

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-005-24071

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  
 S. P. Yates ✓  
 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 660' FSL & 1980' FEL  
 At proposed prod. zone same  
 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 35 miles southeast of Carlsbad, 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 401  
 17. NO. OF ACRES ASSIGNED TO THIS WELL 40  
 18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3750'  
 19. PROPOSED DEPTH  
 20. ROTARY OR CABLE TOOLS  
 small rotary  
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3104 GL  
 22. APPROX. DATE WORK WILL START\*

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O. C. D.  
ARTESIA, OFFICE

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 14785  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 Bennett Federal  
 9. WELL NO.  
 1  
 10. FIELD AND POOL, OR WELDCAT  
 X Undeveloped Bell Canyon  
 11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
 Ut-0  
 Sec. 30, T25S, R30E  
 12. COUNTY OR PARISH  
 Eddy  
 13. STATE  
 NM

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	conductor	40'	redimix
12 1/4"	8 5/8"	24#	825'	550 sx. circulated
7 7/8"	5 1/2"	15.5#	TD	150 sx

We propose to drill and test the Bell Canyon and intermediate formations. One joint of conductor pipe will be set and cemented. Approximately 825' of intermediate casing will be set and cement circulated. If commercial, 5 1/2" production casing will be run and stimulated as needed.

MUD PROGRAM: FW gel to 825', Brine to TD.

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

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ROSWELL, 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 preventer program, if any.

24. SIGNED Glenn Rodriguez TITLE Regulatory Manager DATE 1/8/82

(This space for Federal or State office use)

APPROVED  
 PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY: GEORGE H. STEWART TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL: JAN 18 1982  
 FOR JAMES A. GILLHAM  
 DISTRICT SUPERVISOR

SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

Approved II-1  
API + M. Grant  
1-11-82

V MEXICO OIL CONSERVATION COMMISSION  
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.

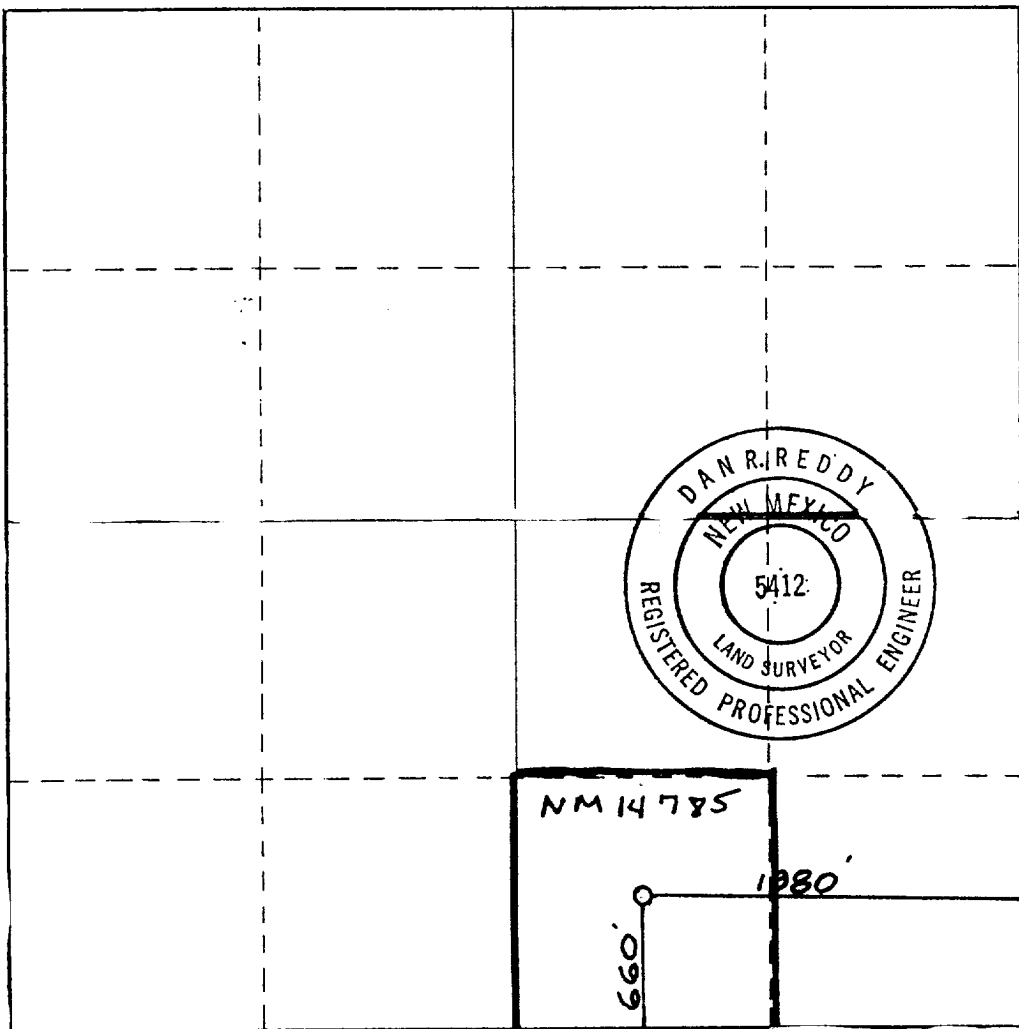
Operator <b>S. P. YATES</b>		Lease <b>Bennett Federal</b>		Well No. <b>1</b>
Unit Letter <b>O</b>	Section <b>30</b>	Township <b>25 South</b>	Range <b>30 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>660</b> feet from the <b>South</b> line and <b>1980</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3104</b>	Producing Formation <b>Bell Canyon</b>	Pool <b>Under Bell Canyon</b>	Dedicated Acreage: <b>40</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 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.

