

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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)

Sec. 18-T26S-R38E

*Unit L 1650/S & 330/W*

5. Lease Designation and Serial No.

NM2593

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. *Federal*  
Ed Powell IG #1

9. API Well No.

*42-495-31611-3D-D25-25583*

10. Field and Pool, or Exploratory Area

Scarborough H

11. County or Parish, State

Winkler, Texas

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

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ 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 3 bbls of water per day from the Scarborough H formation. The water is stored in a 210 barrel stock tank and transported by X L Transportation Company to the Jet Disposal System, Inc. in Kermit, Texas. Permit #04026, RRC Operator #432087, RRC District #8.

A water analysis is attached.

Dec 17 1993

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

Signed *Shannon Coupland*

Title *Production Clerk*

Date *11-29-93*

(This space for Federal or State office use)

(ORIG. SGD.) DAVID R. GLASS

Title **PETROLEUM ENGINEER**

Date **DEC 28 1993**

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

Petrolite Corporation  
200 North Lorraine, Suite 1100  
Midland, TX 79701-4736

## TRETOLITE DIVISION

(915) 682-4301  
Fax (915) 684-7873

Reply to:  
P.O. Box 60180  
Midland, TX 79711-0180

## WATER ANALYSIS REPORT

Company : YATES PETROLEUM  
Address : HOBBS, NEW MEXICO  
Lease : ED POWELL I G  
Well : PED. #1  
Sample Pt. :

Date : 11-23-93  
Date Sampled : 11-20-93  
Analysis No. : 3581

ANALYSIS		mg/L	* meq/L
1. pH	6.5		
2. H2S	55 PPM		
3. Specific Gravity	1.120		
4. Total Dissolved Solids		185540.0	
5. Suspended Solids			
6. Dissolved Oxygen			
7. Dissolved CO2		340 PPM	
8. Oil In Water			
9. Phenolphthalein Alkalinity (CaCO3)			
10. Methyl Orange Alkalinity (CaCO3)		147.0	
11. Bicarbonate	HCO3	179.3	HCO3 2.9
12. Chloride	Cl	115251.4	Cl 3251.1
13. Sulfate	SO4	1655.0	SO4 34.5
14. Calcium	Ca	11655.3	Ca 581.6
15. Magnesium	Mg	6101.8	Mg 502.0
16. Sodium (calculated)	Na	50690.7	Na 2204.9
17. Iron	Fe	6.5	
18. Barium	Ba	Not Run	
19. Strontium	Sr	Not Run	
20. Total Hardness (CaCO3)		54228.8	

## PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
582 *Ca <----- *HCO3	Ca(HCO3)2	81.0	2.9 238
502 *Mg -----> *SO4	CaSO4	68.1	34.5 2346
2205 *Na -----> *Cl	CaCl2	55.5	544.2 30197
	Mg(HCO3)2	73.2	
	MgSO4	60.2	
	MgCl2	47.6	502.0 23898
	NaHCO3	84.0	
	Na2SO4	71.0	
	NaCl	58.4	2204.9 128854

Saturation Values Dist. Water 20 C  
CaCO3 13 mg/L  
CaSO4 \* 2H2O 2090 mg/L  
BaSO4 2.4 mg/L

REMARKS: HARDIN - BENNETT - FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
SUE CRISS

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 NTL-2B.
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, or 30318, 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.