

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Artesia, 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

105 South Fourth Street, Artesia, NM 88210

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

At surface

1925'FSL & 1980'FWL

At proposed prod. zone

Same

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

Approx. 30 miles southwest of Artesia, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1925'

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

8150'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

3624

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
14 3/4"	9 5/8"	36# J-55	Approx. 1200'	800 sacks circulated
8 3/4"	7"	26# & 23#	TD	As warranted; SEE STIPS.
		K-55 & N-80		

Post ID-1  
1-11-91  
New Loc & API

We propose to drill and test the Cisco and intermediate formations. Approximately 1200' of surface casing will be set and cement circulated to shut off gravel and cavings. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production.

MUD PROGRAM: FW/Ge1/LCM to 1200'; FW to 4500'; cut Brine to 7500'; Drispak/Starch to TD.

BO PROGRAM: BOP's and Hydril will be installed on 9 5/8" casing and tested daily.

RECEIVED

DEC 31 '90

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 location, true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Ken Beardsley

TITLE

Landman

DATE

12-4-90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

12 28 90

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

ATTACHED

\*See Instructions On Reverse Side

**N MEXICO OIL CONSERVATION COMMISS**  
**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 <b>YATES PETROLEUM CORPORATION</b>			Lease <b>Senita AIP Federal Com</b>		Well No. <b>1</b>
Unit Letter <b>K</b>	Section <b>14</b>	Township <b>20 South</b>	Range <b>24 East</b>	County <b>Eddy County, N.M.</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>West</b> line and <b>1925</b> feet from the <b>South</b> line.					
Ground Level Elev. <b>3624.</b>	Producing Formation <b>Cisco Canyon</b>		Pool	Dedicated Acreage: <b>320</b> 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 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.

				<b>CERTIFICATION</b>	
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. 	
				Name	Ken Beardemphl
				Position	Landman
				Company	Yates Petroleum Corporation
				Date	12-4-90
				I hereby certify that the well location shown on this plat was obtained 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 <b>November 29, 1990</b>	
				Registered Professional Engineer and/or Land Surveyor 	
				Certificate No.	<b>5412</b>
				<b>NM PE&amp;PS NO. 5412</b>	

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

**YATES PETROLEUM CORPORATION**

**Senita "AIP" Federal #1  
1925' FSL and 1980' FWL  
Section 14-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:

San Andres	497'
Glorieta	2,059'
Bone Spring Lime	3,406'
3rd Bone Spring Sand	5,137'
Basal Bone Spring Dolomite	5,374'
Abo Green Shale	5,443'
Abo Forereef Dolomite	5,518'
Wolfcamp Lime	5,689'
Canyon Lime	7,519'
Canyon Dolomite	7,569'
Base Canyon Dolomite	7,804'
TD	8,150'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water:	Approximately 270'
Oil or Gas:	Wolfcamp, Canyon
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 400' depth 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**

**Senita "AIP" Federal #1**

**1925' FSL and 1980' FWL**

**Section 14-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 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 30 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 approximately 15 miles south of Artesia on Highway 285 to Rock Daisy Road.
2. Turn west and go approximately 8.2 miles to Sawbucks Road.
3. Turn south and go approximately 2 miles.
4. Turn east on lease road for 900', then turn south on lease road to location.
5. Location is on east side of lease road.

### **2. PLANNED ACCESS ROAD**

None needed.

### **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 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:**

Private located in Section 22-T20S-R24E.

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 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 Landowner 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: Carl Foster, Artesia, New Mexico

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.

