

**U.S. DEPT. OF THE INTERIOR**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE  
Number 1. 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  
 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, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1650' FNL and 330' FWL *unit E*  
 At proposed prod. zone  
 same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 38 mile west and north of Jal, New Mexico

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  
 640

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  
 8900'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3751' GR

22. APPROX. DATE WORK WILL START\*  
 ASAP

5. LEASE DESIGNATION AND SERIAL NO.  
 NM-86148

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 -

7. UNIT AGREEMENT NAME  
 -

8. FARM OR LEASE NAME  
 Cleary AKC Federal *01013*

9. WELL NO.  
 4

10. FIELD AND POOL, OR WILDCAT  
 E. Livingston Ridge Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 17-T22S-R32E

12. COUNTY OR PARISH  
 Lea

13. STATE  
 NM

**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# <b>J-55</b>	900'	750 sacks <b>CIRCULATE</b>
11"	8 5/8"	32# <b>J-55</b> & HC-80	4550'	1400 sacks <b>(tie back)</b>
7 7/8"	5 1/2"	15.5# & 17# <b>J-55</b>	TD	900 sacks <b>(tie back)</b>

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

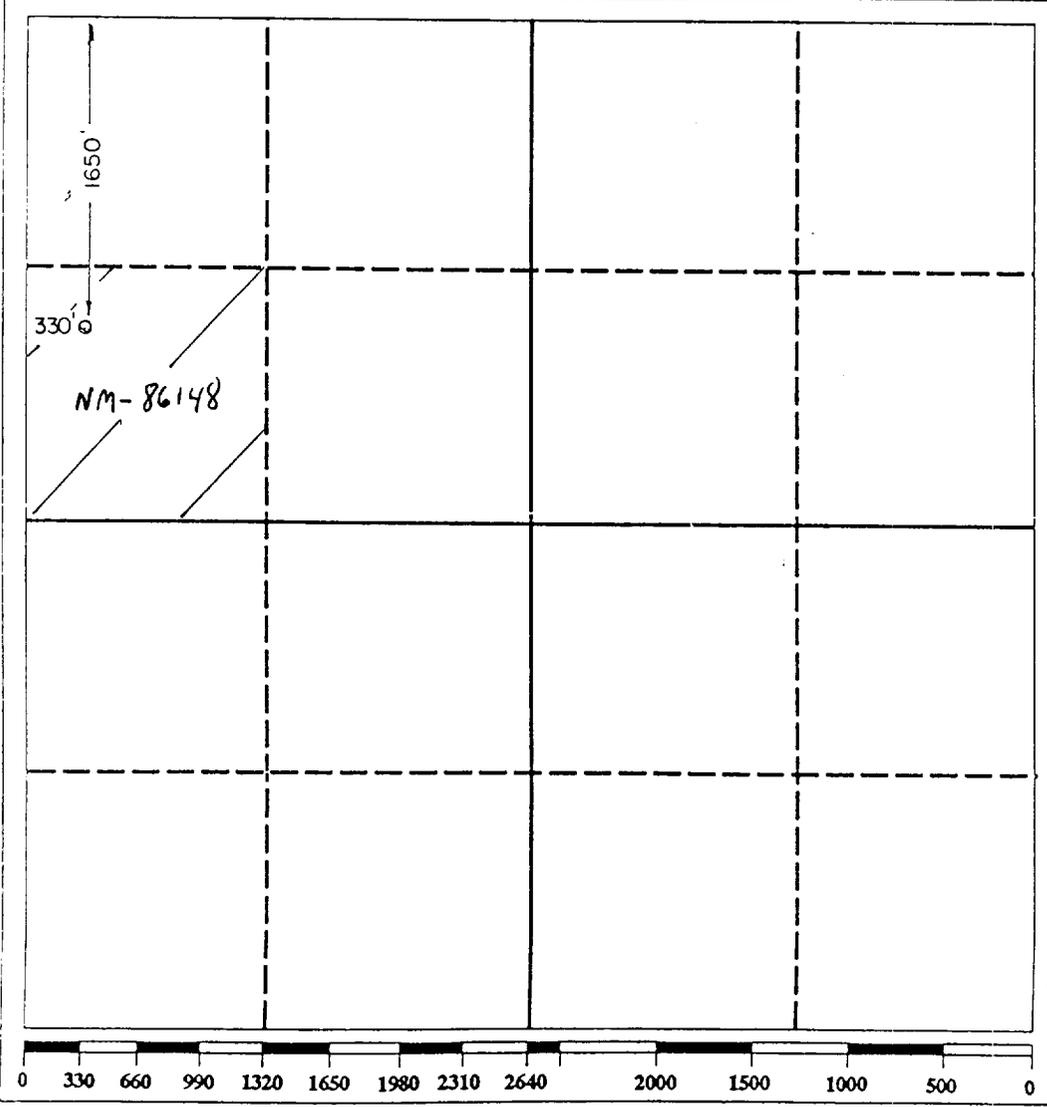
Operator <b>YATES PETROLEUM CORPORATION</b>			Lease <b>CLEARY "AKC" FEDERAL</b>			Well No. <b>4</b>		
Unit Letter <b>E</b>	Section <b>17</b>	Township <b>22 SOUTH</b>	Range <b>32 EAST</b>	County <b>NMPM I.E.A.</b>				
Actual Footage Location of Well: <b>1650</b> feet from the <b>NORTH</b> line and <b>330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