*Gliserio Rodriguez*  
Name

**GLISERIO RODRIGUEZ**  
Position

**Reg. Man.**  
Company

**YATES PETROLEUM CORP**  
Date

**1-11-82**

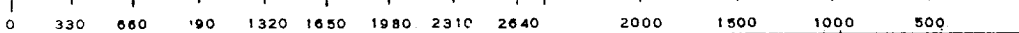
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**Jan. 7, 1982**

Registered Professional Engineer and/or Land Surveyor

*Dan R. Reddy*  
Certificate No.

**NMPE&LS #5412**



S. P. Yates  
Bennett Federal #1  
660' FSL and 1980' FEL  
Section 30-T25S-R30E  
Eddy County, New Mexico

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

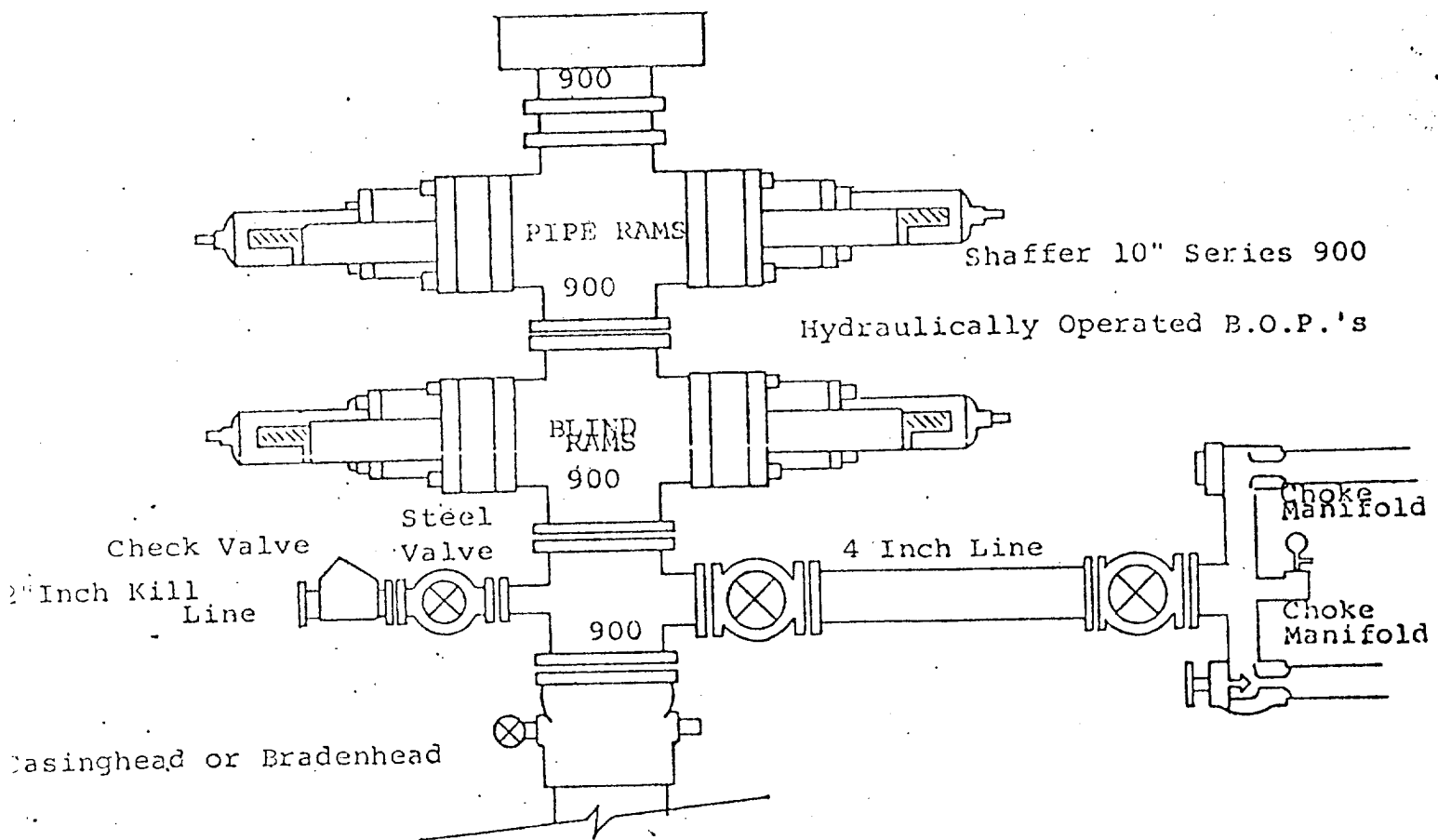
1. The geologic surface formation is sandy dunes (Halocene deposits).
2. The estimated tops of geologic markers are as follows: (from KB 3114')

