

U. S. M. OIL CONS. COMMISSION  
UNITED STATES DEPARTMENT OF THE INTERIOR  
P.O. BOX 1300  
BUREAU OF LAND MANAGEMENT

TRIPPLICATE  
actions on reverse side)

30025-31945  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.  
NM-77062

6. IF INDIAN, ALLOTTED OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
Amanda "AMN" Federal

9. WELL NO.  
2

10. FIELD AND POOL, OR WILDCAT  
Diamondtail Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 11-T23S-R32E

12. COUNTY OR PARISH  
Lea

13. STATE  
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, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 990' FNL and 1650' FWL unit C  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
41 miles Northwest of Jal, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
16. NO. OF ACRES IN LEASE  
280

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  
9000'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3719' GR

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"	54.50# J-55	1200'	950 sacks CIRCULATE
11"	8 5/8"	32# J-55 & HC-80	4630'	1450 sacks (tie back)
7 7/8"	5 1/2"	15.5# J-55 & 17# J-55	TD	700 sacks (tie back)

Yates Petroleum Corporation proposes to drill and test the Delaware and intermediate formations. Approximately 1200' of surface casing will be set and cement circulated. Approximately 4630' 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: FW/GEL to 1200'; Brine to 4630', cut Brine to TD

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

RECEIVED  
FEB 22 8 10 AM '93  
OIL CONSERVATION  
AREA

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 (ORIG. SGD.) RICHARD L. MANUS TITLE APPROVAL MANAGER DATE 4/12/93  
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

ATTACHED S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

**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

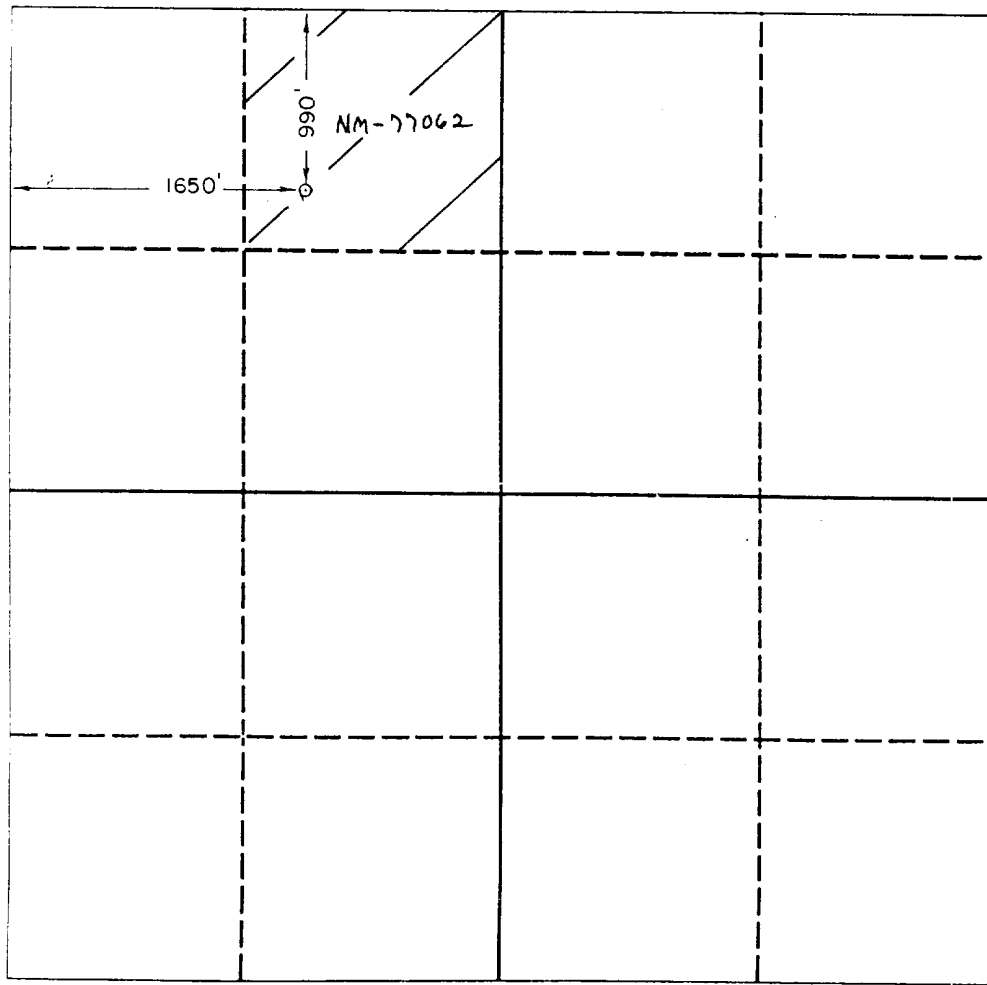
Operator <b>YATES PETROLEUM CORPORATION</b>			Lease <b>AMANDA "AMN" FEDERAL</b>		Well No. <b>2</b>
Unit Letter <b>C</b>	Section <b>11</b>	Township <b>23 SOUTH</b>	Range <b>32 EAST</b>	County <b>NMPM LEA</b>	
Actual Footage Location of Well: <b>990</b> feet from the <b>NORTH</b> line and <b>1650</b> feet from the <b>WEST</b> line Ground level Elev. <b>3719</b> Producing Formation <b>DELAWARE</b> Pool <b>DIAMONDTAIL 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**