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,  
Completions and Production:

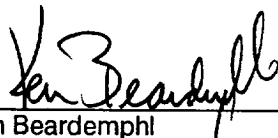
Mike Slater, Operations Manager  
Yates Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210  
Phone (505) 748-1471

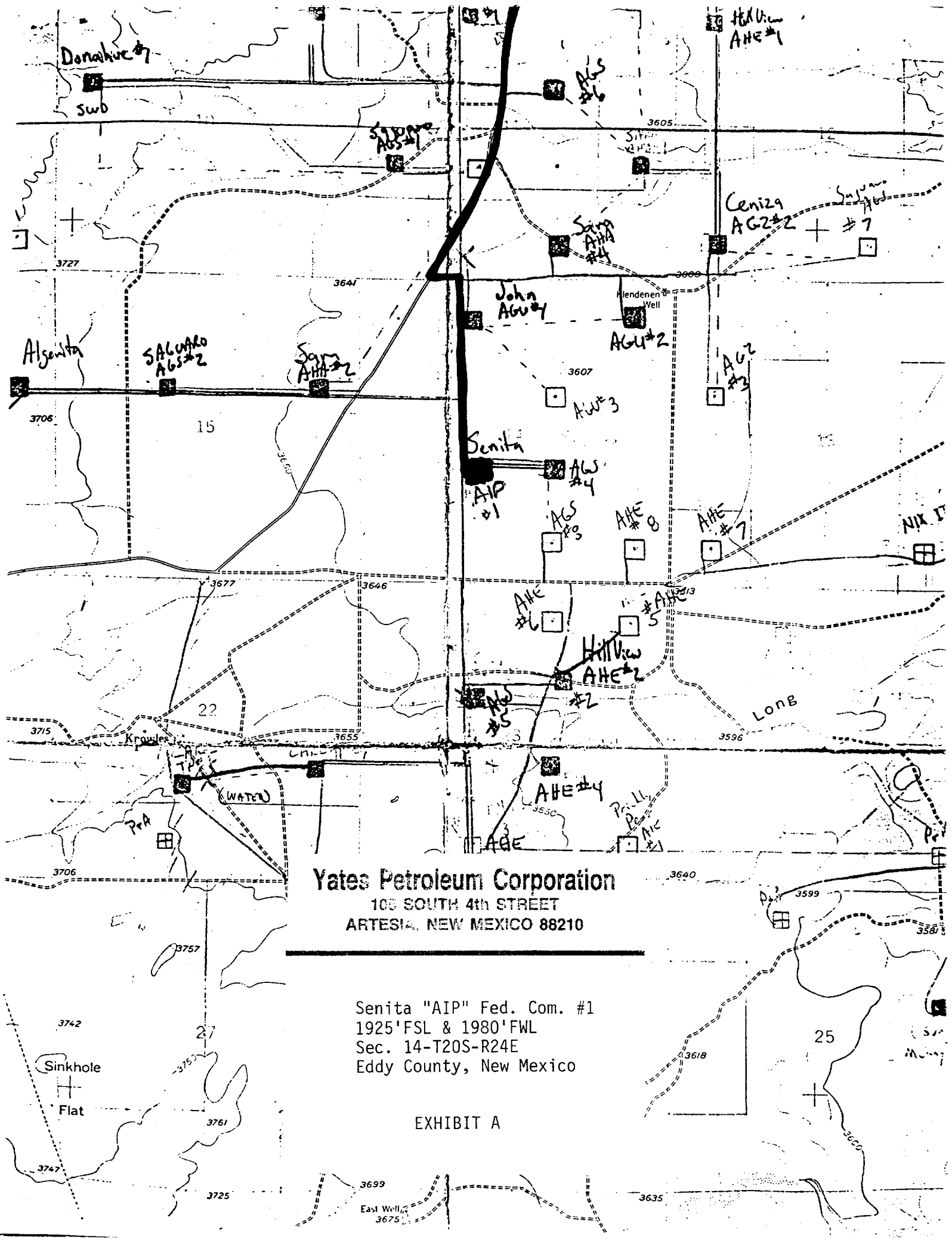
14. CERTIFICATION:

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.

