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Form 3160-3 (August 1999) UNITED STATE	S	10111213	1415167	OMB I Expires N	0 No. 1004-013 ovember 30,	
DEPARTMENT OF THE I	1	6 Alle	10	5. Lease Serial No.		2000
BUREAU OF LAND MANAG		OR RECT	10, 5	NM-36499		
APPLICATION FOR PERMIT TO D		REENTERATE		6. If Indian, Allotte	e or Tribe N	ame
1a. Type of Work: X DRJLL RE	ENTER			7. If Unit or CA A	286	me and No.
b. Type of Well: Oil Well Gas Other Well		Single 🔲 Zone	Multiple Zone	8. Lease Name and Well No. Senaca AYS Federal Com. #1		
2. Name of Operator	-			9. API Well No.		
Yates Petroleum Corporation 2575				20-012	5-2	1961
3A. Address 105 South Fourth Street	3b. Phone N	lo. (include area cod		10. Field and Pool,		Sond
Artesia, New Mexico 88210 4. Location of Well (Report location clearly and in accordance with an	v State reavire	(505) 748-147		11. Sec., T., R., M.,		Survey or Area
At surface 700' FSL at					3, T19S-I	
	ame (Init P			0, 1100 1	
14. Distance in miles and direction from nearest town or post office*	<u> </u>		· · · · · · · · · · · · · · · · · · ·	12. County or Paris	h 1	13. State
Approximately 14 miles southwest of Artesia, New	v Mexico.			Eddy Coun	itry	NM
15. Distance from proposed* location to nearest	16. No. of A	Acres in lease	17. Spacing Ur	nit dedicated to this we	ell	<u> </u>
property or lease line, ft. 700 (Also to nearest drig. unit line, if any)	10 5	80	00 DIN(/DIA	320 E/2	2	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft 1/2 mile	19. Propose	9300'	20. BLM/BIA	Bond No. on file 585997	7	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approx	imate date work will	start*	23. Estimated durat		
3472' GL		ASAP	3	5 days	·	
		achments				
The following, completed in accordance with the requirements of Onsho	re Oil and Gas	Order No. 1, shall b	e attached to this	form:		
 Well plat certified by a registered surveyor. A Drilling Plan. 		4. Bond to cove Item 20 abov	-	unless covered by an	existing bond	d on file (see
3. A Surface Use Plan (if the location is on National Forest System Land	ls, the	5. Operator cert				
SUPO shall be filed with the appropriate Forest Service Office.			e specific inform	ation and/or plans as r	nay be requir	red by the
25. Signature	Nar	me (Printed/Typed)			Date	
Title: Title:	Су	Cowan	<u> </u>		5	/1/01
Regulatory Agent				· · · · · · · · · · · · · · · · · · ·		
Approved by (Signature) /S/ LESLIE A. THEISS	 	ne (Printed/Typed)	<u>E A. THI</u>	EISS	Date AUG	1 0 2001
FIELD MANAGER	Offic	CARLSE		D OFFICE		
Application approval does not warrant or certify that the applicant holds	legal or equita					ant to conduct
operations thereon. Conditions of approval, if any, are attached.		AF	PROVAL	. FOR 1 Y	EAR	
Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, make it a	crime for any	person knowingly ar	nd willfully to ma	ke to any department (or agency of	the United
States any false, fictitious or fraudulent statements or representations as t	-					
*(Instructions on reverse)		<u> </u>	DOVAL PI	ID IEAT TA		

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

DISTRICT 1 1888 M. French Dr., Hobbs, MM 88840 DISTRICT II 811 South First, Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Ed., Astec, NM 87410 DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minarals and Natural Resources Department

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Revised March 17, 1990 Instruction on back Submit to Appropriate District Office State Lease - 4 Copies Foe Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API	AFI Number Pool Code			Pool Code							
						Wildcat Morrow					wc
Property	Code		·	SENA		erty Name Well Number 1					umber
OGRID N	0.				Operator	Operator Name Elevation					tion
025575	5			YATES PETROLEUM CORPORATION 3472							
		J			Surface I	Locati	n				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from th	he No	orth/South line	Fee	t from the	East/West line	County
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L	.	Bottom Hole Location If Different From Surface							1	┶╴╴╴╴╻╷╴╴╺┉┙	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from t	he No	orth/South lins	Fee	t from the	East/West line	County
Dedicated Acre	Joint o	r Infill Co	nsolidation (Code Ord	er No.						
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YATES PETROLEUM CORPORATION Senaca AYS Federal Com. #1 700' FSL and 700' FEL Section 3-T19S-R25E Eddy County, New Mexico

