

NM OIL CONVS. COMMISSION  
Drilling  
**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

SUBMIT IN PLICATE\*  
(Other instructions on reverse side)

30-015-00087  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

**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

Re-Entry

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South Fourth Street, Artesia, New Mexico

RECEIVED

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

At surface

1980' FNL & 660' FWL

At proposed prod. zone

Same

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

Approximately 27 miles southwest of Artesia, New Mexico

O. C. D.

ARTESIA, OFFICE

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

SWD

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

19. PROPOSED DEPTH

4664'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3755 D.F.

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
7 7/8	8 5/8 in place	24# J-55	840'	circulated to surface
	5 1/2	15.5# K-55	TD	cement back to surface

Yates Petroleum Corporation proposes to re-enter and convert the well to a disposal well. This well was originally drilled by Standard Oil Company of Texas in 1956 and plugged October 2, 1956. Yates will drill out cement plugs and clean out hole to original TD of 4550'. Yates will then deepen the hole to a proposed depth of 4664' and run 5 1/2" casing to TD and circulate to surface. Perforate an interval from 4200' to 4664' and acidize with 10,000 gallons of 15% HCL acid. Set packer at 4150' and inject produced water into the perforation. A C-108 has been filed with the State.

MUD PROGRAM: Cut brine to TD.

BOP PROGRAM: Will be installed at the offset and tested daily as to operational

Post ID-1  
9-22-89  
Re-entry

Former:  
Standard Oil Co. of Tx.  
OTD - 4550  
P4A - 10-2-56

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

Ken Beardemph

TITLE Landman

DATE 8/17/89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

# OIL CONSERVATION DIVISION

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

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

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

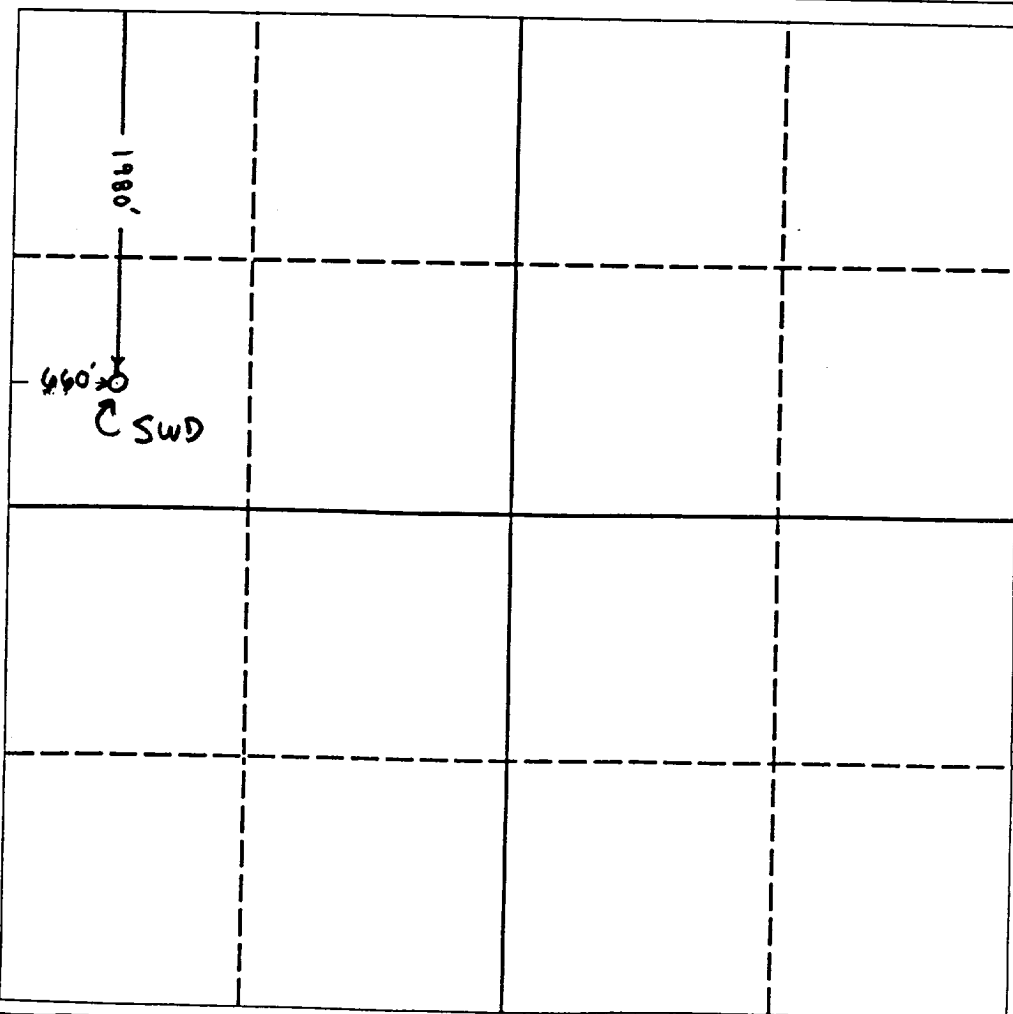
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>YATES PETROLEUM CORPORATION</b>			Lease <b>Donahue Fed.</b>		Well No. <b>1</b>
Unit Letter <b>E</b>	Section <b>10</b>	Township <b>20 S</b>	Range <b>24 E</b>	County <b>EDDY</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>North</b> line and <b>660'</b> feet from the <b>West</b> line					
Ground level Elev. <b>3755 D.F.</b>		Producing Formation <b>Abo</b>		Pool <b>Wildcat Abo</b>	Dedicated Acreage: <b>40</b> <b>SWD</b> Acres