12-4-90

\_\_\_\_\_  
Date

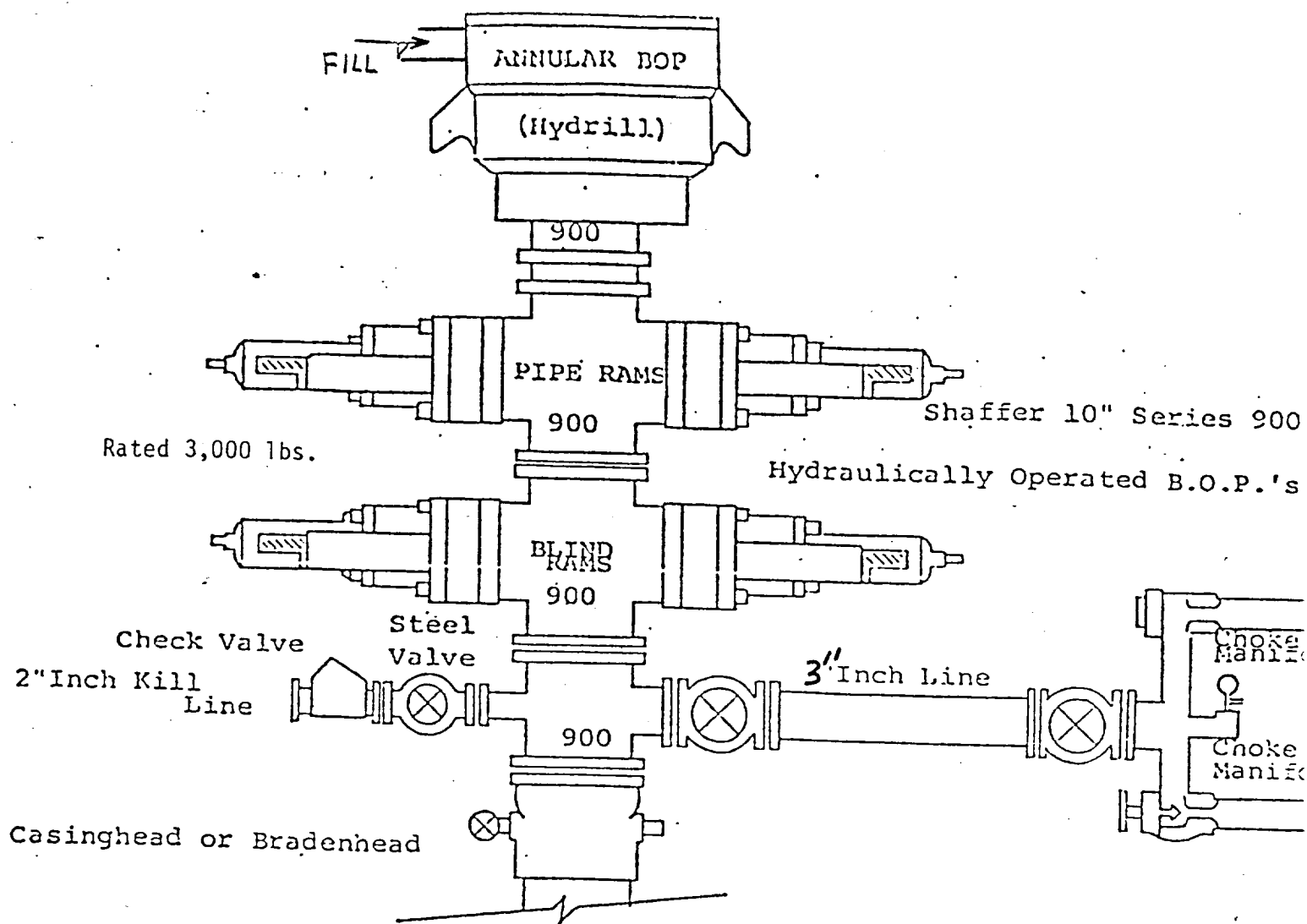
  
\_\_\_\_\_  
Ken Beardemphl  
Landman



**Yates Petroleum Corporation**  
100 SOUTH 4TH STREET  
ARTESIA, NEW MEXICO 88210

Senita "AIP" Fed. Com. #1  
1925' FSL & 1980' FWL  
Sec. 14-T20S-R24E  
Eddy County, New Mexico

EXHIBIT A



THE 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 3" 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.