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

San Andres	750'
Glorieta	2090'
Tubb	3510'
Abo	4160'
Wolfcamp	5600'
Cisco	6630'
Strawn	8180'
Atoka	8600'
Morrow	8860'
Chester	9200'
TD	9300'

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

Water: 250'-350' Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 9 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:

Hole Size	Casing Size	Wt./Ft	<u>Grade</u>	Coupling	<u>Interval</u>	Length
14 3/4 "	9 5/8"	36#	J-55	ST&C	0-1100'	1100'
8 ³ ⁄4"	7"	26#	J-55	LT&C	0-800'	800'
8 ³ ⁄4"	7"	23#	J-55	LT&C	800'-5200'	4400'
8 ³ ⁄4"	7"	26#	J-55	LT&C	5200' -720 0'	2000'
8 ³ ⁄4"	7"	26#	N-80	LT&C	7200'-9300'	2100'

A. Casing Program: (All New)

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

Senaca AYS Federal Com. #1 Page 2

B. CEMENTING PROGRAM:

Surface casing: 650 sx Lite (YLD 2.0 WT 12.0). Tail in with 250 sx Class 'C' + 2% CaCl2 (YLD 1.32 WT 14.8)

Production Casing: 750 sx Lite (YLD 2.0 WT. 12.0). Tailed in with 400 sx Super 'C' (YLD 1.57 WT 13.4)

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	Туре	<u>Weight</u>	<u>Viscosity</u>	Fluid Loss
0-1100'	FW Gel/LCM	8.3-8.6	30	N/C
1100'-7400'	Cut Brine	9.0-9.2	29	N/C
7400'-8600'	Cut Brine/Starch	9.0-9.3	30-34	N/C
8600'-9300'	Salt Gel/Starch	9.3-9.8	34-40	<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 under intermediate casing. Logging: Schlumberger Platform Express Hals, possible FMI Rotary Cores. Coring: None DST's: As warranted.

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

Anticipated BHP:		
From: 0	TO: 1100'	Anticipated Max. BHP: 500 PSI
From: 1100'	TO: 9300'	Anticipated Max. BHP: 4600 PSI

No abnormal pressures or temperatures are anticipated.

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None Anticipated

8. ANTICIPATED STARTING DATE:

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

MULTI-POINT SURFACE USE AND OPERATIONS PLAN YATES PETROLEUM CORPORATION Senaca AYS Federal Com. #1 700' FSL and 700' FEL Section 3,-T19S-R25E Eddy 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 wellsite is located approximately 14 miles Southwest of Artesia, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go south of Artesia on Highway 285 to Kincaid Ranch Road (CR-38). Turn right on Kincaid Ranch Road and go approximately 2.7 miles follow the road to the south for approximately .7 of a mile to a cattleguard. From the cattleguard go south on county road for approximately 1 mile. Turn west and cross cattleguard and go approximately .3 of a mile and turn south on lease road and go approximately .4 of a mile. The new road will start here going east for approximately 300 feet to the southwest corner of the well location.

2. PLANNED ACCESS ROAD:

- A. The proposed new access road will be approximately 300 feet in length from point of origin to the southwest corner of the drilling pad. The road will lie in a west to east, direction. See attached map.
- 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 one side. No traffic turnouts will be built.
- 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:

- 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 no 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.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with a fresh 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:

Dirt contractor will locate nearest pit and obtain any permits and materials needed for construction.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits
- C. are dry. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. 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 land fill. 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, rig orientation and access road approach.
- B. The reserve pits will be plastic lined.
- C. A 400' x 400' 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 wellsite 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 non-productive, 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 filled level after they have evaporated and dried.

11. SURFACE OWNERSHIP: Federal Surface, Administered by Bureau of Land Management, Carlsbad, New Mexico.

Senaca AYS Federal Com. #1 Page 3

12. OTHER INFORMATION:

A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
 B. The primary surface use is for grazing.

13. OPERATOR'S REPRESENTATIVE:

A. Through A.P.D. Approval:

Cy Cowan, Regulatory Agent Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471 B. Through Drilling Operations, Completions and Production: 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.

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