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 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 interest 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 interest, has been approved by the Division.



### OPERATOR CERTIFICATION

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

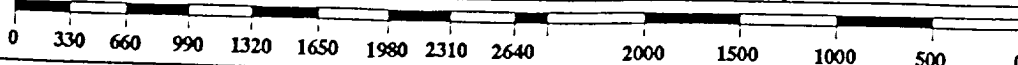
Signature  
**Ken Beardemph**  
Printed Name  
**KEN BEARDEMPH**  
Position  
**LANDMAN**  
Company  
**Yates Petroleum Corp.**  
Date  
**8-17-89**

### SURVEYOR CERTIFICATION

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  
**Refer to Original Plat**  
Signature & Seal of Professional Surveyor  
**attached**

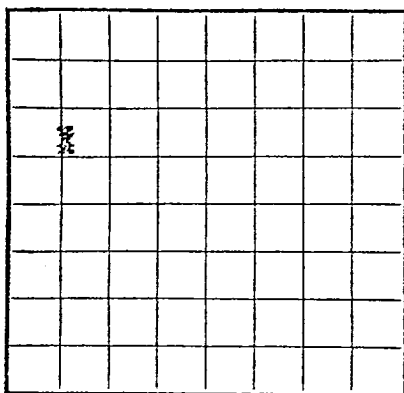
Certificate No.



U. S. LAND OFFICE *N 14 114 114*

SERIAL NUMBER .....

LEASE OR PERMIT TO PROSPECT .....



LOCATE WELL CORRECTLY

UNITED STATES **RECEIVED**  
DEPARTMENT OF THE INTERIOR JUN 3 1957  
GEOLOGICAL SURVEY  
U. S. GEOLOGICAL SURVEY  
AMERICA, NEW MEXICO

## LOG OF OIL OR GAS WELL

Company Standard Oil Company of Texas Address Box 1660, Midland, Texas  
Lessor or Tract Donatus Federal Field Wildcat State New Mexico  
Well No. 1 Sec. 10 T. 20S R. 24E Meridian ..... County Rocky  
Location 1282 ft. N. of E. Line and 542 ft. E. of W. Line of Section 10 Elevation 3755  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

*Charles F. Dwyer*Date May 31, 1957

Title

*Dist. Engr.*

The summary on this page is for the condition of the well at above date.