Rustler	845'
Salt	1010'
Base of Salt	3275'
Lamar	3470'
Bell Canyon Sand of Delaware Group	3495'
TD	3750'
3. The estimated depths at which anticipated water or oil formations are expected to be encountered:

Water:	Approximately 150'
Oil:	3500'
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: None required.
8. Testing, Loggings and Coring Program:

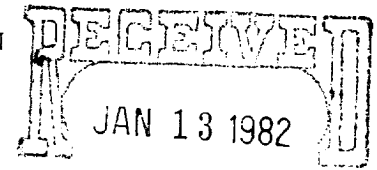
DST's:	None
Logging:	None
Coring:	None
9. No abnormal pressures or temperatures are indicated.
10. Anticipated starting date: As soon as possible after approval.  
Lease expiring 1/31/82.

## 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.



S. P. Yates  
 Bennett Federal #1  
 660' FSL and 1980' FEL  
 Section 30-T25S-30E

OIL & GAS  
 U.S. GEOLOGICAL SURVEY  
 ROSWELL, NEW MEXICO

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 operation.

#### 1. EXISTING ROADS.

Exhibit A is a portion of a USGS topographic map showing the wells and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 35 miles southeast of Carlsbad, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

#### DIRECTIONS:

1. From Carlsbad go south for 28 miles on highway 285, then turn east.
2. Go for four miles through the pipeline camp and across the river. After crossing the river, there will be a Dinero Oil Co. sign. Turn north-northeast here.
3. Go for 4½ miles, pass through P/L gate (3 miles from sign) and about a tenth of a mile past the caliche pit on the south side of road, turn southeast.
4. Go for 1 mile to a cattle watering tank and turn east.
5. Go for one-half mile on dirt road and turn south at stake with orange flagging. The new road will start here.

#### 2. PLANNED ACCESS ROAD.

- A. The proposed new access will be approximately 500' in length from point of origin to the edge of the drilling pad. The road will lie in a north-to-south direction.
- B. The new road will be 12 feet in width (driving surface).
- C. The new road will be covered with the necessary depth of caliche or other suitable material. The surface will be crowned, with drainage on one side.
- D. The new road has been flagged and the route of the road is clearly visible.

#### 3. LOCATION OF EXISTING WELLS.

- A. Drilling activity within a one-mile radius of the wellsite is shown on Exhibit A. The nearest production is two Perry R. Barr wells 1½ mile north in section 20.

#### 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 of oil, a gas of 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. Any caliche or similar material required for construction of the drilling pad and the new access road will be obtained from the nearest existing pit, which is a federal pit located in section 25-T25S-R29E NW/4. The pit will be 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 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 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 undulating. Cut and fill will be needed in the pad area and access road.

C. The reserve pits will be plastic lined and turned to the south.

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 been filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM and the USGS 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 undulating. The immediate area of the wellsite is discussed above in paragraph 9B.
- B. Flora and Fauna: The vegetation cover consists of mesquite, saltbush, sand sage, shimmering oak and other miscellaneous desert growth. The wildlife in the area probably includes those typical of semi-arid desert land. The area is used for cattle grazing.
- C. There is a water dam to the northeast and a minor water way to the north of the location.
- D. There are no inhabited dwellings in the vicinity of the proposed well.
- E. Surface Ownership: The wellsite is on federal surface and minerals.
- F. There is no evidence of any archaeological, historical, or cultural sites in the area.

