

UNITED STATES <sup>Artesia,</sup>  
DEPARTMENT OF THE INTERIOR

## GEOLOGICAL SURVEY

APPLICATION FOR PERMIT RECEIVED BY DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/>		OCT 26 1984 <input type="checkbox"/>		PLUG BACK <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/>		OTHER <input type="checkbox"/> O. C. D. <input type="checkbox"/>		SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. FARM OR LEASE NAME	
2. NAME OF OPERATOR YATES PETROLEUM CORPORATION		ARTESIA, OFFICE				Munoz Canyon "AAN" Fed.	
3. ADDRESS OF OPERATOR 207 South 4th Street, Artesia, New Mexico 88210						9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 890' FNL and 360' FEL At proposed prod. zone same						10. FIELD AND POOL, OR WILDCAT Wildcat	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 4.4 miles North of Glencoe, New Mexico						11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10-T10S-R15E	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		360'		16. NO. OF ACRES IN LEASE 2480'		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.				19. PROPOSED DEPTH appr. 1900'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6991' GL						22. APPROX. DATE WORK WILL START* ASAP	

### 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"	48# H-40	appr. 425'	500 sx circulate
7 7/8"	5 1/2"	14# K-55	TD	<del>150 sx</del> CIRCULATE

We propose to drill and test the Pre-cambrian and intermediate formations. Approximately 425' of surface casing will be set. If commercial, will run 5 1/2" casing with 600' cement cover, and will perforate and stimulate as needed for production.

MUD PROGRAM: FW gel/LCM to 425', FW/gel/starch to TD.

BOP PROGRAM: BOP's and hydril will be installed on the surface csg and tested daily.

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 *Steven R. [Signature]* TITLE Regulatory Agent DATE 10/1/84  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY S/Phil Kirk TITLE Area Manager DATE 10-25-84

CONDITIONS OF APPROVAL, IF ANY:

1  
Postcard ID!  
APT & NL  
11-9-84

**NEW MEXICO OIL CONSERVATION COMMISSION 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.

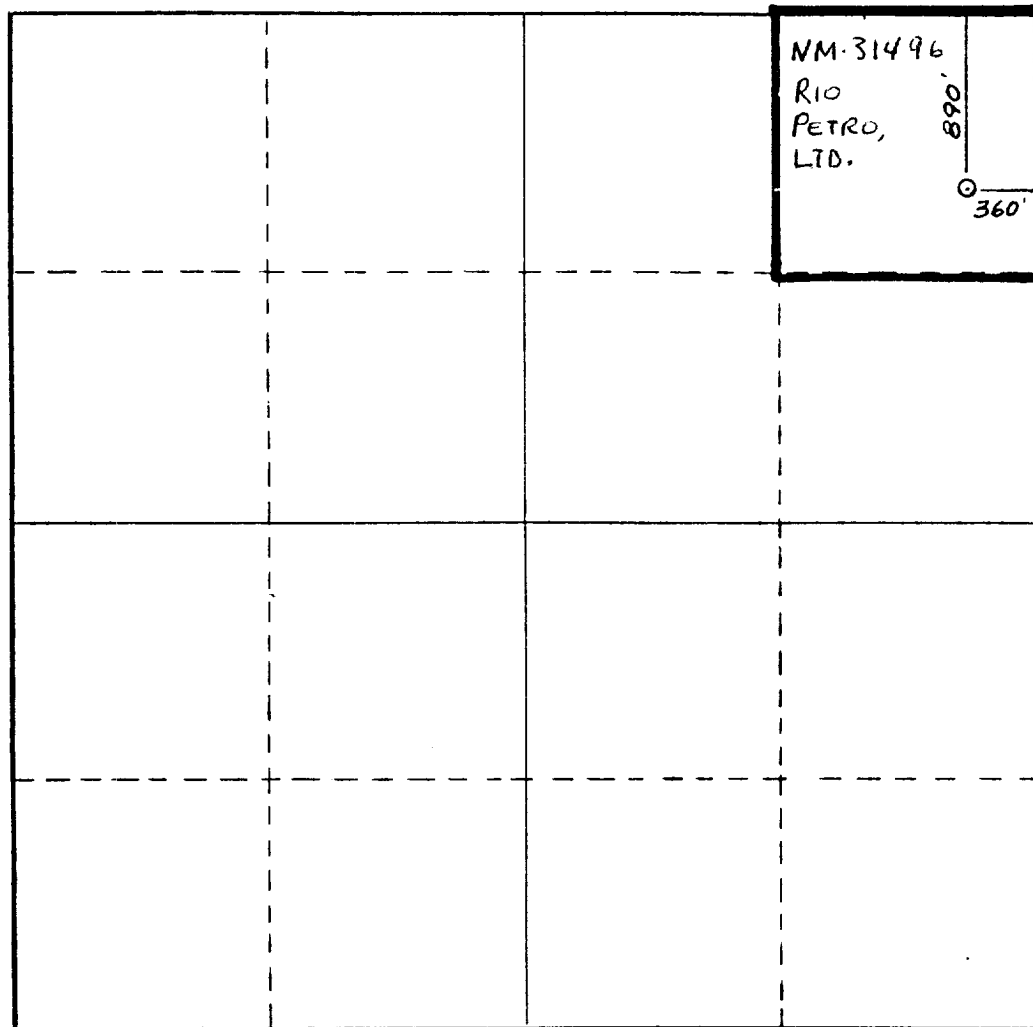
Operator <b>YATES PETROLEUM CORPORATION</b>			Lease <b>Munoz Canyon AAN Federal</b>		Well No. <b>1</b>
Unit Letter <b>A</b>	Section <b>10</b>	Township <b>10 South</b>	Range <b>15 East</b>	County <b>Lincoln</b>	
Actual Footage Location of Well: <b>890</b> feet from the <b>North</b> line and <b>360</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6991.</b>	Producing Formation <i>Precambrian</i>		Pool <i>Wildcat</i>	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**