Commenced drilling October 24, 1956 Finished drilling November 22, 1956

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to ..... No. 4, from ..... to .....  
No. 2, from ..... to ..... No. 5, from ..... to .....  
No. 3, from ..... to ..... No. 6, from ..... to .....

## IMPORTANT WATER SANDS

No. 1, from 330 to 105 No. 3, from ..... to .....  
No. 2, from ..... to ..... No. 4, from ..... to .....

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8 5/8"</u>	<u>21 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>
<u>2 1/2"</u>	<u>10 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>
<u>2 1/2"</u>	<u>10 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>
<u>2 1/2"</u>	<u>10 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>
<u>2 1/2"</u>	<u>10 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>
<u>2 1/2"</u>	<u>10 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>
<u>2 1/2"</u>	<u>10 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>
<u>2 1/2"</u>	<u>10 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>
<u>2 1/2"</u>	<u>10 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>
<u>2 1/2"</u>	<u>10 1/2</u>	<u>3</u>	<u>Fitchburg Pipe</u>	<u>1000</u>	<u>Waker</u>	<u>None</u>			<u>Production</u>

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>
<u>2 1/2"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>
<u>2 1/2"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>
<u>2 1/2"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>
<u>2 1/2"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>
<u>2 1/2"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>
<u>2 1/2"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>
<u>2 1/2"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>
<u>2 1/2"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>
<u>2 1/2"</u>	<u>1000</u>	<u>1000</u>	<u>Waker</u>	<u>10.0</u>	<u>1000</u>

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

FOLD MARK

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

## DATES

....., 19..... Put to producing ..... , 19.....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. ....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. ....

## EMPLOYEES

....., Driller ..... , Driller

....., Driller ..... Tool pusher

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
11	295	284	Limestone
295	105	190	Sand and Limestone
505	3110	3035	Limestone
3110	3215	175	Sand and Limestone
3215	3769	154	Limestone
3769	3995	226	Sand and shale
3995	4065	70	Limestone
4065	4165	10	Shale and Sandstone
4165	1500	395	Limestone

NO HOLE, F&A

(OVER)

FORMATION

10-42094-4

YATES PETROLEUM CORPORATION  
Donahue Federal #1  
1980' FNL & 660' FNL  
Section 10-T20S-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:

Glorieta	1826'
Drinkard	3510'
Abo	4060'
TD	4664'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:  
  
Water: Approximately 330' - 405'  
Oil or Gas: - None
4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C.
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: None  
DST's: None  
Coring: None  
Logging: CNL from TD to casing with GR-CNL on to surface
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  
Donahue Federal #1  
1980' FNL and 660' FWL of  
Section 10, T20S-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 topographic map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 27 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 the Rock Daisy Road.
2. Turn west and go approximately 10.4 miles.

2. PLANNED ACCESS ROAD

1. New road will start here and go south to location.

3. LOCATION OF EXISTING WELL

- A. There is no drilling activity within a one-mile radius of the wellsite.
- B. Exhibit D shows no 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. This is to be a Salt Water Disposal Well and the necessary equipment will be installed on the pad. Electric power will be used and will come from Central Valley Electric.

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 a federal caliche pit located in the NENE of Section 34-T19S-R25E. This pit has been arc cleared.

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 for appropriate approval.
- 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. 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.

- 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.

