

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-005-60649

RECEIVED

NM 11592

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

FEB 11 1980

7. UNIT AGREEMENT NAME

O. C. D.

8. FARM OR RANCH NAME

GYP "MO" Federal Com.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 35-T5S-R24E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

## 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 Street, Artesia, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1980' FNL and 660' FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST

31 miles north and 13 miles east of Roswell, NM

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

320

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5200'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, e.c.)

3908'

22. APPROX. DATE WORK WILL START\*

ASAP

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10 3/4"	48# J-55	approx. 400	375 sx circulated
9 1/2"	7"	24# J-55	approx. 1550	800 sx circulated
6 1/4"	4 1/2"	9.5 or 10.5#	TD	250 sx

We propose to drill and test the Penn and intermediate formations. Approximately 400' of surface casing will be set and cement circulated to shut off gravel, and caving. Casing will be set and cement circulated to shut off gravel and caving. Casing will be set 100' below the water zone. If commercial will run production casing and cement with adequate cover, perforate, and stimulate as needed for production.

MUD PROGRAM: FW gel and LCM to 1500' - Brine KCL to 3200' - KCL drispak & starch to 4350' flosal drispak KCL to TD. MW 10-10.2, Vis 3/4-39, WL 14-7

BOP PROGRAM: BOP's will be installed in 8 5/8" casing and tested daily.

GAS NOT DEDICATED.

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 preventer program, if any.

24.

SIGNED

TITLE

Geographer

DATE

1/23/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

2-11-80

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION

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

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

Operator <b>Yates Petroleum Corporation</b>			Lease <b>Gyp MO Federal Com</b>		Well No. <b>1</b>
Unit Letter <b>H</b>	Section <b>35</b>	Township <b>5 South</b>	Range <b>24 East</b>	County <b>Chaves</b>	
Actual Postage Location of Well: <b>1980</b> feet from the <b>North</b> line and <b>660</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3908</b>	Producing Formation <b>PENN</b>	Post Office <b>HUDES</b>		Dedicated Acreage <b>320</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the interest 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 COMMUNITIZATION

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.

**RECEIVED**

**JAN 23 1980**

**U.S. GEOLOGICAL SURVEY**

**ARTESIA, NEW MEXICO**

**J. L. GRYNBERG**

**NM 11592**

**1980**

**660'**

**YATES PET.**

**NM 30391**

CERTIFICATION

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

*Gliserio Rodriguez*  
Name  
**GLISERIO RODRIGUEZ**  
Position  
**GEOGRAPHER**  
Company  
**YATES PETROLEUM CORP**  
Date  
**1-2-80**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys 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  
**12/27/79**  
Registered Professional Engineer on/for Land Surveyor

*Dan R. Reddy*  
Certificate No.

**NMPE&LS #5412**

0 500 660 80 1320 1660 1980 2320 2660 3000 3300 3600 3900 4200



# United States Department of the Interior

RECEIVED

## GEOLOGICAL SURVEY

P. O. Drawer U  
Artesia, New Mexico 88210

FEB 11 1980

O. C. D.

February 11, 1980, ARTESIA, OFFICE

Yates Petroleum Corporation  
207 South Fourth Street  
Artesia, New Mexico 88210

Gentlemen:

YATES PETROLEUM CORPORATION GYP "MO" Fed No. 1 1980 FNL 660 FEL Sec. 35 T.5S R.24E Chaves County Lease No. NM 11592 Above Data Required on Well Sign
--


Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 5,200 feet to test the Penn is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the attached General Requirements for Oil and Gas Operations on Federal Leases, dated July 1, 1978.
2. Note: CAUTION. A buried liquid petroleum gas pipeline is located approximately fifty (50) feet south of the wellsite stake.
3. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the Surface Use Plan and these Conditions of Approval including the attached General Requirements.
4. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should not be less than 8" x 5" in size and each page should identify the well.
5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
6. Before drilling below the 7" casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.
7. A kelly cock will be installed and maintained in operable condition.



8. After setting the 7" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.
9. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
  - (1) A recording pit level indicator to determine pit volume gains and losses.
  - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
  - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
9. Cement behind the 10-3/4" casing must be circulated.
11. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

  
George H. Stewart  
Acting District Engineer

Yates Petroleum Corporation  
Gyp "MO" Federal #1  
1980' FNL and 660' FEL  
Section 35-T58-R24E  
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 estimate tops of geologic markers are as follows:

Glorieta	1538'
Abo	3578'
Wolfcamp	4330'
Penn	4940'
T.D.	5200'

**RECEIVED**

**JAN 23 1980**

**U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO**

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

Water: Approximately 250' - 350'

Oil or Gas: Wolfcamp - 4350'  
Penn - 5000'

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 T.D.  
DST's: As Warranted  
Logging: Surface casing to T.D.  
Coring: CNL-FDC T.D. to casing with GR-CNL on to surface and DLL from T.D. to casing.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval.

