

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS COMMISSION
Artesia, NM 88210
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

5. Lease Designation and Serial No.

NM-83068

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 Wolfcamp

11. County or Parish, State

Eddy, N.M.

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

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment Notice

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut-Off

☐ Altering Casing

☐ Conversion to Injection

☐ Other

☒ 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 G. Arns

Title Lead O&G

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

TRETOLITE DIVISION

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

WATER ANALYSIS REPORT

Reply to:
P.O. Box 1140
Artesia, NM
88211-7531Company : YATES PETROLEUM
Address : ARTESIA, NM
Lease : ZINNIA FEDERAL
Well : #1
Sample Pt. : WELLHEADDate : 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			
CaCO3		84.0			
CaSO4 * 2H2O		71.0			
BaSO4		58.4			
13 mg/L		1111.2			
2090 mg/L		64939			
2.4 mg/L					

REMARKS:

----- ANDY MILLER

Petrolite Oilfield Chemicals Group

Respectfully submitted,
SHAWNA MATTHEWS

PETROLITE



SCALE TENDENCY REPORT

Company	: YATES PETROLEUM	Date	: 06/29/95
Address	: ARTESIA, NM	Date Sampled	: 06/27/95
Lease	: ZINNIA FEDERAL	Analysis No.	: 0112
Well	: #1	Analyst	: SHAWNA MATTHEWS
Sample Pt.	: WELLHEAD		

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

S.I. =	-0.3	at	60 deg. F	or	16 deg. C
S.I. =	-0.3	at	80 deg. F	or	27 deg. C
S.I. =	-0.2	at	100 deg. F	or	38 deg. C
S.I. =	-0.1	at	120 deg. F	or	49 deg. C
S.I. =	-0.0	at	140 deg. F	or	60 deg. C

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

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

Petrolite Oilfield Chemicals Group

Respectfully submitted,
SHAWNA MATTHEWS