

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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*

5. Lease Designation and Serial No.

NM 9194

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Sacahuiste KE Federal #1

9. API Well No.

30-015-22857

10. Field and Pool, or Exploratory Area

Undesignated Yeso

11. County or Parish, State

Eddy, NM

1. Type of Well

☒ Oil ☐ Gas ☐  
☒ Well ☐ 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)

660' FSL & 1980' FEL Section 34-T22S-R23E (Unit O, SWSE)

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 at present produces 850 Bbls. of water per day from the Undesignated Yeso. The water is stored in a 500 Bbl. fiberglass tank and trucked to HOC #2 Battery and then piped to Dagger Draw SWD System.

A water analysis is attached.

APR 26 1996

OIL CON. DIV.  
DIST. 2

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

Signed Pamela S. Evans

Title Production Clerk

Date 04/02/96

(This space for Federal or State office use)

Approved by James G. Evans

Title LPET

Date 4/17/96

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) 746-3580Reply to:  
P.O. Box 1140  
Artesia, NM  
88211-7531WATER ANALYSIS REPORT  
-----Company : YATES PETROLEUM  
Address : ARTESIA, NM  
Lease : SACAHUISTE "KE " FED  
Well : #1  
Sample Pt. : WELLHEADDate : 03/29/96  
Date Sampled : 03/29/96  
Analysis No. : 222

ANALYSIS		mg/L		* meq/L
-----		----		-----
1. pH	7.1			
2. H2S	380 PPM			
3. Specific Gravity	1.000			
4. Total Dissolved Solids		3597.6		
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	1134.0	HCO3	18.6
12. Chloride	Cl	42.0	Cl	1.2
13. Sulfate	SO4	1500.0	SO4	31.2
14. Calcium	Ca	600.0	Ca	29.9
15. Magnesium	Mg	182.6	Mg	15.0
16. Sodium (calculated)	Na	139.1	Na	6.0
17. Iron	Fe	0.0		
18. Barium	Ba	0.0		
19. Strontium	Sr	0.0		
20. Total Hardness (CaCO3)		2250.0		

PROBABLE MINERAL COMPOSITION  
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*milli equivalents per Liter		Compound	Equiv wt	X meq/L	= mg/L
-----	-----	-----	-----	-----	-----
30 *Ca <----- *HCO3	19	Ca(HCO3)2	81.0	18.6	1506
/----->		CaSO4	68.1	11.4	773
15 *Mg -----> *SO4	31	CaCl2	55.5		
<-----/		Mg(HCO3)2	73.2		
6 *Na -----> *Cl	1	MgSO4	60.2	15.0	904
		MgCl2	47.6		
Saturation Values Dist. Water 20 C		NaHCO3	84.0		
CaCO3 13 mg/L		Na2SO4	71.0	4.9	345
CaSO4 * 2H2O 2090 mg/L		NaCl	58.4	1.2	69
BaSO4 2.4 mg/L					

## REMARKS:

----- ANDY MILLER

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
SHAWNA MATTHEWS

SCALE TENDENCY REPORT  
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Company	: YATES PETROLEUM	Date	: 03/29/96
Address	: ARTESIA, NM	Date Sampled	: 03/29/96
Lease	: SACAHUISTE "KE " FED	Analysis No.	: 222
Well	: #1	Analyst	: SHAWNA MATTHEWS
Sample Pt.	: WELLHEAD		

STABILITY INDEX CALCULATIONS  
(Stiff-Davis Method)  
CaCO<sub>3</sub> Scaling Tendency

S.I. =	1.1	at	60 deg. F	or	16 deg. C
S.I. =	1.1	at	80 deg. F	or	27 deg. C
S.I. =	1.2	at	100 deg. F	or	38 deg. C
S.I. =	1.2	at	120 deg. F	or	49 deg. C
S.I. =	1.2	at	140 deg. F	or	60 deg. C

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

S =	1885	at	60 deg. F	or	16 deg C
S =	1947	at	80 deg. F	or	27 deg C
S =	1964	at	100 deg. F	or	38 deg C
S =	1955	at	120 deg. F	or	49 deg C
S =	1940	at	140 deg. F	or	60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
SHWANA MATTHEWS