

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
5. Lease Designation and Serial No.

NM-83068

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir or well.
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 27-T20S-R29E 1980' FNL & 910' FWL Unit E SWNW

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Zinnia Federal Unit #1

9. API Well No.

3001527939

10. Field and Pool, or Exploratory Area
E. Burton Flat Undesignated Strawn

11. County or Parish, State
Eddy, N.M.

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 Order #7 and requests your approval. The well produces approximately 6 bbls of water per day from the Und. Strawn formation. The water is stored in a 210 barrel fiberglass tank and pipelined to the Burton Flat SWD permit # 497 Sec. 21-20S-29E.

A water analysis is attached.

RECEIVED

OCT 16 1995

OIL CON. DIV.
DIST. 2

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

Signed Shannon Coupland Title Production Clerk

Date 9/22/95

(This space for Federal or State office use)

Approved by James R. Ames

Title Lead OGI

Date 10/12/95

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

PETROLITE

Petrolite Corporation
422 West Main Street
Artesia, NM 88210-2041

TRETOLITE DIVISION

(505) 746-3588
Fax (505) 746-3580

WATER ANALYSIS REPORT

Reply to:
P.O. Box 1140
Artesia, NM
88211-7531

Company : YATES PETROLEUM
Address : ARTESIA, NM
Lease : ZINNIA FEDERAL
Well : #1
Sample Pt. : WELLHEAD

Date : 06/29/95
Date Sampled : 06/27/95
Analysis No. : 0112

ANALYSIS		mg/L		* meq/L
1. pH		5.8		
2. H2S		NR		
3. Specific Gravity		1.085		
4. Total Dissolved Solids		120886.2		
5. Suspended Solids		NR		
6. Dissolved Oxygen		NR		
7. Dissolved CO2		NR		
8. Oil In Water		NR		
9. Phenolphthalein Alkalinity (CaCO3)				
10. Methyl Orange Alkalinity (CaCO3)				
11. Bicarbonate	HCO3	85.0	HCO3	1.4
12. Chloride	Cl	72633.0	Cl	2048.9
13. Sulfate	SO4	50.0	SO4	1.0
14. Calcium	Ca	18840.0	Ca	940.1
15. Magnesium	Mg	-4186.4	Mg	-344.4
16. Sodium (calculated)	Na	33464.6	Na	1455.6
17. Iron	Fe	NR		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO3)		29812.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt X meq/L	= mg/L
940 *Ca <----- *HCO3	1	Ca(HCO3)2	81.0 1.4	113
/----->		CaSO4	68.1 1.0	71
-344 *Mg -----> *SO4	1	CaCl2	55.5 937.7	52032
<-----/		Mg(HCO3)2	73.2	
1456 *Na -----> *Cl	2049	MgSO4	60.2	
		MgCl2	47.6	
Saturation Values Dist. Water 20 C		NaHCO3	84.0	
CaCO3 13 mg/L		Na2SO4	71.0	
CaSO4 * 2H2O 2090 mg/L		NaCl	58.4 1111.2	64939
BaSO4 2.4 mg/L				

REMARKS:

----- ANDY MILLER

Petrolite Oilfield Chemicals Group

Respectfully submitted,
SHAWNA MATTHEWS

SEP 25 1995
FBI - ALBUQUERQUE
NEW MEXICO

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO₃ Scaling Tendency

S =	773	at	60 deg.	F or	16 deg C
S =	858	at	80 deg.	F or	27 deg C
S =	914	at	100 deg.	F or	38 deg C
S =	941	at	120 deg.	F or	49 deg C
S =	961	at	140 deg.	F or	60 deg C

Respectfully submitted,
SHAWNA MATTHEWS