

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

30-005-61510

C/SF  
 APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
 OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
 Yates Petroleum Corporation

3. ADDRESS OF OPERATOR  
 207 S. 4th, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface  
 990' ENL and 660' FEL

At proposed prod. zone  
 same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 16 miles ENE of Roswell, New Mexico

15. DISTANCE FROM PROPOSED\*  
 LOCATION TO NEAREST  
 PROPERTY OR LEASE LINE, FT.  
 (Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
 TO THIS WELL  
 160

18. DISTANCE FROM PROPOSED LOCATION\*  
 TO NEAREST WELL, DRILLING, COMPLETED,  
 OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
 4350'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATION (Show whether DE, RT, GR, etc.)  
 3594.3'

22. APPROX. DATE WORK WILL START\*  
 ASAP

RECEIVED  
 MAR 31 1982  
 O. C. D.  
 ARTESIA OFFICE

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 15294

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Bosque Grande "SQ" Federa

9. WELL NO.  
 1 Com.

10. FIELD AND POOL, OR WILDCAT  
 Undes. Pecos Slope Abo

11. SEC., T., R., M., OR BLK.  
 AND SURVEY OR AREA  
 Sec. 8-T7S-R26E

12. COUNTY OR PARISH  
 Chaves

13. STATE  
 NM

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	10 3/4"	40.5# J-55	900'	600 sx circulated
7 7/8"	4 1/2"	9.5#	TD	350 sx.

We propose to drill and test the Abo and intermediate formations. Approximately 900' of surface casing will be set and cement circulated to shut off gravel and caving. If needed (lost circulation) 8 5/8" intermediate casing will be run to 1500' and cemented with enough cement to tie back into the surface casing. If commercial, production casing will be run and cemented with adequate cover, perforate, and stimulate as needed for production.

MUD PROGRAM: FW gel and LCM to 900', Brine to 3200', Brine and KCL water to TD.

BOP PROGRAM: BOP's will be installed at the offset and tested daily.

GAS NOT DEDICATED.

EX-105  
 MAR 13 1982

ON GAS  
 GEOLOGICAL SURVEY  
 NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED Ken Beardsley TITLE Regulatory Coordinator DATE 3/17/82

(This space for Federal or State office use)

PERMIT NO. **APPROVED**

(Orig. Sgd.) **ROGER A. CHAPMAN**

APPROVAL DATE

APPROVED BY **MAR 26 1982**

CONDITIONS OF APPROVAL

FOR **JAMES A. GILHAM**

DISTRICT SUPERVISOR

APPROVAL SUBJECT TO  
 GENERAL REQUIREMENTS AND  
 SPECIAL STIPULATIONS  
 ATTACHED

DATE

Posted ID-1  
 AFE + MZ Book  
 4-2-82

NEW MEXICO OIL CONSERVATION COM ON  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section.

Operator YATES PETROLEUM CORPORATION		Lease Bosque Grande "SQ" Com.		Well No. 1
Tract Letter A	Section 8	Township 7 South	Range 26 East	County Chaves
Actual Footage Location of Well: 990' feet from the North line and 660' feet from the East line				
Ground Level Elev. 3594.3'	Producing Formation Abo	Pool Undes. Pecos Slope Abo	Dedicated Acreage: 160 Acres	

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 to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Ken Beardemphl*

Name  
Ken Beardemphl  
Position  
Regulatory Coordinator  
Company  
Yates Petroleum Corporation

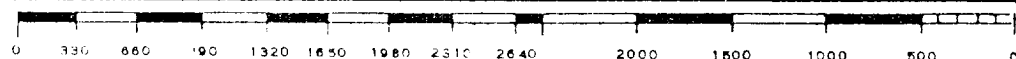
Date  
3/16/82

I hereby certify that the well location shown on this plat was plotted from field notes actually made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
March 15, 1982

Registered Professional Engineer and/or Land Surveyor

*Florschütz*  
Certificate No.



YATES PETROLEUM CORPORATION  
Rosque Grande "SQ" Federal #1  
Section 8-T7S-R26E  
990' ENL and 660' FEL  
Chaves County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information in accordance with USGS requirements.