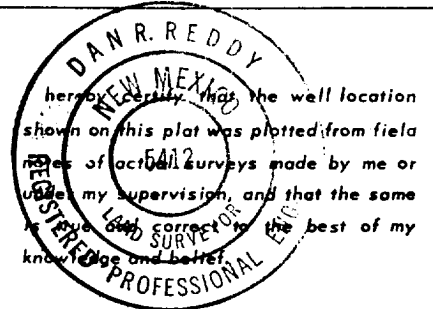
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Gliserio Rodriguez*  
Name  
**Gliserio Rodriguez**

Position  
**Regulatory Agent**

Company  
**Yates Petroleum Corporation**

Date  
**10/1/84**



Date Surveyed  
**September 25, 1984**

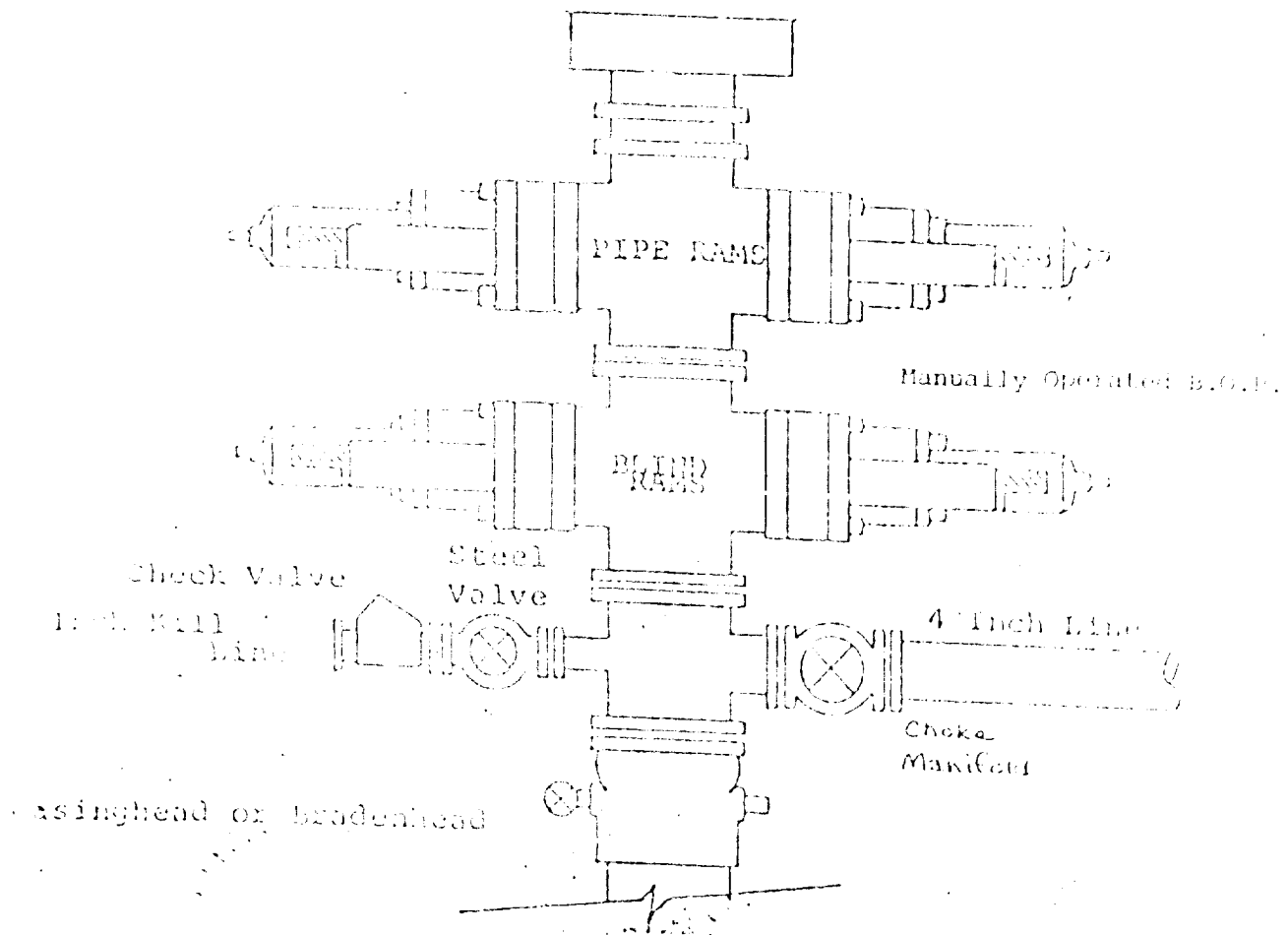
Registered Professional Engineer  
and/or Land Surveyor

*Dan R. Reddy*  
Certificate No.

**NM PE&LS NO. 5412**

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

EXHIBIT B  
BDP DIAGRAM  
RATED 3000<sup>psi</sup>



YATES PETROLEUM CORPORATION  
Munoz Canyon "AAIN" Federal #1  
890' FNL and 360' FEL  
Section 10-T10S-R15E  
Lincoln County, New Mexico

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

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

Yeso	425'
Precambrian	1450'
TD	1900'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:  
  
Water: None  
  
Oil or Gas: Possible at 1000'-1050' and 1400'
4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control quipment: 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: 10' out from under surface csg.  
DST's: As warranted  
Coring: Up to Gearhart "Hard Rock Core" in potential reservoir.  
Logging: QNL/LDT - TD to csg; EPT from TD to csg.  
Mud Logging: One man unit surface to TD.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval.