Yates Petroleum Corporation  
Gyp "MO" Federal #1  
Section 35 - T5S - R24E  
1980' FNL and 660' FEL  
(Exploratory 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, the construction activities and operations plan, 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 drilling of this well.

1. EXISTING ROADS.

Exhibit A is a portion of a county map showing the roads in the vicinity of the proposed location. The proposed wellsite is located approximately 32 miles NNE of Roswell, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

1. Proceed north from Roswell on Highway 285 for a distance of approximately 31 miles.
2. Turn east for approximately 8 miles and continue NE for 2 miles.
3. Then turn SE on the Mapco Pipeline right-of-way, go for 1 1/2 miles. The road will be the south edge of the pad.

2. PLANNED ACCESS ROAD.

- A. There will be no new road.

3. LOCATION OF EXISTING WELL.

- A. There are no existing wells within a mile of wellsite. The Grynberg "LZ" State well is 1.2 miles SE.

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 the ranches and trucked to the location.

6. SOURCE OF CONSTRUCTION MATERIALS.

- A. Any material required for construction of the drilling pad and the new access road will be obtained from the pit on private surface on Section 8-T6S-R26E.

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 to the USGS for appropriate approval.
- 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 of 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. The pits will be to the northeast.
- B. The location surface is on a minor slope so cut and fill will be needed.
- C. The reserve pits will be plastic lined.
- D. A 400' X 400' area and road 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 is as 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 requirements of the BLM and the USGS will be complied with and will be as expeditiously as possible. All pits will be filled leveled within 90 days after abandonment.

11. OTHER INFORMATION.

- A. Topography: The land surface in the vicinity of the wellsite is sloping. The immediate area of the wellsite is discussed above in paragraph 9B.
- B. Flora and Fauna: The vegetation cover consists of tobosa, terpetine, pepper weed, and some mesquite. 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. The Pecos River is approximately four and a half miles east.
- D. There are no inhabited dwellings but there are windmills within a mile of the vicinity of the proposed well.
- E. Surface Ownership: The wellsite is on federal surface.
- F. There is no evidence of any archeological, historical or cultural sites in the area.

12. OPERATOR'S REPRESENTATIVE.

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

Gliserio "Rod" Rodriguez  
Yates Petroleum Corporation  
207 South 4th Street  
Artesia, New Mexico 88210  
(505) 746-3558

13. CERTIFICATION.

I hereby certify that I, or person 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 Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

