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PROPERTY NO.		2133				
POOL CODE	39	366				
Form 3160-3 EFF. DATE	19/	64				0
(August 1999) API NO 30	.02	5-36	960			1004-0136 mber 30, 2000
DEFARTMENT OF	CTRE INT.				5. Lease Serial No.	
BUREAU OF LAND M					NM-86148	
APPLICATION FOR PERMIT			ENTER		6. If Indian, Allottee o	r Tribe Name
1a. Type of Work: X DRILL	REENT	ER			7. If Unit or CA Agree	ement, Name and No.
					8. Lease Name and W	
b. Type of Well: 🔽 Oil Well 🗌 Gas 🔲 O	ther	\boxtimes	Single	Multiple Zone		
Well			Zone	·	Cleary AKC Fede	
2. Name of Operator Yates Petroleum Corporation					9. API Well No.	21260
3A. Address 105 South Fourth Street	3b.	Phone No. (ínclude area cod	le)	10. Field and Pool, or I	
Artesia, New Mexico 88210			505) 748-147	•	Wildcat	Exploratory
4. Location of Well (Report location clearly and in accordance v	vith any Sta			•		Blk, and Survey or Area
At surface 330' FNL AND 165	0' FWL,	NENW, 1	7-22Ş-32E	0		
	ame as a	above	Unit	<u>C</u>	Section 17-T22S	R32E
14. Distance in miles and direction from nearest town or post offi					12. County or Parish	13. State
Approximately 38 miles west & north of Jal, N 15. Distance from proposed*		No. of Acre	a in land	17 0	Lea	NM
location to nearest property or lease line, ft. 330'	10	. NO. OI ACTO	es in lease	17. Spacing U	nit dedicated to this well	
(Also to nearest drig. unit line, if any)			40		40	
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1350' 	19	Proposed I	-		Bond No. on file	
applied for, on this lease, ft.		89	00'	N	ationwide Bond #	NM-2811
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22	Approxima	te date work will	start*	23. Estimated duration	
3752' GL			ASAP			days
		24. Attacl			CONTROLLED WA	ATER BASIN
The following, completed in accordance with the requirements of	Onshore Oi	l and Gas Or	der No. 1, shall b	e attached to this	form:	
1. Well plat certified by a registered surveyor.		4	I. Bond to cove	er the operation	s unless covered by an exis	sting bond on file (see
2. A Drilling Plan.			Item 20 abov		2	U
3. A Surface Use Plan (if the location is on National Forest System	m Lands, th	e t	5. Operator cert	ification.		
SUPO shall be filed with the appropriate Forest Service Office.	• .	6	5. Such other si	te specific inform	nation and/or plans as may	be required by the
			authorized of	fice.		
25. Signature Cliffe R. May		1	(Printed/Typed)		D	ate
Title:		Clifto	on R. May			9/9/04
Regulatory Agent						
Approved by (Signature) /s/ Joe G. Lara		Name	(Printed/Typed)		T D	16 NOV 2004
				/s/ Joe G	Lara	0 110 1 2004
ACTING FIELD MANAGER	-	Office	C A D			
			CAR	LSBAD I	IELD OFFICE	
Application approval does not warrant or certify that the applicant operations thereon.	holds legal	or equitable	title to those righ	its in the subject	lease which would entitle	the applicant to conduct
Conditions of approval, if any, are attached.		or equitable		S APPF	ROVAL FOR 1	YEAR
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, ma States any false, fictitious or fraudulent statements or representation	ike it a crim	for any per	600 Soft Howingly as in its jurisdiction	nd willfully to m		
*(Instructions on reverse)		<u> </u>	ACT MIN			a
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ATTACHED				120		
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Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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		dedicated to the well, ou							
3. If mo	ore than one lease of	different ownership is d	edicated to the well	, have the interest of all	owners been o	xa solidat	ed by comm	munitization,	
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No allo	wable will be assigned	d to the well until all in	terests have been co	onsolidated (by commu	nitization, uniti	zation, fo	rced-pooling	g, or otherwise)	
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YATES PETROLEUM CORPORATION Cleary AKC Federal #3 330' FNL and 1650' FWL Section 17-T22S-R32E Lea County, New Mexico

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

Rustler	870'
Bottom of Salt	4440'
Bell Canyon	4685'
Cherry Canyon	5675'
Brushy Draw	7450'
Bone Spring	8600'
TD	8900'

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

Water: 250' to 500' Oil or Gas: 7450' & 8600'.

