Form 3160-3 (November 1983) (formerly 9-331C)	DEPARTMEN		INTE			E. Form appfoled Budget Bureau Expires Augus	No. 1004-0136 t 31, 1985
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CONDITIONS OF APPROVA	L, IF ANY :	TIT	した。 <u>/##</u> 『	Energieren in Englicher Minister (* 1977) *		DATE	<u>e. </u>
APPROVAL SUBJECT	TO						

GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS

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*See Instructions On Reverse Side

Title AS MTS 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.

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

(State of New Mexico (Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Operator Lase WOJ.P. AJA PEDERAL S Unit Latter Socion Township Sage County S Actual Processon of Weil: 21 SOUTH 31 EAST NoTM EDDY COUNTY, J. H. M. 1980 Section of Weil: Ince and 330 feet 'rem the EAST Ince 3663 DELAGUARE Double well by colored pencil or hadren mits on the plat below. DelaGuad Average: 40 Ares 3 If more than one lase is dedicated to the well, outline each and ideatify the oversenity thereof (bod as to to working interest and royaby). 3. If more than one lase of different oversenity is dedicated to be well, that we the interest of all oversen is be of the two points of the oversenity is dedicated to the well, well have the interest of all oversen is the of the two points or consolidated Yes The two points or consolidated Yes 1 more than one lase of different oversenity is dedicated to the well, well be well, have the interest of all oversen is to of the owersenity is to oversenity is to consolidated. Yes The two points or oversenity the oversenity of the over secondicated on the owersenity the oversenity the oversenity of the oversenity of the oversenity the oversenity of the oversenity oversenity oversenithe oversenity of the oversenity of the oversenity o	DISTRICT III 1000 Rio Brazos Rd	., Aztec, NM 87410					DICATION PLA	AT.		
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OPERATOR CERTIFICATION I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief. Signaure Clifton R. May Printed Namp Clifton R. May Position Permit Agent Company Yates Petroleum Corporat Date 8-5-91 SURVEYOR CERTIFICATION I hereby certify that the well location show on this plat was plotted from field noise on supervison, and that the same is true and correct to the best of my knowledge and beref Date Surveyed JULY & R. M99 Signaufor CREATIFICATION I bar was plotted from field noise on supervison, and that the same is true and correct to the best of my knowledge and beref Date Surveyed JULY & R. M99 Signaufor CREATIFICATION I hereby certify that the well location show on this plat was plotted from field noise on supervison, and that the same is true and correct to the best of my knowledge and beref Date Surveyed JULY & R. M99 Signaufor CREATIFICATION I hereby certify that the well box or more correct to the best of my knowledge and beref Signaufor CREATIFICATION I hereby certify that the well box Signaufor CREATIFICATION I hereby certify that the same is true and correct to the best of my knowledge and beref Signaufor CREATIFICATION I hereby certify that the same is true and correct to the best of my knowledge and beref Signaufor CREATIFICATION I hereby certify that the same is true and correct to the best of my knowledge and beref Signaufor CREATIFICATION I hereby certify that the same is true and correct to the best of my knowledge and beref Signaufor CREATIFICATION I hereby certify that the same is true and correct to the best of my knowledge and beref Signaufor CREATIFICATION I hereby certify that the same is true and correct to the best of my knowledge and beref Signaufor CREATIFICATION I hereby certify that the same is true and correct to the best of my knowledge and beref Signaufor CREATIFICATION I hereby certify that the same is true and correct to the best of my knowledge	or until a	non-standard unit, eli	minating such inter	rest, has been app	proved by the	Division.	numuzauon, uniu/20	on, lorced	-pooling, or otherwise)	
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MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



July 24, 1991

Mr. Bob Lane New Mexico Potash P.O. Box 610 Hobbs, NM 88241

Dear Mr. Lane:

Yates Petroleum Corporation is the operator of the Oil & Gas Lease NM-61358. We have staked the following location:

Wolf AJA Federal #5 1980' FNL and 330' FEL' Sec. 25-T21S-R31E Eddy County, NM

A Notice of Staking has been filed with Bureau of Land Management.

Would you please look this location over and let me know what you think. We respectfully request that you waive any objection you may have to this proposed well location and so indicate by signing and returning one copy of this letter in the enclosed envelope.

Your favorable consideration of this request will be greatly appreciated. Should you have any questions, please call me at 748-1471.