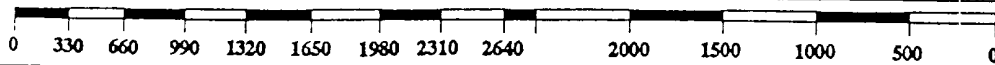
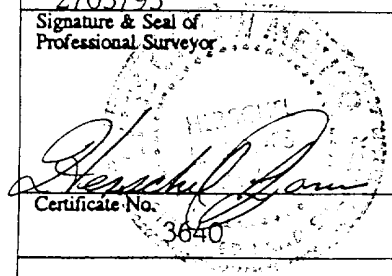
Date **2/10/93**

**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



**YATES PETROLEUM CORPORATION**  
**AMANDA AMN FED. #2**  


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**990' FNL AND 1650' FWL**  


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**Sec. 11      T23S      R32E**  


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**County      LEA      State    NM**

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

Rustler	1155'	Bone Spring	8720'
Bottom of Salt	4530'	TD	9000'
Bell Canyon	4800'		
Cherry Canyon	5780'		
Brushy Canyon	7590'		

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

Water:            250-750  
Oil or Gas:    7590' and 8720'

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 with full 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.

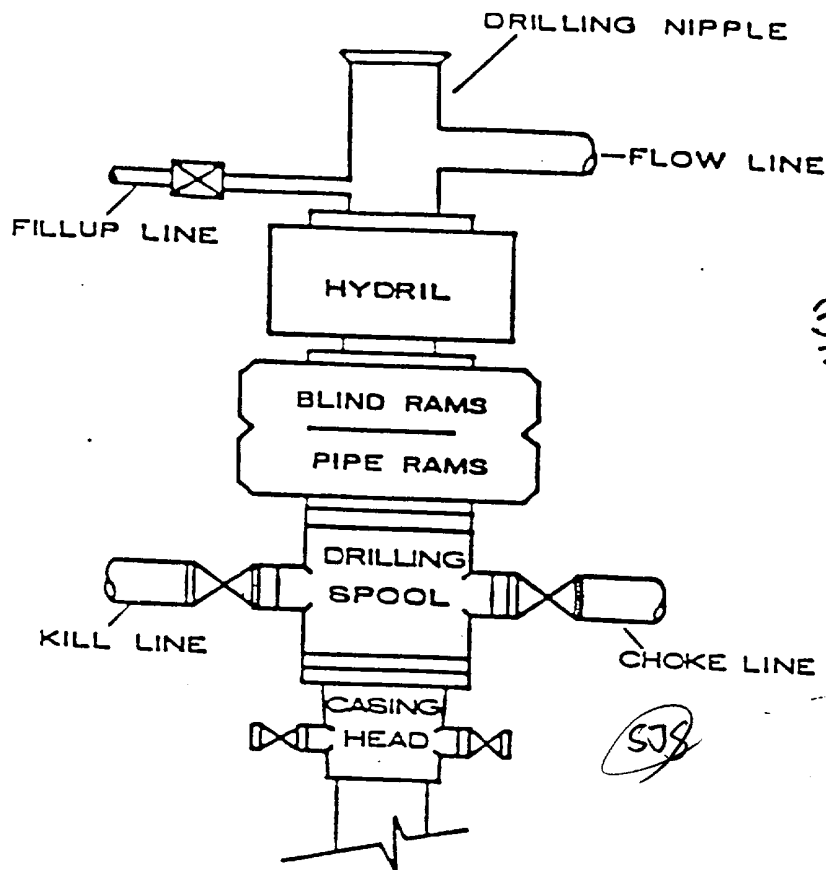
4. THE PROPOSED CASING AND CEMENTING PROGRAM:

A. Casing Program: (All New)

<u>Hole Size</u>	<u>Casing Size</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	0-1200	1200
11"	8 5/8	32	J55	8R	ST&C	0-4200	4200'
11"	8 5/8	32	HC-80	8R	LT&C	4200-4630	430'
7 7/8"	5 1/2	17#	J55	8R	LT&C	0-1500	1500'
7 7/8"	5 1/2	15.50#	J55	8R	LT&C	1500-6700	5200'
7 7/8"	5 1/2	17#	J55	8R	LT&C	6700-9000	2300'

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

# BOP STACK



3M

SJS

