

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
N.M. ON CONS. COMMISSION  
P.O. BOX 1990  
FORTS, NEW MEXICO 88240  
SUBMIT 1  
Duplicate  
Per 11. actions on  
reverse side)

30025-31946  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|  |                                  |  |  |
|--|----------------------------------|--|--|
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>   |                                  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-86148                          |
| b. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                                  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>-                                |
| 2. NAME OF OPERATOR<br>Yates Petroleum Corporation   |                                  |  | 7. UNIT AGREEMENT NAME<br>-  |
| 3. ADDRESS OF OPERATOR<br>105 South Fourth Street, Artesia, New Mexico 88210   |                                  |  | 8. FARM OR LEASE NAME<br>01013<br>Cleary AKC Federal                     |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface<br>1650' FNL and 330' FWL unit E<br>At proposed prod. zone<br>same                               |                                  |  | 9. WELL NO.<br>4   |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>38 mile west and north of Jal, New Mexico   |                                  |  | 10. FIELD AND POOL, OR WILDCAT<br>39<br>E. Livingston Ridge Delaware     |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  | 16. NO. OF ACRES IN LEASE<br>640 | 17. NO. OF ACRES ASSIGNED TO THIS WELL<br>40 | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Section 17-T22S-R32E |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  | 19. PROPOSED DEPTH<br>8900'      | 20. ROTARY OR CABLE TOOLS<br>Rotary          | 12. COUNTY OR PARISH<br>Lea  |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>3751' GR   |                                  |  | 13. STATE<br>NM  |
| 22. APPROX. DATE WORK WILL START*<br>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"        | 54.50# J-55      | 900'          | 750 sacks CIRCULATE   |
| 11"          | 8 5/8"         | 32# J-55 & HC-80 | 4550'         | 1400 sacks (tie back) |
| 7 7/8"       | 5 1/2"         | 15.5# & 17# J-55 | TD            | 900 sacks (tie back)  |

Yates Petroleum Corporation proposes to drill and test the Delaware and intermediate formations. Approximately 900' of surface casing will be set and cement circulated. Approximately 4550' of intermediate casing will be set and cement circulated. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FWGEL to 900, Brine to 4550, cut Brine to TD

BOPE PROGRAM: BOPE will be installed on the 13 3/8" casing and tested daily for operational.

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 Clifton R. May TITLE Permit Agent DATE 2/18/93  
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE AREA MANAGER DATE 4/12/93