11. SURFACE OWNERSHIP: The surface ownership is on federal surface with federal minerals.

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

B. Through Drilling Operations:  
  
Al Springer, Drilling Superintendent  
Yates Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210  
Phone (505)-748-1471



14. CERTIFICATION:

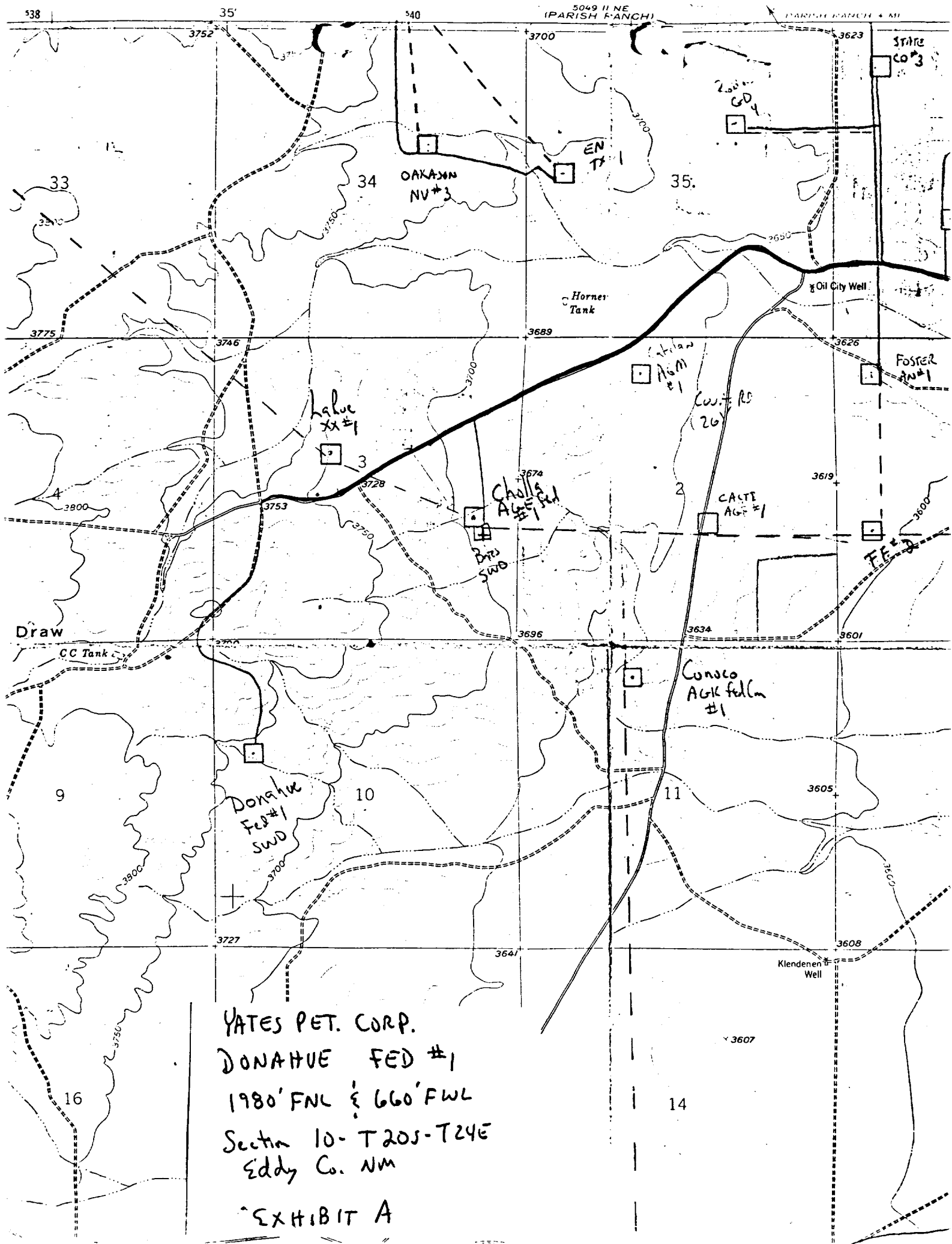
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated 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.

