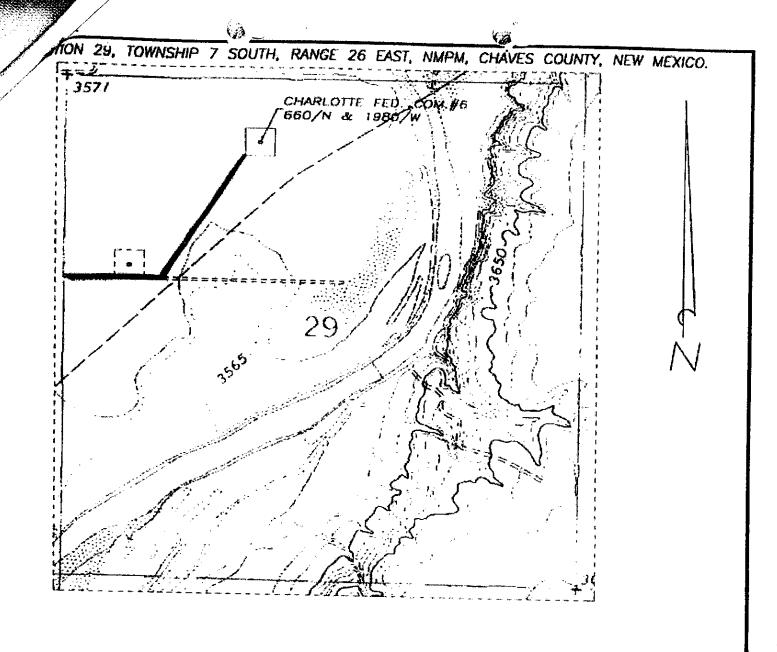
- A. The proposed new access road will be approximately 1500' in length from the point of origin to the southwest corner of the drilling pad. The road will lie in a south to northeast direction.
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. Existing roads will be maintained in the same or better condition.

3. LOCATION OF EXISTING WELL

- A. There is drilling activity within a one-mile radius of the wellsite.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed wellsite.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are production facilities on this lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

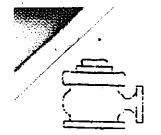


YATES PETROLEUM CORPORATION CHARLOTTE FEDERAL COM. #6 660' FNL and 1980' FWL Sec. 29, T7S-R26E Chaves County, New Mexico

EXHIBIT A-1

THE PREPARATION OF THIS PLAT AND THE PERFORMANCE OF THE SURVEY UPON WHICH II IS BASED WERE DONE UNDER MY	10 <u>00' 0 1000' 20</u> 00' Scale 1" = 50'
OF SAID SURVEY AND MEET THE REQUIREMENTS OF THE	YATES PETROLEUM CORP.
PROFESSIONAL ENGINEERS AND CANDISMAVEYORS. HEASCHEL L. LODES R. LLS No. 3640	LEASE ROAD TO ACCESS THE YATES CHARLOTTE FEDERAL COM. \$6 LOCATED IN SECTION 28, TOWNSHIP 7 SOUTH, RANGE 26 EAST, NMPM, CHAVES COUNTY, NEW MEXICO.
GENERAL SURVEYING COMPANY P.O. BOX 1928 LOVINGTON, NEW MEXICO 88260	Survey Data: 8/03/2000 Sheet 1 of 1 Sheets Drawn By: Ed Blevins W.O. March
LOVINGTON, OFFICIAL NEW MEXICO 88260	Date: B/05/00 Scale 1° = 1000° CHARLOTTE6





Yates Petroleum Corporation

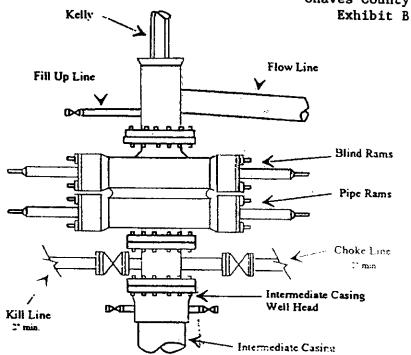
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Typical 2,000 psi Pressure System
Schematic

Double Ram Preventer Stack

YATES PETROLEUM CORPORATION CHARLOTTE FEDERAL COM. #6 660' FNL and 1980' FWL Sec. 29, T7S-R26E Chaves County, New Mexico



Typical 2,000 psi choke manifold assembly with at least these minimun features