EXHIBIT  
B



# YATES PETROLEUM CORPORATION

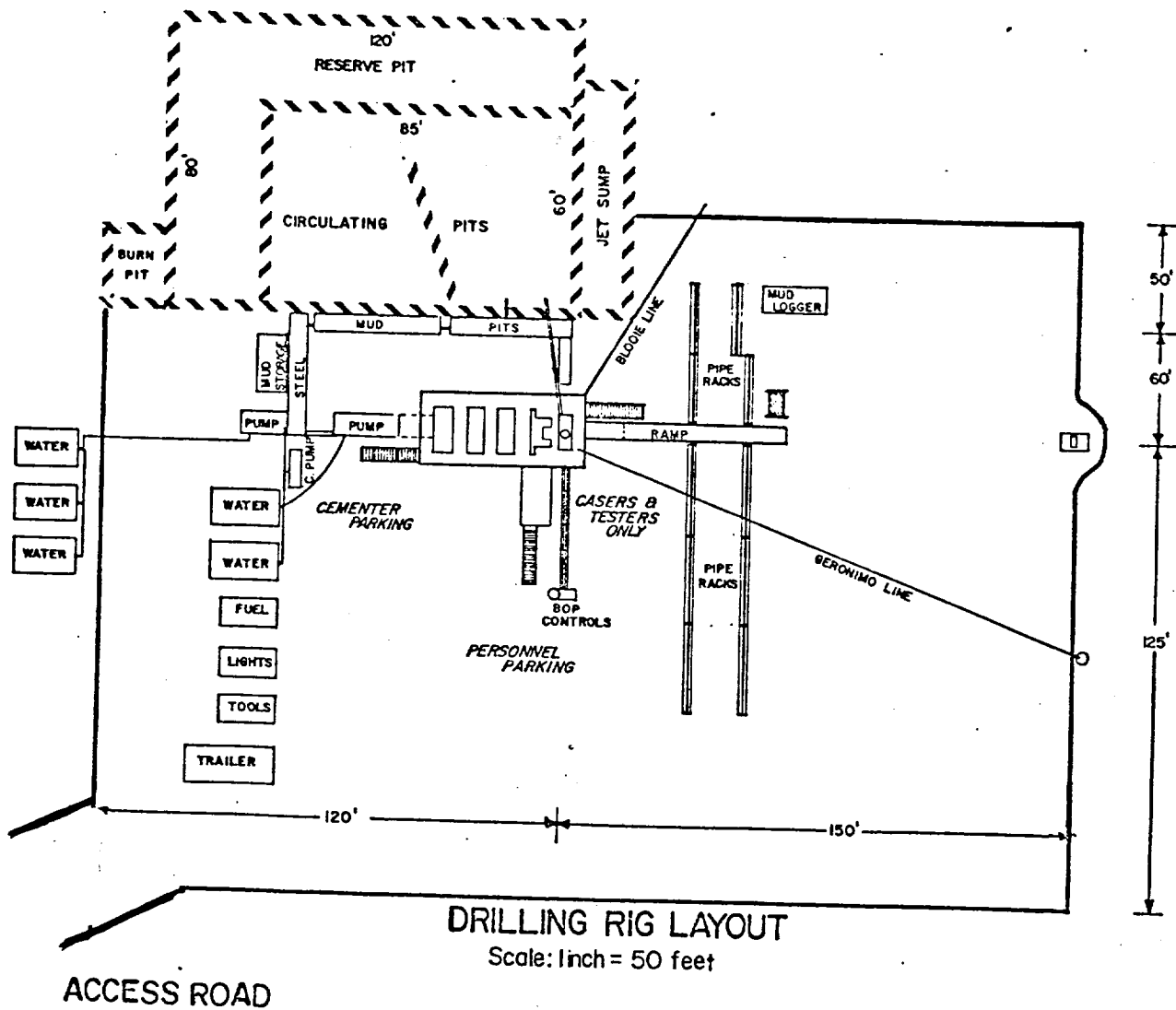


EXHIBIT C

# YATES PETROLEUM CORPORATION

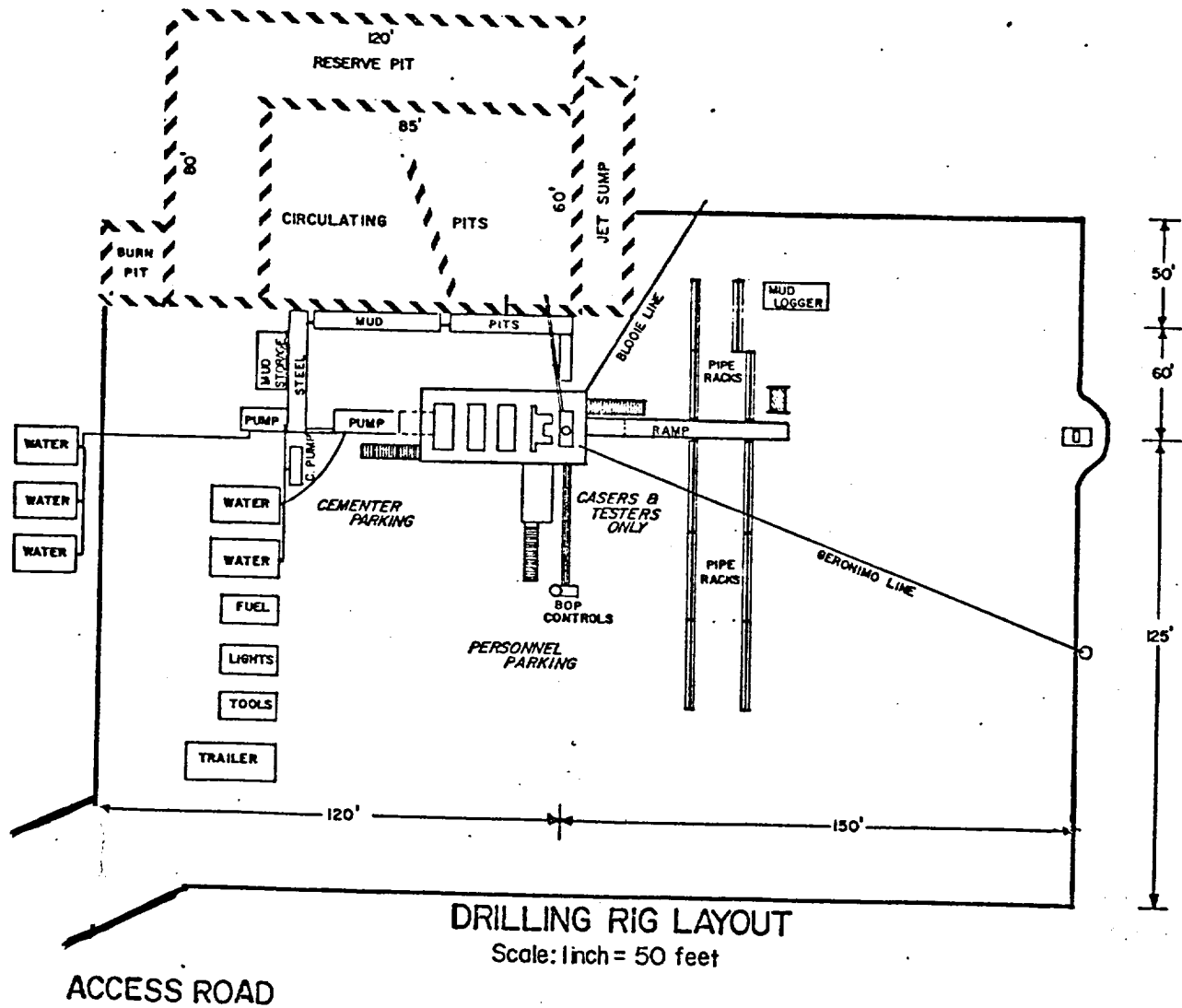


EXHIBIT C

105 SOUTH 4th STREET  
ARTESIA, NEW MEXICO 88210

Senita "AIP" Fed. Com. #1  
1925' FSL & 1980' FWL  
Sec. 14-T20S-R24E  
Eddy County, New Mexico

EXHIBIT D