12. OPERATOR'S REPRESENTATIVE.

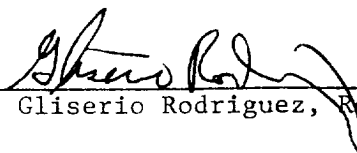
- A. The field representatives responsible for assuring compliance with the approved surface use plan are:

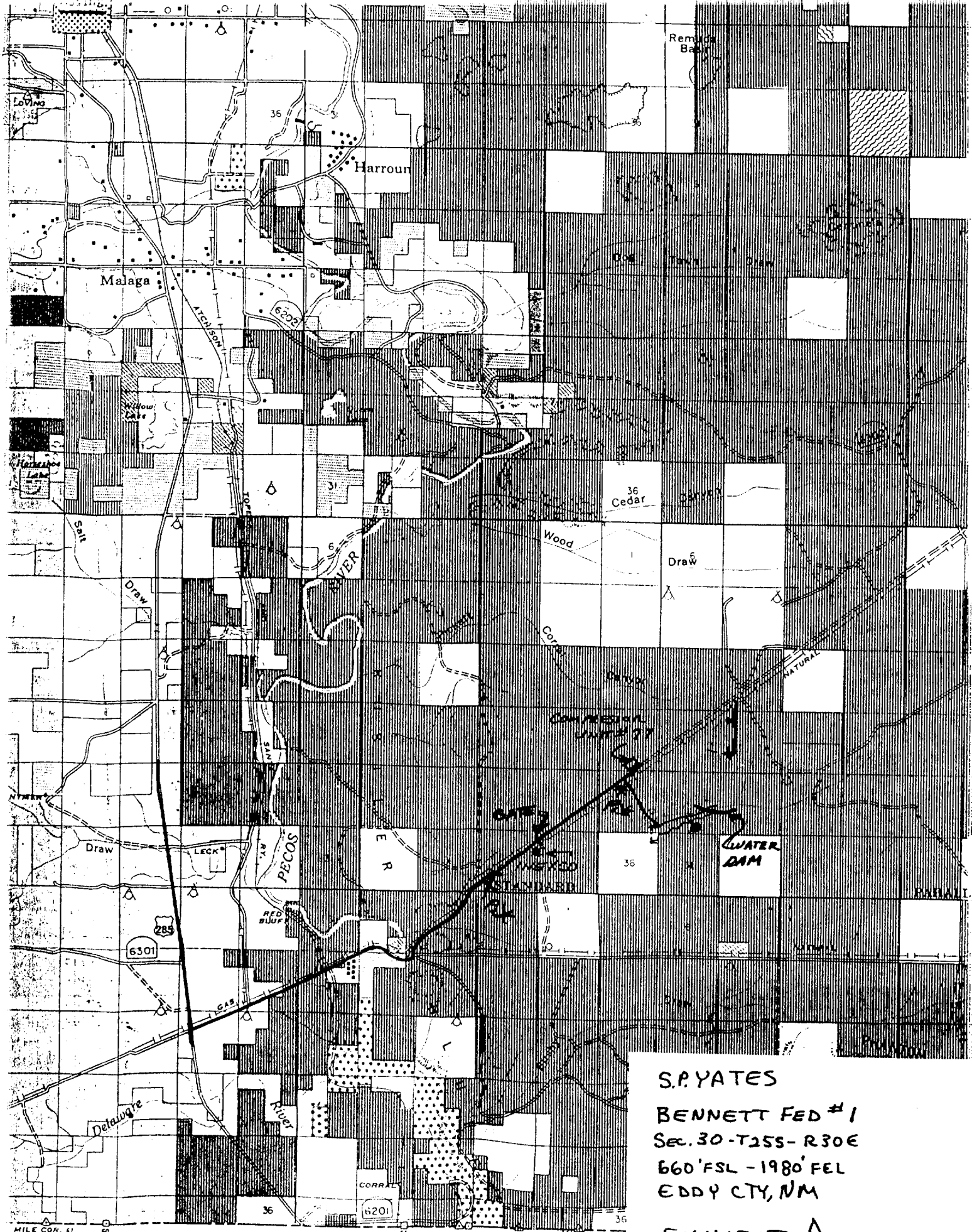
Gliserio "Rod" Rodriguez, Cy Cowan, or Ken Beardemphl  
Yates Petroleum Corporation  
207 S. 4th Street  
Artesia, New Mexico 88210  
(505) 746-3558

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 Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

1/8/82  
Date

  
Gliserio Rodriguez, Regulatory Manager



S.P. YATES  
 BENNETT FED #1  
 Sec. 30-T255-R30E  
 660' FSL - 1980' FEL  
 EDDY CTY, NM  
EXHIBIT A

CLARK MON. 51  
 MILE COR. 52  
 LONE FENCE