UNAVAMEA= 10021		Mrs . 177	SUBMIT IN	PLICAT	E* Form approved.	-26726	
(November 1983) (feamerly 9331C)	UN	ITED STATES DI	SUBMIT IN	side)	Budget Bureau	No toos ator	
DEPARTMENT OF THE INTERIOR RECEIVED					Expires August 31, 1985		
	BUREAU O	F LAND MANAGEME	ENT 00210		5. LEASE DESIGNATION		
APPLICAT	ION FOR PERMIT	TO DRILL DEFI	PEN OR PHUG	DACK	$\frac{\text{NM} - 76936}{000000000000000000000000000000000000$	E OR TRIPE NAME	
1a. TYPE OF WORK			<u>PEN, OR PLUG</u>	MAKN .	90	- OA TRIBE NAME	
b. TYPE OF WELL	DRILL 🖾	DEEPEN 🗌	CAPLUG BA			AME	
OIL WELL	GAS		SINGLE ARE MULT				
2. NAME OF OPERATO	WELL OTHER		ZONE		8. FARM OR LEASE NA		
Yates Pet	roleum Corporatio	n 🖌			9. WELL NO.	"AHW" Fed.	
3. ADDRESS OF OPERA					- 1		
105 South	Fourth Street, A	rtesia, New Mex	ico 88210	(F)	10. FIELD AND POOL, O	DR WILDCAT	
At surface	(Report location clearly an 'FSL and 660' FE	-	State requirements		N. Dagger Draw	Upper Penn	
At proposed prod.		L SE/SE	+ P		11. SEC., T., R., M., OR I AND SURVEY OR AR		
	same	· V	11. JUL 2	nian			
14. DISTANCE IN MII	ES AND DIRECTION FROM NEA	ABEST TOWN OR POST OFFIC	CE* JUL I		Sec. 33-T19 12. COUNTY OF PARISH		
28 miles	southwest of Arte:	sia, New Mexico		D.	Eddy	NM	
15. DISTANCE FROM P LOCATION TO NEA PROPERTY OR LEA	REST	16. N	O. OF ACRES IN LEASE	PFICE.	OF ACRES ASSIGNED		
(Also to nearest 18. DISTANCE FROM 1	drlg. unit line, if any)	660'		10 11	HIS WELL 160		
TO NEAREST WEL OR APPLIED FOR, ON	L, DRILLING, COMPLETED.	19. р	ROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS		
	whether DF, RT, GR, etc.)		8000'	R	otary		
374	-				22. APPROX. DATE WOI	RK WILL START*	
23.		PROPOSED CASING AN		ر			
SIZE OF HOLE	SIZE OF CASING		······································	M SOEV	cal Controlled	Water Basin	
	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH				
14-3/4"	9-5/8"	26# 77 55	10001		QUANTITY OF CEMEN		
<u>14-3/4"</u> 8-3/4"	<u> </u>	36# K-55 26# K-55	1200'		000 sx circula	ated	
		36# K-55 26# K-55 23# S-95	1200' TD		000 sx circula As Warranted	ated -SEE STIPS.	
		26#_к-55	· · · · · · · · · · · · · · · · · · ·		000 sx circula As Warranted	ated -see stips. Post ID-1	
8-3/4"	7"	26# K-55 23# S-95	TD		000 sx circula As Warranted	ated -SEE STIPS. Dont ID-1 7-27-90	
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*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

N MEXICO OIL CONSERVATION COMMIS: 4

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Form C-102 Supersedes C-128 Effective 1-1-65

3745. Use Canyon N. Dayer Draw Upper Penn 160 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as tenterest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners bee dated by communitization, unitization, force-pooling, etc? Image: The state of the owners and tract descriptions which have actually been consolidated. (Use rever this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, un forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the sion. CERTIFICATION I hereby certify that the information of the state o			All distances	must be from the	outer boundaries of the	Section.	
There Letter Section Township Township Page 24 East Eddy County, N.M. Actual Protope Location of Wells 660 test from the East East<	perator			Lease			Well No.
Township Township Township Page 24 East County Eddy County, N.M. Actual Frances Conting Location at Weil: 660 test from the South 19 South 24 East Eddy County, N.M. Actual Frances Conting Location at Weil: Frances Conting Location at Weil: Frances Conting Location at Weil: County Page East East Last	YATES PET	ROLEUM COP	RPORATION		SUNFLOWER A	HW FEDERAL	1
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I hereby certify that the infor tained herein is true and com best of my knowledge and bel ELZER DEN KEN BEARDEMP Prostrice LANOMAN Comp my Vates Pet. Curp. Date 6-29-90 N.R. RED Service UPA the	interest and ro 3. If more than or dated by comm X Yes If answer is " this form if neo No allowable w forced-pooling,	oyalty). ne lease of c nunitization, No If a no,' list the cessary.) vill be assign	different owners unitization, for nswer is "yes; owners and tra ed to the well	ship is dedicat ce-pooling.etc ' type of conse act description until all intere	ed to the well, hav ? olidation Comm s which have actua sts have been cons	e the interests Unifization Ily been consoli solidated (by co	of all owners been consoli- J dated. (Use reverse side of mmunitization, unitization,
hereby spratty when the						Toined I best of the Unme K Position Comp my	Zeendryll EN BEARDEMPHL LANNOMAN Hes Pet. Curp.
NM-39949 mote of actual surveys made mode my supervision, and the isome and correct to the knowledge and correct to the knowledge and correct to the correct to the cor				۸M	- 39949 	1 he Rob show of notes 3 June 1 1 1 1 1 1 1 1 1 1 1 1 1	N. R. R. E. D. Service what the cell location in the plan was platted from field factual surveys made by me or y supervision, and then the same and correct to the best of my defond beltiel. PROFESSION PROFESSION eyed 22, 1990 d Frotessional Engineer
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YATES PETROLEUM CORPORATION