3. Pressure Control Equipment: BOPE will be installed on the 13 3/8" 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.

4. 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.

- 5. THE PROPOSED CASING AND CEMENTING PROGRAM:
 - A. Casing Program:

<u>Hole Size</u>	Casing Size	<u>Wt./Ft</u>	<u>Grade</u>	Coupling	Interval	Length
17 1/2""	13 3/8"	54.5#	J-55	ST&C	0-900'	900'
11"	8 5/8"	32#	J-55	ST&C	0-4200'	4200'
11"	8 5/8"	32#	HC-80	LT&C	4200-4550'	350'
7 7/8"	5 ½"	17#	J-55	LT&C	0-1500'	1500'
7 7/8"	5 ½"	15.5#	J-55	LT&C	1500-6700'	5200'
7 7/8"	5 1/2"	17#	J-55	LT&C	6700-8900'	2200'

- 1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, and Tensile Strength 1.8
- 2. A 3,000 psi BOP will be nippled up on the 13 3/8" casing and tested to 3000 psi.

B. CEMENTING PROGRAM:

Surface Casing: 550 sx Pacesetter Lite "C" w/1/4# Cellocel & 3% CaCl2 (YLD 1.84 WT 12.7). Tail in with 200 sx class "C" + 2% CaCl2 (YLD 1.84 WT 14.8).

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 Page Two

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Intermediate Casing: 1150 sx Pacesetter Lite "C" + ¼#/sx Celloseal + 10#/sx 3% CaCl2 (YLD 1.84 WT 12.7) and tail in with 250 sx class "C" + 2% CaCl2 (YLD 1.32 WT 14.8). Cement circulated to surface.

Production Casing: 1 st Stage: 250 sx "H" w/8# sx CSE, +0.6%CF-14+ 5# sx Gilsonite (YLD 1.76 WT 13.6). Cement calculated to 7700' with DV Tool set at approx. 7700'.

Second Stage: 450 sx "C" w/5# Gilsonite, $\frac{1}{4} \text{ # sx Cellocel}$, + 0.5% CF-14. (YLD2.04 WT 12.4) + 200 sx "H" + 0.5% CF-14 (YLD 1.18 WT 15.6). Cement calculated to tie back to intermediate casing 100'.

6. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	<u>Type</u>	Weight	Viscosity	Fluid Loss
0-900	FW Gel	8.4-8.9	32-36	N/C
900-4550	Brine	10.0	28	N/C
4500-TD	Cut Brine	8.9-9.3	28	<15cc

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. Rig personnel will check mud hourly.

7. EVALUATION PROGRAM:

Samples: Every 10' from surface casing to TD

Logging: CNL-FCO from TD to casing with GR-CNL up to surface; DLL from TD to casing Coring: None anticipated

- DST's: Any tests will be based on the recommendations of the well site geologist as Warranted by drilling breaks and shows
- 8. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE, AND POTENTIAL HAZARDS:

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None Anticipated

Maximum Bottom Hole Temperature: 140 F

9. ANTICIPATED STARTING DATE:

a the second second

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 15 days to drill the well with completion taking another 20 days.

and the second second

MULTI-POINT SURFACE USE AND OPERATIONS PLAN YATES PETROLEUM CORPORATION Cleary AKC Federal #3

330' FNL &1650' FWL Section 17-T22S-R32E Lea 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.

1. 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 well site is located approximately 38 miles west and north of Jal, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS: Go southeast out of Carlsbad, NM on Highway 285 to State Road 31. Go east on 31 to State Road 128 (Jal Hwy). Take 128 for approximately 16 miles to Red Road. Turn north and go approximately 7 miles (Mills Road will be on the left). Take the right on caliche road and go approximately 3.8 miles. Turn left and go 0.4 of a mile to the Cleary #1 well. Just past it , turn left and follow lease road approximately 1 mile. New road will start here and go north about 0.1 of a mile. Turn right and go approximately 0.1 of a mile to the northwest corner of the pad.

- 2. PLANNED ACCESS ROAD:
 - A. The proposed new access will be approximately 500' in length from the point of origin to the northwest corner of the drilling pad.
 - B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
 - C. The new road will be bladed with drainage on both sides. One traffic turnout may be needed.
 - D. The route of the road is visible.
 - E. Existing roads will be maintained in the same or better condition.
- 3. LOCATION OF EXISTING WELL:

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

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 a producing gas well.