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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**  
**Clery 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 Ill;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.

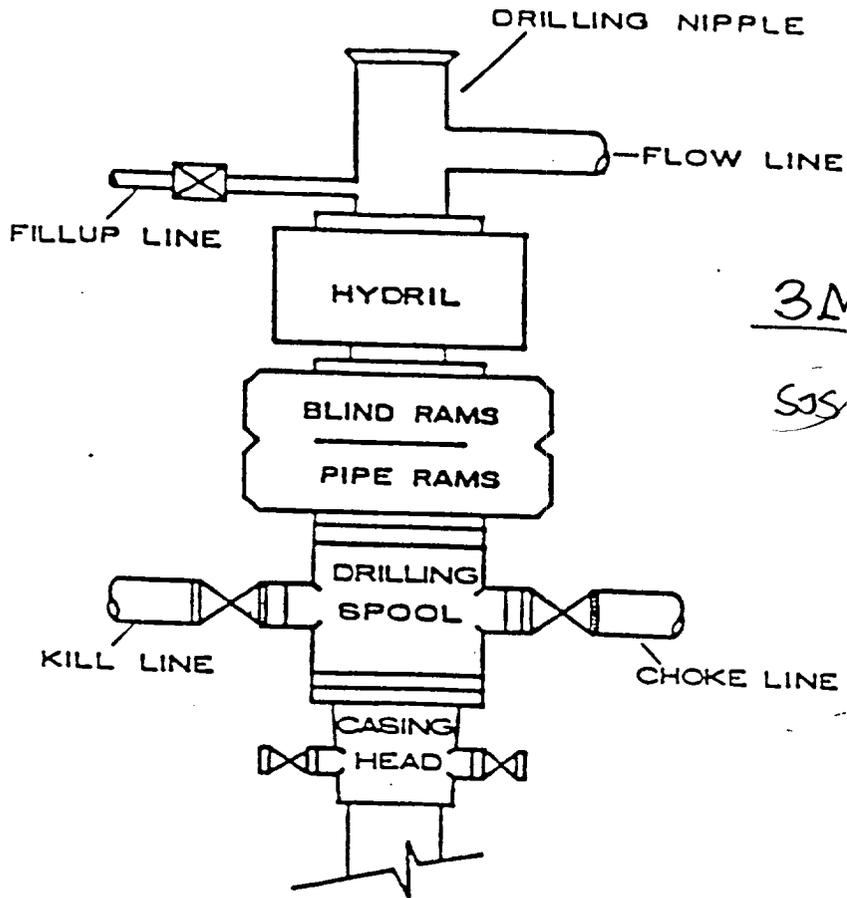
4. THE PROPOSED CASING AND CEMENTING PROGRAM:

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: Callapse 1.125, Burst 1.0, Tensile Strength 1.80

BOP STACK



3M  
SSS