Sunflower "AHW" Federal #1 660' FSL and 660' FEL Section 33, T19S-R24E Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information in accordance with USGS requirements.

- 1. The geological surface formation is Alluvium.
- 2. The estimated tops of geologic markers are as follows:

San Andres	352'
Glorieta	1738'
Abo	3933'
Wolfcamp Lime	5159'
Canyon Lime	7399 '
Canyon Dolomite	7535 '
TD	8000

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

Water: Approximately 250' to 375'

Oil or Gas: Abo, Canyon

- 4. Proposed Casing Program: See Form 3160-3.
- 5. Pressure Control Equipment: See Form 3160-3 and Exhibit B.
- 6. Mud Program: See Form 3160-3.
- 7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connection.

8. Testing, Logging and Coring Program:

Samples: 10' samples from 300' depth to TD.
DST's: As warranted
Coring: None
Logging: CNL-LDT from TD to casing with GR-CNL up to surface; DLL with ExO
TD to casing

9. No abnormal pressures or temperatures are anticipated.

10. Anticipated starting date: As soon as possible after approval.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN Yates Petroleum Corporation Sunflower "AHW" Federal #1 660' FSL and 660' FEL Section 33, T19S-R24E 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 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 BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 28 miles southwest of Artesia, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

- 1. Go south of Artesia on Highway 285 for approximately 15 miles to Rock Daisy Road.
- 2. Turn west and go approximately 12 miles and turn north after cattleguard on lease road.
- 3. Follow lease road for approximately $1\frac{1}{4}$ miles to pipeline crossing.
- 4. New access road will start here.

2. PLANNED ACCESS ROAD

- A. The proposed new access will be approximately 3500' in length from point of origin to the southeast edge of the drilling pad. The road will lie in a northwest to southeast 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. The new road will be bladed with drainage on one side. Many traffic turnouts will be needed.
- D. The route of the road is visible, being on the north side of the existing pipeline.
- 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.

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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:
 - A. Private pit located in Section 22, T20S-R24E.
- 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 are dry.
 - C. 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 suring 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. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
 - G. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.
- 8. ANCILLIARY FACILITIES:
 - A. None required.
- 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. A cross section of drill pad with approximate cuts, fills and pad orientation is shown on Exhibit E.
 - B. The reserve pits will be plastic lined.
 - C. A 400' X 400' area has been staked and flagged.
- 10. PLANS FOR RESTORATION OF THE SURFACE:
 - 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 levelled.

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- C. If the proposed well is non-productive, all rehabitation and/or vegetation requirements of the landowner agreements will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.
- 11. SURFACE OWNERSHIP: Carl Foster, Artesia, New Mexico 88210. Mr. Foster and Yates Petroleum Corporation have reached an agreement on surface damages.

12. OTHER INFORMATION:

- A. Topography: Refer to the 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:
- B. Through Drilling Operations, Completions and Production:

Ken Beardemphl, Landman
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505)-748-1471

Mike Slater, 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 drillsite 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.

Landman





THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- All preventers to be hydraulically operated with secondary manual contro 1. installed prior to drilling out from under casing.
- Choke outlet to be a minimum of 3" diameter. 2.
- 3. Kill line to be of all steel construction of 2" minimum diameter. All connections from operating manifolds to preventers to be all steel. 4
- hole or tube a minimum of one inch in diameter. The available closing pressure shall be at least 15% in excess of that 5.
- required with sufficient volume to operate the B.O.P.'s.
- 6. All connections to and from preventer to have a pressure rating equivale to that of the B.O.P.'s.

EXHIBIT

- 7. Inside blowout preventer to be available on rig floor. 8.
- Operating controls located a safe distance from the rig floor 9.
- Hole must be kept filled on trips below intermediate casing.

YATES PETROLEUM CORPORATION



EXHIBIT C

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