Sincerely,

YATES PETROLEUM CORPORATION

ft R. May

Clifton R. May Permit Agent

CRM/tg

Date

NO OBJECTIONS OFFERED

NEW MEXICO POTASH By: The American Structure **OBJECTION OFFERED**

NEW MEXICO POTASH

By: Title:	
Date:	

YATES PETROLEUM CORPORATION

Wolf "AJA" Federal #5 1980' FNL and 330' FEL Section 25-T21S-R31E 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 BLM requirements.

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

Rustler	838'
Top of Salt	1,128'
Base of Salt	3,965'
Bell Canyon	4,400'
Cherry Canyon	5,528'
Brushy Canyon	7,260'
Bone Springs	8,459'
TD	8,600'

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

Water: 150' Oil or Gas: 7260' and 8459'

4: Proposed Casing Program:

Hole Size	<u>O.D.</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Түре</u>	Setting Depth
17 1/2"	,	54.5#	J-55	ST&C	850'
11"	8 5/8'	32.0#	J-55	LT&C	4500'
7 7/8"	5 1/2'	15.5# & 17#	J-55	LT&C	TD

Surface pipe (0' - 850') will be cemented with 600 sacks C-Lite + 2% CaCl + 1/4 lb/sk Celloseal. Yeild 1.76 cu.ft./sk. Weight will be 12.9 lb/gal. Tailed in with 200 sacks C with 2% CaCl + 1/4 lb/sk Celloseal. Yield 1.33 cu.ft./sk. Weight will be 14.8 lb/gal. Quantity sufficient ot circulate to surface.

Intermediate pipe (0' - 4500') will be cemented with 1200 sacks C-Lite + 10 lbs/sk salt + 1/4 lb/sk Celloseal. Yield 1.94 cu.ft./sk. Weight will be 12.9 lb/gal. Tailed in with 200 sacks C + 1% CaCl. Yield 1.32 cu.ft./sk. Weight will be 13.8 lb/gal. Quantity will be sufficient to circulate to surface.

Production pipe (0' - 8600') will be cemented with 200 sacks (or sufficient to cover zones of interest) Class H + 5 lb. CSE + .7% CF-14 + 10 lb/sk Gilsonite. yield 1.45 cu.ft./sk. Weight will be 14.4 lb/gal.

- 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 connections.

Wolf "AJA" Federal #5 Page 2

8. Testing, Logging and Coring Program:

Samples: Out from under surface casing to TD.

DST's: As warranted.

Coring: None anticipated.

Logging: Dual Induction Laterolog, Gamma Ray/Litho Density, Gamma Ray/Compensated Neutron with Caliper Log.

- 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 Wolf "AJA" Federal #5 1980' FNL and 330' FEL Section 25-T21S-R31E 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 BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 38 miles northeast of Loving, New Mexico, and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go southeast out of Carlsbad, New Mexico on Highway 285 to 31. Go east on 31 to 128 (Jal Hwy). Go approximately 16 miles to Red Road (County Road 802). Turn north and go approximately 9 miles on the pavement. Will be a Lea County 29 sign. Stay on pavement and continue for approximately 4.5 miles. Turn left to Wolf Federal #4 well pad. New access will start here and go North to the SE corner of pad.

2. PLANNED ACCESS ROAD

- A. The proposed new access will be approximately 1400' in length from the point of origin to the southeast edge of the drilling pad. The new road will lie in a Northerly 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 both sides. No traffic turnout will be built.
- D. The route of the road is visible.

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.
- C. A flowline will be nedded from this well to the #4 well. It will follow the west side of the road.
- 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.

Wolf "AJA" Federal #5 Page 2

6. SOURCE OF CONSTRUCTION MATERIALS:

The pit located in the E/2SW/4 of Section 12-T22S-R31E on BLM lands unless dirt contractor finds a closer source.

- 7. METHODS OF HANDLING WASTE DISPOSAL:
 - A. Drill cuttings will be disposed of in the reserve pits.
 - B. Drilling fluids will be allows 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 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. 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. ANCILLARY 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 a 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
 - 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.
 - C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM 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: Federal Surface administered by BLM (Carlsbad, NM)
- 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.

Wolf "AJA" Federal #5 Page 3

13. OPERATOR'S REPRESENTATIVE

A. Through A.P.D. Approval:

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

> 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.

8-5-91

Date

ifter R. May

Clifton R. May Permit Agent





YATES PETROLEUM CORPORATION



Scale: linch = 50 feet

EXHIBIT C

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