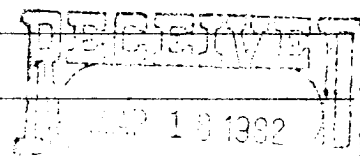
1. The geologic surface formation is sandy alluvium.
2. The estimated tops of geologic markers are as follows:

San Andres	400'
Glorieta	1530'
Fullerton	2970'
Abo	3740'
TD	4350'

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

Water: approximately 260-330'

Oil or Gas: Abo 4385'



4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C and Exhibit B.
6. Mud Program: See Form 9-331C.
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: surface casing to TD  
DST's: as warranted  
Coring: none anticipated  
Logging: CNL-FDC TD to casing with GR-CNL on to surface and DLL From TD to casing with RxO.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval.

Los Petroleum Corporation  
Losque Grande "SQ" Federal #1  
Section 17-T7S-R26E  
990' ENL and 600' FEL  
(Developmental Well)

This plan is submitted with Form 9-331C, 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 a county map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 15 miles east of Roswell, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

1. Proceed east of Roswell on Highway 70 for approximately 15 miles to the old Acme rock school house.
2. Turn north and go approximately 12 miles, turn west for approximately 1 mile.

2. PLANNED ACCESS ROAD.

- A. The proposed new access will be approximately .8 of a mile in length from point of origin to the southeast edge of the drilling pad. The road will lie in a southerly direction.
- B. The new road will be 12 feet in width (driving surface).
- C. The new road will be bladed with drainage on one side. No turnouts will be built.
- D. The route of the road is visible.

3. LOCATION OF EXISTING WELL.

- A. There is/~~isn't~~ drilling activity within a one-mile radius of the wellsite.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES.

- A. There ~~are~~/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.

- A. There is no existing pit of construction material so none will be used.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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 during operation 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 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, etc.
- B. The location surface is flat\_\_\_\_\_.
- C. The reserve pits will be plastic lined.
- D. 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 leveled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM and NMS will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.

11. OTHER INFORMATION.

- A. Topography: The land surface in the vicinity of the wellsite is flat. The immediate area of the wellsite is discussed above in paragraph 9B.
- B. Flora and Fauna: The vegetation cover on wellsite consists of mesquite and miscellaneous desert growth. No wildlife was observed, but the wildlife in the area probably includes those typical of semi-arid desert land. The area is used for cattle grazing.
- C. Waterways: The Pecos River is approximately one mile west.
- D. ~~There are~~/are no inhabited dwellings in the vicinity of the proposed wellsite.
- E. Surface Ownership: The wellsite is on private surface and federal minerals.  
The surface belongs to Charles G. Wagner, P. O. Box 1123, Roswell, New Mexico.
- F. There is no evidence of archaeological, historical or cultural sites in the area.

12. OPERATOR'S REPRESENTATIVE.

- A. The field representatives responsible for assuring compliance with the approved surface use plan are:

Gliserio "Rod" Rodriguez, Cy Cowan or Ken Beardemphl  
Yates Petroleum Corporation  
207 S. 4th Street  
Artesia, New Mexico 88210  
(505) 746-3558

13. 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.

3/17/82  
Date

Ken Beardemphl  
Ken Beardemphl, Regulatory Coordinator

PECOS

RIVER

30596  
GRAND SQ #1

Cottonwood

Draw

YATES PETROLEUM CORP.  
BOQUE GRANDE SQ. CO. #1  
990' FNL 1660' FEL  
SEC. 8, T7S, R26E  
CHAVEZ COUNTY, NM.