The analysis was not

Cleary AKC Federal #3 Page Two

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5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with a brine water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

6. SOURCE OF CONSTRUCTION MATERIALS:

The dirt contractor will be responsible for finding a source of material for construction of road and pad and will obtain any permits that may be required.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. The reserve pits will be constructed and reclamation done according to NMOCD guidelines and Yates' approved pit general plan
- C. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
- E. Oil produced during operations will be stored in tanks until sold.
- F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- G. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not approved.
- 8. ANCILLARY FACILITIES: NONE
- 9. WELLSITE LAYOUT:
 - A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, pulling unit orientation and access road approach. Note: Pits to north.
 - B. The reserve pits will be plastic lined with 12 mil and meet the NMOCD Pit Standards.
 - C. A 600' x 600' area has been staked and flagged.

10. PLANS FOR RESTORATION:

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the well site in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.
- C. If the proposed well is plugged and abandoned, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be reclaimed according to the Yates' NMOCD approved general plan.

Figure in group of a

Cleary AKC Federal #3 Page Three

11. SURFACE OWNERSHIP:

Federal Lands under the supervision of the BLM. Surface leased to Mills Family Partnership.

- 12. OTHER INFORMATION:
 - A. This location was previously submitted and approve by BLM on 4/12/93.
 - B. Topography: Refer to the existing archaeological report number 93-NMAS-22-F done on 2/22/93 for a description of the topography, flora, fauna, soil characteristics, dwellings, and historical and cultural sites.
 - C. The primary surface use is for grazing.
- 13. OPERATOR'S REPRESENTATIVE:
 - A. Through A.P.D. Approval: B. Clifton R. May, Regulatory Agent Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

Through Drilling, Completions & Prod. Pinson McWhorter, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

R. May, Regulatory Agent

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Typical 3,000 psi choke manifold assembly with at least these minimun features





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NOV-19-2004 FRI 10:47 AM YATES PETROLEUM LAND

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

1301 W. Grand Avenue, Artesia, NM 88210

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

1000 Rio Brazos Road, Aztec, NM 87410

District II

District III

FAX NO. 5057484572

Form C-144 March 12, 2004

P. 02

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

State of New Mexico

Energy Minerals and Natural Resources

For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe office

Is pit or below-grade tank	de Tank Registration or Closure covered by a "general plan"? Yes XX No below-grade tank XX Closure of a pit or below-grad				
Operator: Yates Petroleum Corporation Teleph Address: 105 South 4 th Street, Artesia, NM 88210 30 - 025 - 3 Facility or well name: Cleary AKC Federal #3 API #: 30 - 025 - 3 County: Lea Latitude N32.3979 Longitude W103.7000 NAD: 1927					
Pit Type: Drilling Production Disposal Workover Emergency Lined Image: Synthetic Mathematical Synthetic Synthetic Mathematical Synthematical Synthetic Mathematical Synthematical Synthet	Below-grade tank Volume:bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes [] If not,				
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)			
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.) Yes (20 points) No (0 points)					
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)			
	Ranking Score (Total Points)	0 Points			
If this is a pit closure: (1) attach a diagram of the facility showing the pit's onsite in offsite if the offsite, name of facility date. date. (4) Groundwater encountered: No in Yes in If yes, show depth belo diagram of sample locations and excavations. I hereby certify that the information above is true and complete to the best of the been/will be constructed or closed according to NMOCD guidetines in, a Date: November 19, 2004 Printed Name/Title Clifton R. May/Regulatory Agent Signature	(3) Attach a general description of remodial actions ground surface ft. and attach sample my knowledge and belief. I further certify that the s	on taken including remediation start date and end results. (5) Attach soil sample results and a above-described pit or below-grade tank has			
Your certification and NMOCD approval of this application/closure does not	relieve the operator of liability should the contents of a	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.

Approval "Nov 2 2 2004 Date:

Printed Name/Title

ORIGINAL SIGNED BY PAUL F. KAUTZ PETROLEUM ENGINEER

Cleary AKC Federal #3 YATES PETROLEUM CORPORATION General Plan was approved 4/15/04

The reserve pit will be to the South. The Southwest corner of the pit will be approximately 60' South of the well bore. The pit will be a 150' X 150' and 6' deep with a capacity of 24,000 bbls.



Standard reserve pit. All Reserve pits are double Horse shoe size varies with depth of well NOV-19-04 FRI 10:56 AM FROM:

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PAGE