

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION  
P.O. BOX 1980  
HOBBS, NEW MEXICO 88240

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

NM 77062

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Amanda AMN Fed. #1

9. API Well No.

3002531947

10. Field and Pool, or Exploratory Area

Diamondtail Delaware

11. County or Parish, State

Lea, N.M.

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

YATES PETROLEUM CORPORATION

3. Address and Telephone No.

105 S. 4th Street, Artesia, NM 88210 (505) 748-1471

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 11-T23S-R32E

SE1/4

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☒ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Yates Petroleum Corporation is submitting application for produced water from the above well pursuant to NTL-2B, Section II, and requests your approval. The well produces approximately 250 bbls of water per day from the Diamondtail Delaware formation. The water is stored in a 210 barrel stock tank and trucked by XL Transportation to the Gilmore.

A water analysis is attached.

14. I hereby certify that the foregoing is true and correct

Signed

*Kelli Derr*

Title Production Clerk

Date

4-4-94

(This space for Federal or State office use)

Approved by

Signed by Shannon J. Shaw

Title

PETROLEUM ENGINEER

Date

4/26/94

Conditions of approval, if any:

Title 18 U.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.

\*See Instruction on Reverse Side

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APR 25 1994

OLD HUBBS  
OFFICE

**TRETOLITE** DIVISION(505) 746-3588  
Fax (505) 746-3580Reply to:  
P.O. Box FF  
Artesia, NM  
88211-7531WATER ANALYSIS REPORT  
-----Company : YATES PETROLEUM  
Address : ARTESIA, NM  
Lease : AMANDA "NAN" FED.  
Well : 1  
Sample Pt. : WELHEADDate : 4/1/94  
Date Sampled : 3/31/94  
Analysis No. : 669

ANALYSIS		mg/L	* meq/L
-----		----	-----
1. pH	5.6		
2. H <sub>2</sub> S	NEG		
3. Specific Gravity	1.190		
4. Total Dissolved Solids		287237.6	
5. Suspended Solids		NR	
6. Dissolved Oxygen		NR	
7. Dissolved CO <sub>2</sub>		NR	
8. Oil In Water		NR	
9. Phenolphthalein Alkalinity (CaCO <sub>3</sub> )			
10. Methyl Orange Alkalinity (CaCO <sub>3</sub> )			
11. Bicarbonate	HCO <sub>3</sub>	24.0	HCO <sub>3</sub> 0.4
12. Chloride	Cl	179346.0	Cl 5059.1
13. Sulfate	SO <sub>4</sub>	25.0	SO <sub>4</sub> 0.5
14. Calcium	Ca	25200.0	Ca 1257.5
15. Magnesium	Mg	5360.2	Mg 441.0
16. Sodium (calculated)	Na	77282.5	Na 3361.6
17. Iron	Fe	NR	
18. Barium	Ba	NR	
19. Strontium	Sr	NR	
20. Total Hardness (CaCO <sub>3</sub> )		85000.0	

PROBABLE MINERAL COMPOSITION  
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*milli equivalents per Liter	Compound	Equiv wt	X meq/L	= mg/L
+-----+				-----
1257 *Ca <----- *HCO <sub>3</sub>	Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.0	0.4	32
----- /----->	CaSO <sub>4</sub>	68.1	0.5	35
441 *Mg -----> *SO <sub>4</sub>	CaCl <sub>2</sub>	55.5	1256.6	69727
----- <----- /	Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.2		
3362 *Na -----> *Cl	MgSO <sub>4</sub>	60.2		
+-----+	MgCl <sub>2</sub>	47.6	441.0	20993
Saturation Values Dist. Water 20 C	NaHCO <sub>3</sub>	84.0		
CaCO <sub>3</sub> 13 mg/L	Na <sub>2</sub> SO <sub>4</sub>	71.0		
CaSO <sub>4</sub> * 2H <sub>2</sub> O 2090 mg/L	NaCl	58.4	3361.6	196450
BaSO <sub>4</sub> 2.4 mg/L				

REMARKS:  
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Petro-lite Oilfield Chemicals Group

Respectfully submitted,  
A. MILLER

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APR 25 1994

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OFFICE

**BUREAU OF LAND MANAGEMENT  
CARLSBAD RESOURCE AREA**

**Disposal of Produced Water From Federal Wells**

**Conditions of Approval**

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Order No. 7 (Disposal of Produced Water).
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. All aboveground structures on the lease shall be painted sandstone brown, federal std. 595-20318, within 90 days, if you have not already done so.
6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit, within 30-days an application for right-of-way approval to the Realty Section in this office if you have not already done so.

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**APR 29 1994**

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OFFICE**