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

\*See Instructions On Reverse Side

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

## DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

## DISTRICT III

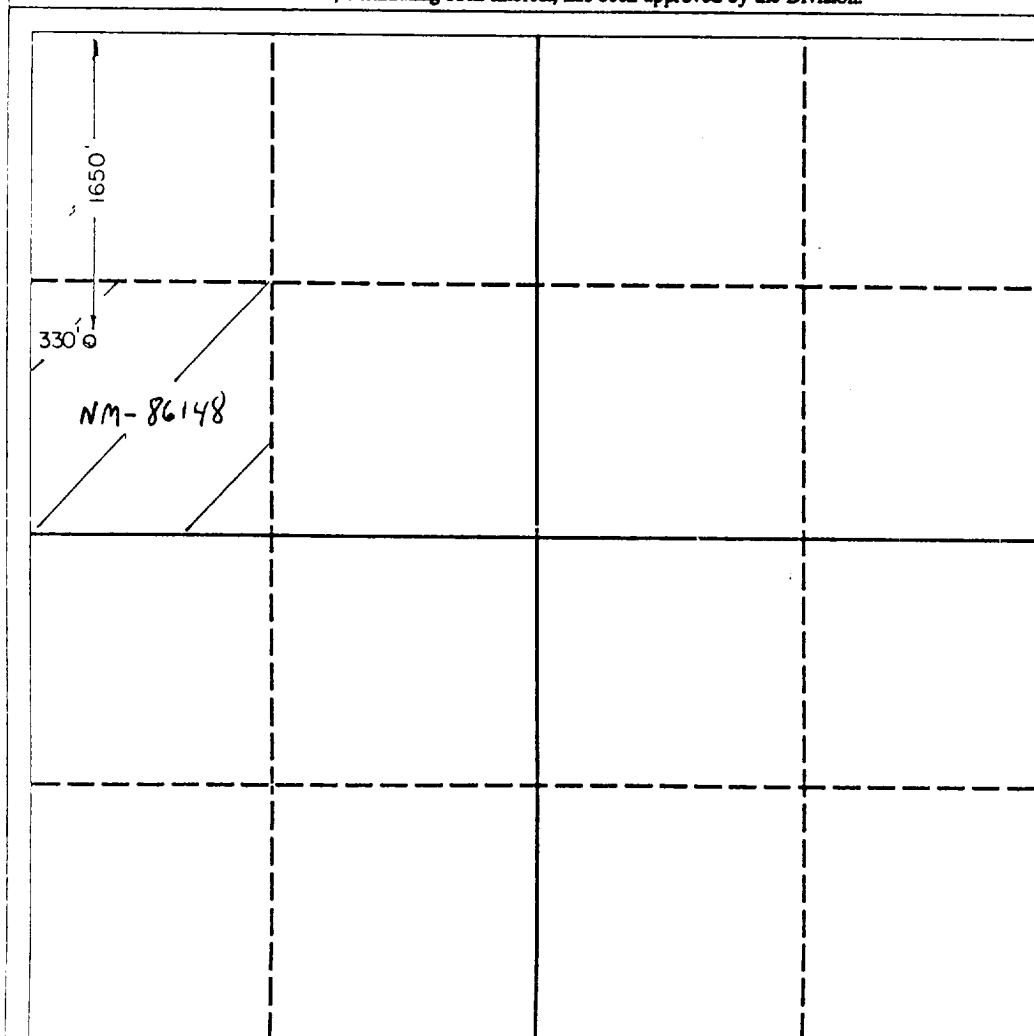
1000 Rio Brazos Rd., Aztec, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|   |                      |  |                                      |   |                                       |
|---|----------------------|--|--------------------------------------|---|---------------------------------------|
| Operator<br><b>YATES PETROLEUM CORPORATION</b>  |                      |  | Lease<br><b>CLEARY "AKC" FEDERAL</b> |   | Well No.<br><b>4</b>                  |
| Unit Letter<br><b>E</b>   | Section<br><b>17</b> | Township<br><b>22 SOUTH</b>            | Range<br><b>32 EAST</b>              | County<br><b>NMPM LEA</b>                   |                                       |
| Actual Footage Location of Well:<br><b>1650</b> feet from the <b>NORTH</b> line and <b>330</b> feet from the <b>WEST</b> line |                      |  |                                      |   |                                       |
| Ground level Elev.<br><b>3751</b>   |                      | Producing Formation<br><b>DELAWARE</b> |                                      | Pool<br><b>F. LIVINGSTON RIDGE DELAWARE</b> | Dedicated Acreage:<br><b>40</b> Acres |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 *Clifton R. May*  
Printed Name **Clifton R. May**  
Position **Permit Agent**  
Company **Yates Petroleum Corporation**  
Date **2/18/93**

### 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 **2/03/93**  
Signature & Seal of Professional Surveyor  
*Herschel L. Jones*  
Certificate No. **3640**

**YATES PETROLEUM CORPORATION**  
Cleary AKC Federal #4  
1650' FNL and 330' FWL  
Sec. 17      T22S      R32E  
County      Lea      State      NM

1. The estimated tops of geologic markers are as follows:

|                |       |
|----------------|-------|
| Rustler        | 870'  |
| Bottom of Salt | 4440' |
| Bell Canyon    | 4685' |
| Cherry Canyon  | 5675' |
| Brushy Draw    | 7450' |
| Bone Spring    | 8600' |
| TD             | 8900' |

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

Water: 150-250'  
Oil or Gas: 7450' and 8600'