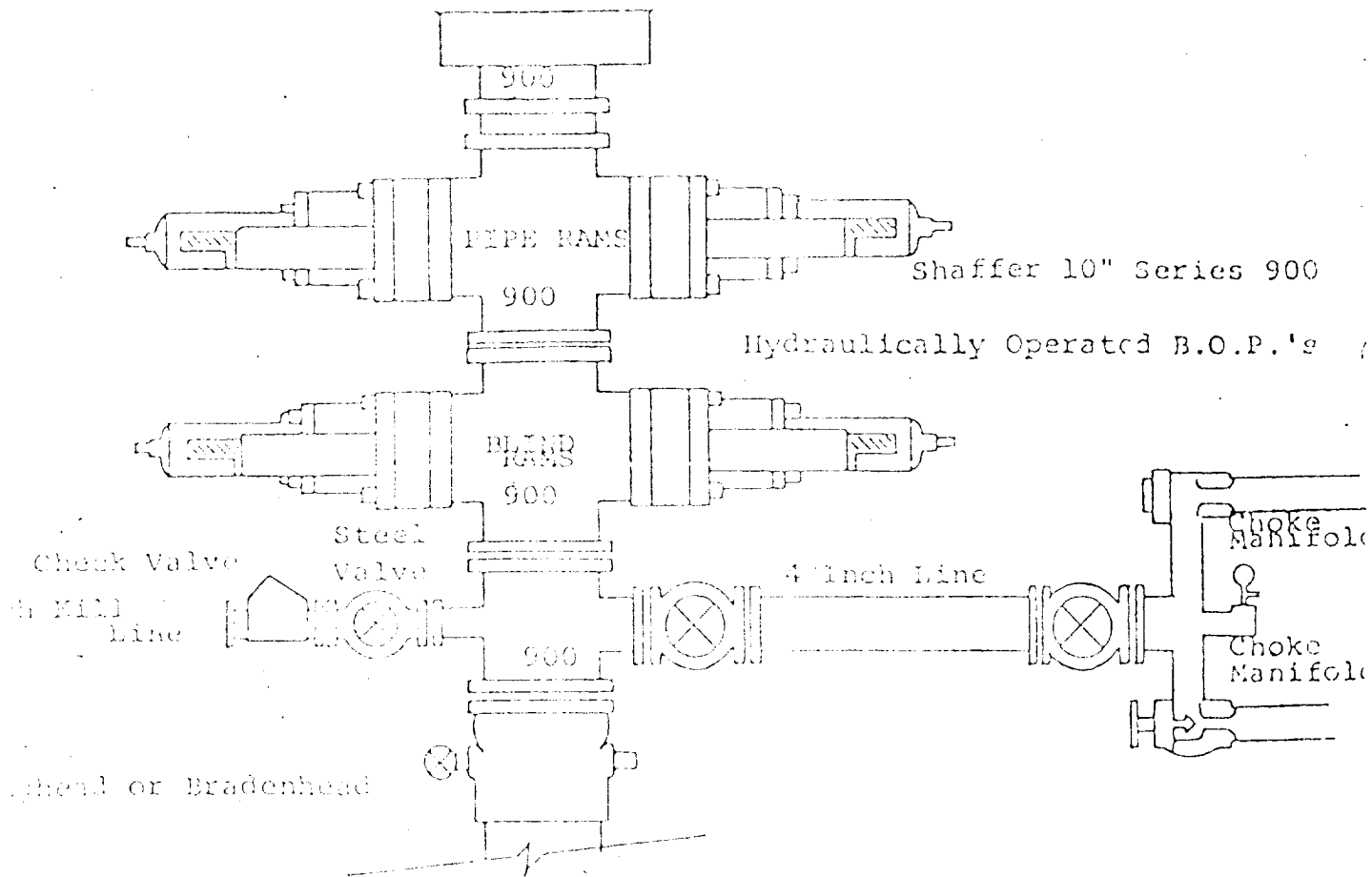
EXHIBIT A'

CH

Water Meter House

CH

# EXHIBIT B



## FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

1. All preventers to be hydraulically operated with secondary manual control installed prior to drilling out from under casing.
2. Choke outlet to be a minimum of 4" diameter.
3. All line to be of all steel construction of 2" minimum diameter.
4. All connections from operating manifolds to preventers to be all steel.
5. Hole or tube a minimum of one inch in diameter.
6. The available closing pressure shall be at least 112% in excess of that required with sufficient volume to operate the B.O.P.'s.
7. All connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.
8. Inside blowout preventer to be available on rig floor.
9. Operating controls located a safe distance from the rig floor.
10. Hole must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full.
11. B. P. float must be installed and used below zone of first gas intrusion.