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Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OIL CONS COM  
Artesia, NM 88210  
FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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)

Unit O, SEC. 33-T18S-R30E

660' FSL/2180' FEL

5. Lease Designation and Serial No.  
NM-27276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Benson Deep Unit #1

9. API Well No.

#30-015-22793

10. Field and Pool, or Exploratory Area

Benson-Strawn

11. County or Parish, State

Eddy, New Mexico

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 1.5 bbls of water per day from the Benson-Strawn formation. The water is stored in a 210 barrel stock tank and transported by I & W Water Service to the Yates' Walter Solt State #1 SWD Gathering System. (SWD #318)

A water analysis is attached.

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AUG 31 1995

OIL CON. DIV.

DIST. 2

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

Signed Shannon Cayland

Title Production Clerk

Date 4/14/93

(This space for Federal or State office use)

Approved by Orig. Signed by Shannon J. Shaw

Title PETROLEUM ENGINEER

Date 8/29/95

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

# TRETOLITE

Chemicals and Services

PETROLITE

16010 Barker's Point Lane • Houston, Texas 77079  
713 558-5200 • Telex: 4620346 • FAX: 713 558-4737

Reply to: P.O. Box FF  
Artesia, New Mexico 88210  
(505) 746-3588 Phone  
(505) 746-3580 Fax

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## WATER ANALYSIS REPORT

Company : YATES PETROLEUM  
Address : ARTESIA, NEW MEXICO  
Lease : BENSON DEEP UNIT  
Well : #1  
Sample Pt. : WELLHEAD

Date : 04/14/93  
Date Sampled : 04/14/93  
Analysis No. : 114

ANALYSIS		mg/L		* meq/L
1. pH	5.5			
2. H <sub>2</sub> S	5 PPM			
3. Specific Gravity	1.090			
4. Total Dissolved Solids		134862.4		
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>	36.0	HCO <sub>3</sub>	0.6
12. Chloride	Cl	86265.0	Cl	2433.4
13. Sulfate	SO <sub>4</sub>	175.0	SO <sub>4</sub>	3.6
14. Calcium	Ca	16200.0	Ca	808.4
15. Magnesium	Mg	5912.8	Mg	486.5
16. Sodium (calculated)	Na	26273.6	Na	1142.8
17. Iron	Fe	NR		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO <sub>3</sub> )		64800.0		

## PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt X meq/L	=	mg/L
808	*Ca <----- *HCO <sub>3</sub>	Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.0	0.6	48
486	/----->	CaSO <sub>4</sub>	68.1	3.6	248
1143	*Mg -----> *SO <sub>4</sub>	CaCl <sub>2</sub>	55.5	804.1	44622
	<-----/	Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.2		
	*Na -----> *Cl	MgSO <sub>4</sub>	60.2		
		MgCl <sub>2</sub>	47.6	486.5	23158
		NaHCO <sub>3</sub>	84.0		
		Na <sub>2</sub> SO <sub>4</sub>	71.0		
		NaCl	58.4	1142.8	66787

Saturation Values Dist. Water 20 C

CaCO <sub>3</sub>	13 mg/L
CaSO <sub>4</sub> * 2H <sub>2</sub> O	2090 mg/L
BaSO <sub>4</sub>	2.4 mg/L

## REMARKS:

----- L. MALLETT / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
STEVE TIGERT