3. Pressure Control Equipment: BOPE will be installed on the 13 3/8" casing and rated for 3M BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

**Auxiliary Equipment:**

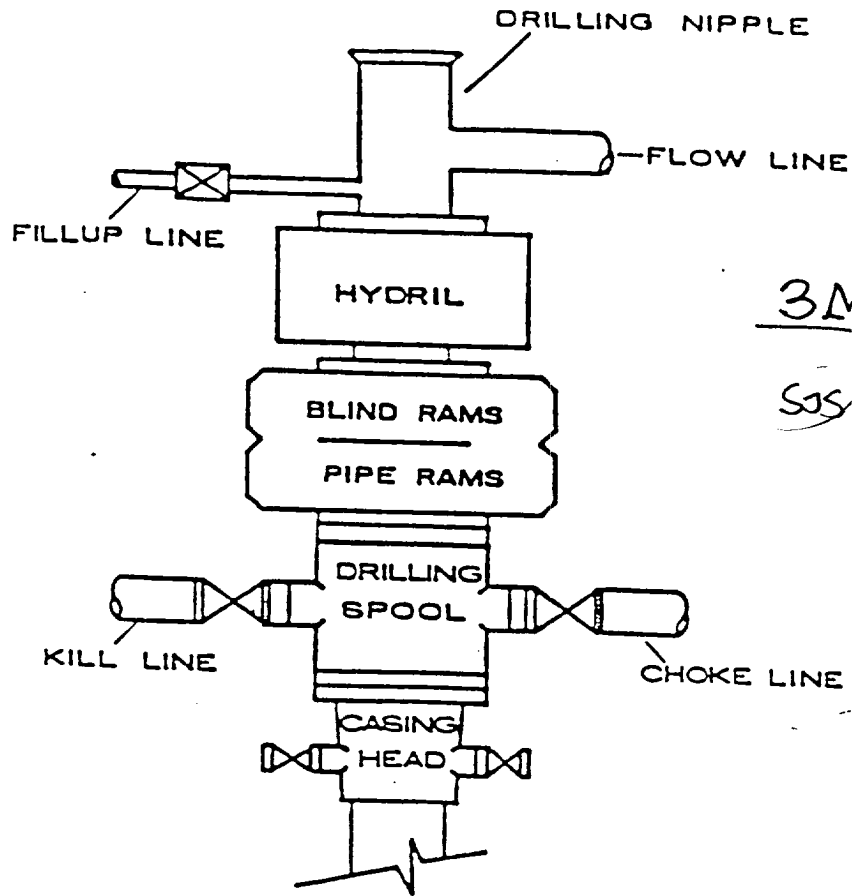
- A. Auxiliary Equipment: Kelly cock, pit level indicators, and a sub Ilk;kfull opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.
4. THE PROPOSED CASING AND CEMENTING PROGRAM:

A. Casing Program: (All New)

| <u>Hole Size</u> | <u>Casing Si00</u> | <u>Wt./Ft</u> | <u>Grade</u> | <u>Thread</u> | <u>Coupling</u> | <u>Interval</u> | <u>Length</u> |
|------------------|--------------------|---------------|--------------|---------------|-----------------|-----------------|---------------|
| 17 1/2"          | 13 3/8"            | 54.50         | J55          | 8R            | ST&C            | 0-900           | 900'          |
| 11"              | 8 5/8"             | 32#           | J55          | 8R            | ST&C            | 0-4200          | 4200'         |
| 11"              | 8 5/8"             | 32#           | HC-80        | 8R            | LT&C            | 4200-4550       | 350'          |
| 7 7/8"           | 5 1/2"             | 17#           | J55          | 8R            | LT&C            | 0-1500          | 1500'         |
| 7 7/8"           | 5 1/2"             | 5.50#         | J55          | 8R            | LT&C            | 1500-6700       | 5200          |
| 7 7/8"           | 5 1/2"             | 17#           | J55          | 8R            | LT&C            | 6700-8900       | 2200          |

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.80

# BOP STACK



3M  
*SSS*