8-17-89

Date

Ken Beardemphl

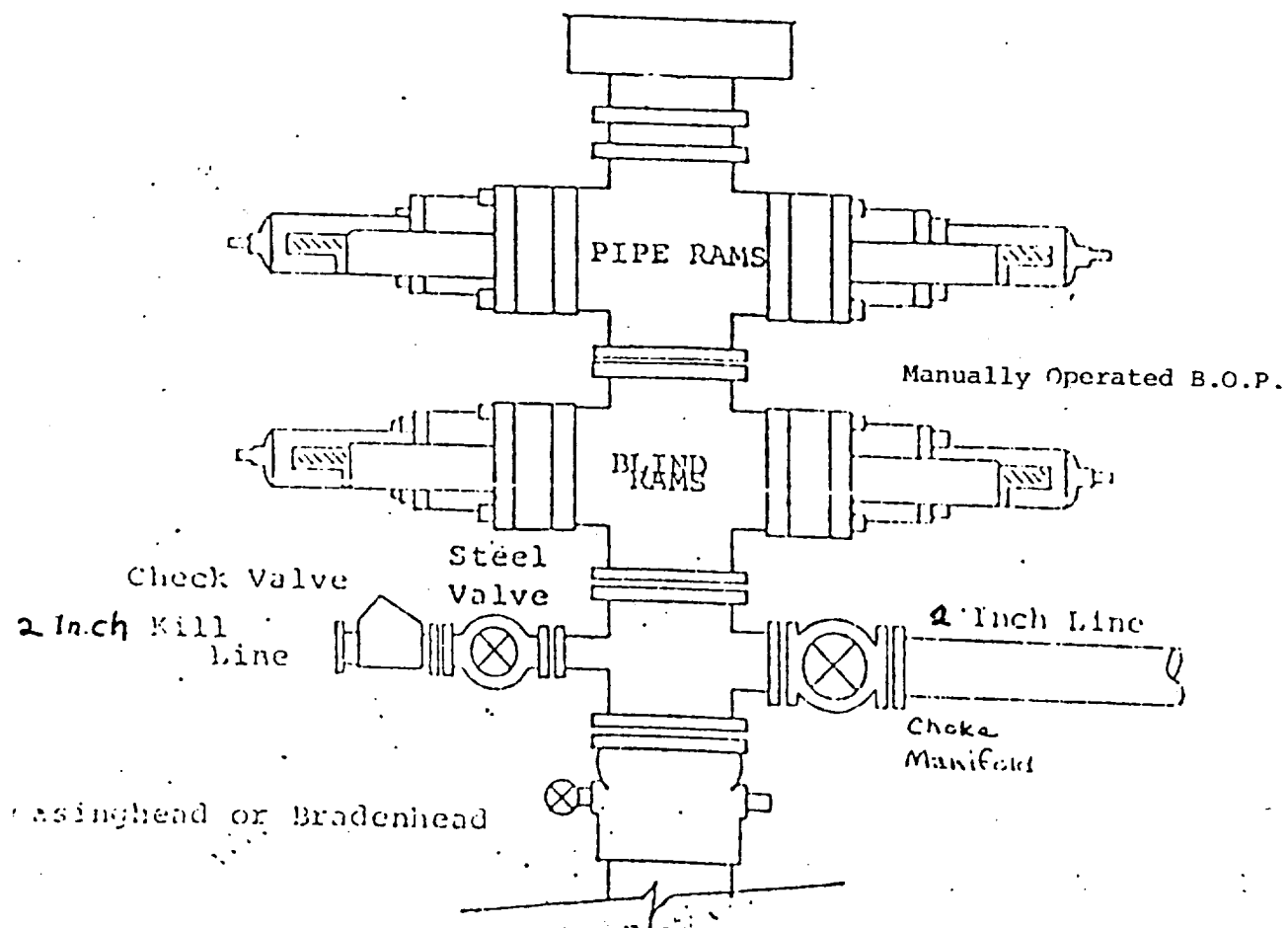
Ken Beardemphl  
Landman



# EXHIBIT B

## BDP DIAGRAM

RATED 3000<sup>#</sup>



TO BE USED AS A 2M SYSTEM REQUIREMENTS

# YATES PETROLEUM CORPORATION

## EXHIBIT C

