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ADDRESS OF OPERATOR	oleum Corporatio		1411 5 7	10.4	9. WELL NO.	
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OR APPLIED FOR, ON TI	HIS LEASE, FT.		8000'	Rc	otary	
3431' GR	hether DF, RT, GR, etc.)				22. APPROX. DATE WO	RE WILL START*
UK				·	ASAP	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	AND CEMENTING PROGRA	M		
17 1/2"	13 3/8"	54.5#	Approx. 300'	250 \$	Gacks - circula	
12 1/4"	8 5/8"	24#	Approx. 1450'		acks - circula	
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APPROVED BY 18/ Saundra L. Porents	Area Manager	JAN 18 1991
CONDITIONS OF APPROVAL, IF ANY :		

*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.



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

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

State of New Mexico Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III 1000 Rio Brezos Rd., Astes, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

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YATES PETROLEUM CORPORATION

Arroyo Largo "AIR" Fed. Com. #1 660' FSL & 1980' FEL Section 10-T14S-R27E Chaves 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 quaternary alluvium:
- 2. The estimated tops of geologic markers are as follows:

San Andres	1,304'
Glorieta	2,670'
Abo	4,844'
Wolfcamp Lime	5,812'
Cisco Lime	6,635'
Lower Canyon	7,065'
Strawn	7,102'
Atoka	7,448'
Morrow Clastics	7,595'
Chester Lime	7,683'
Morrow Clastics	7,595'

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

Water:	Approximately 250'		
Oil or Gas:	7315', 7750'		

- 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 connections.
- 8. Testing, Logging and Coring Program:

Samples: 10' samples from under surface casing to TD.

DST's: As warranted by drilling breaks and shows.

Coring: None.

Logging: CNL-LDT from TD to casing, with GR-CNL up to surface; DLL with RxO from 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 Arroyo Largo "AIR" Fed. Com. #1 660' FSL & 1980' FEL Section 10-T14S-R27E 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.

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 8 miles east of Hagerman, New Mexico, and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

- 1. Go to Hagerman and turn east on Highway 31. Go for approximately 7.7 miles.
- 2. Turn left (northeast) for approximately .6 of a mile.
- 3. Turn north for approximately .7 of a mile to the Long Arroyo WH Fed. #1 well.
- 4. The new access will start here and go west to the southeast corner of pad.

2. PLANNED ACCESS ROAD

- 1. The proposed new access road will be approximately 2500' in length from point of origin to the southeast edge of the drilling pad. The road will lie in a westerly direction.
- 2. The new road will be 12 feet in width (driving surface).
- 3. The new road will be crowned and pitched with drainage on both sides. One turnout will be built.
- 4. 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.
- 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.

Arroyo Largo "AIR" Fed. Com. #1 Page 2



6. SOURCE OF CONSTRUCTION MATERIALS:

- From a pit located on federal land in the NENE of Section 19-T14S-R27E. The pit has been arch Α. cleared and a copy sent to the BLM.
- 7. METHODS OF HANDLING WASTE DISPOSAL:
 - Α. Drill cuttings will be disposed of in the reserve pits.
 - Drilling fluids will be allows to evaporate in the reserve pits until the pits are dry. Β.
 - Water produced during operations will be collected in tanks until hauled to an approved disposal C. system, or separate disposal application will be submitted.
 - Oil produced during operations will be stored in tanks until sold. D.
 - Current laws and regulations pertaining to the disposal of human waste will be complied with. E.
 - Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a F. minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
 - All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling G. and/or completion operations.
- ANCILLARY FACILITIES: 8.
 - Α. None required.
- WELLSITE LAYOUT: 9.
 - Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of Α. 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.
 - Β. The reserve pits will be plastic lined.
 - C. A 400' x 400' area has been staked and flagged.

10. PLANS FOR RESTORATION

- After finishing drilling and/or completion operations, all equipment and other material not needed for Α. 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.
- Β. Unguarded pits, if any, containing fluids will be fenced until they have dried and been levelled.
- If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the C. Landowner will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.

SURFACE OWNERSHIP: 11.

- Surface at the wellsite is owned by Mr. C. O. Holloway, P. O. Box 1571, Roswell, New Mexico 88201. Α.
- B. Surface ownership of new access road is owned by same.
- An Operator-Landowner Agreement has been reached between Yates Petroleum Corporation and Mr. C. Holloway.
- D. Surface ownership of access road, as shown on Exhibit A and A1 is as follows:

Section A-B	Paved State Highway 31 from Hagerman, New Mexico, 7.7 miles.
Section B-C	Oilfield road, 1.3 miles. State, BLM, State and Private

- Oilfield road, 1.3 miles, State, BLM, State and Private. Section C-1
 - New access road, 2500', private.

Arroyo Largo "AIR" Fed. 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, historial and cultural sites.
- B. The primary surface use is for grazing.

13. OPERATOR'S REPRESENTATIVE

A. Through A.P.D. Approval:

В.

Through Drilling Operations, Completions and Production:

Clifton R. May, Permit Agent 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.

12-12-90

Date

Clifton R. May

Permit Agent









THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- All preventers to be hydraulically operated with secondary manual control 1. installed prior to drilling out from under casing.
- Choke outlet to be a minimum of Z" diameter. 2.
- 3. Kill line to be of all steel construction of 2" minimum diameter. 4. All connections from operating manifolds to preventers to be all steel.
- hole or tube a minimum of one inch in diameter. 5.
- The available closing pressure shall be at least 15% in excess of that 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. 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.

10. D. P. float must be installed and used below zone of first gas intrusion

EXHIBIT C

YATES PETROLEUM CORPORATION



Scale: linch = 50 feet

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