1-23-80

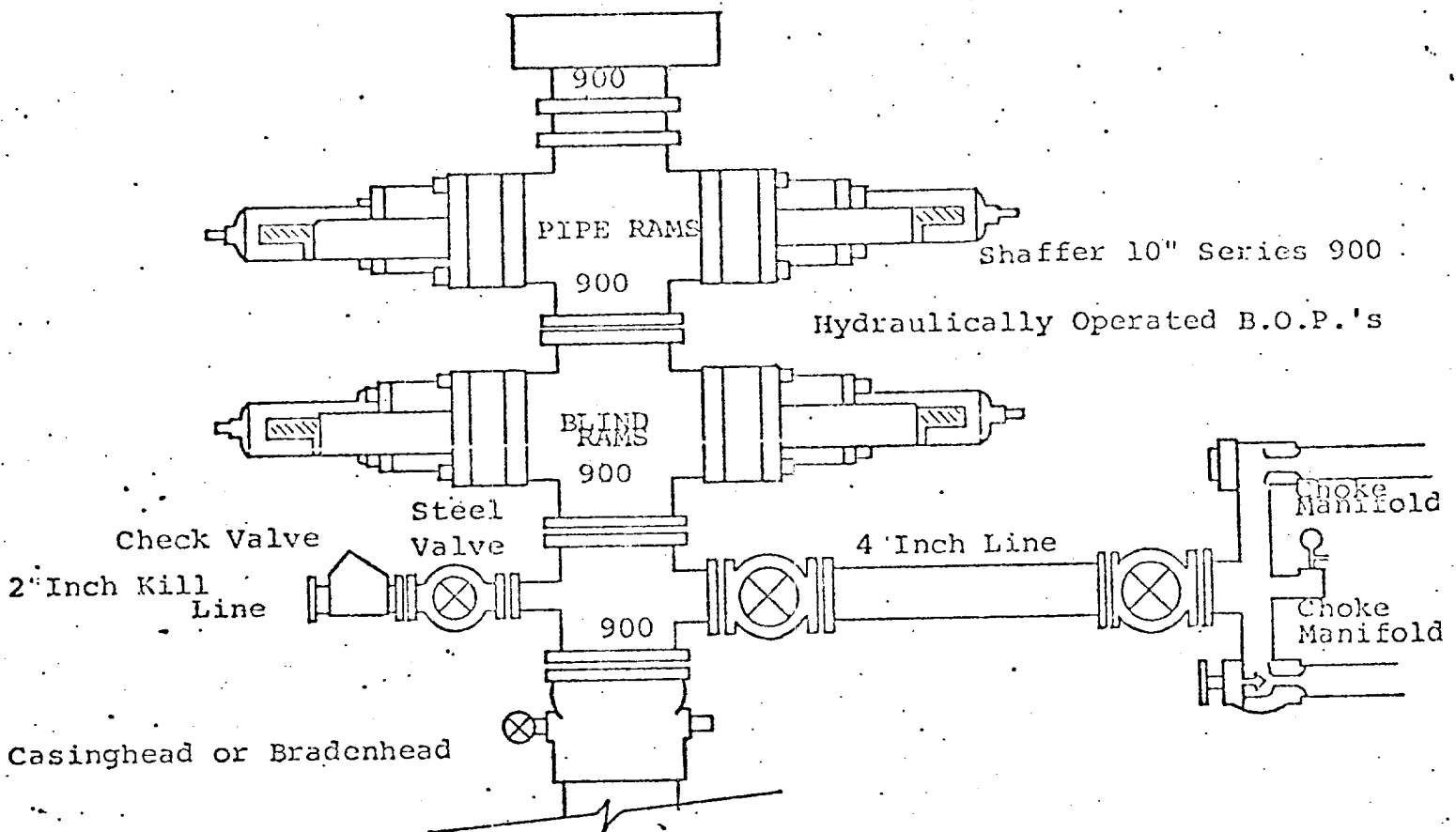
Date

Gliserio Rodriguez

Gliserio Rodriguez, Geographer



# EXHIBIT B



## THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

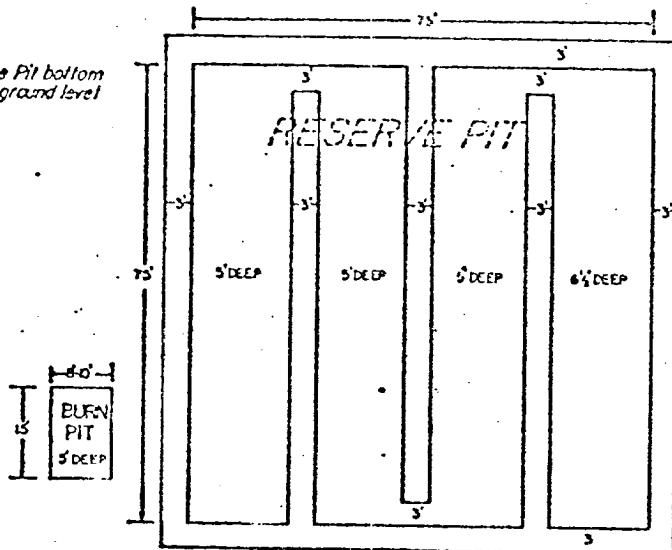
1. All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.
2. Choke outlet to be a minimum of 4" diameter.
3. Kill line to be of all steel construction of 2" minimum diameter.
4. All connections from operating manifolds to preventers 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 equivalent 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. Operator not responsible for blowouts resulting from not keeping hole full.
10. D. P. float must be installed and used below zone of first gas intrusion.

# EXHIBIT C

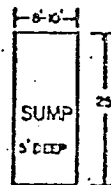
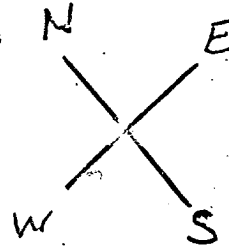
## YATES PETROLEUM CORP

0-6000 FT.

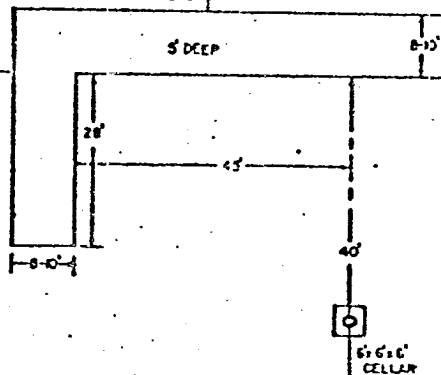
Reserve Pit bottom  
to be at ground level  
to -1ft.



NOTE:  
Inside walls must be as  
high and wide as outer  
walls of pit.



### PAD LAYOUT



← ROAD →

NO SCALE