

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**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit P, 660' FSL & 860' FEL, Sec. 26-T20S-R24E

5. Lease Designation and Serial No.

NM 045275

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Conoco AGK Federal #9

9. API Well No.

30-015-26952

10. Field and Pool, or Exploratory Area

South Dagger Draw U/Penn

11. County or Parish, State

Eddy, NM

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 NTL-2B

- ☐ 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 ±650 BWPd from the Canyon formation. The water is stored in a 500 barrel fiberglass tank and transported through a 6" and/or 8" PVC water line to Yates' State "CO" SWD Gathering System which consists of 9 disposal wells (see attachment 1).

A water analysis is attached.



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

Signed [Signature]

Title Production Supervisor

Date 11-17-92

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date 11-24-92

- SEE ATTACHED -

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



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 shall be covered with a wire screen to prevent entry by birds and other wildlife.
7. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
8. 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.

**ATTACHMENT #1**

**YATES PETROLEUM CORPORATION - STATE "CO" SWD DISPOSAL SYSTEM**

The Yates State "CO" SWD water gathering system consists of nine (9) salt water injection wells approved for disposal of produced water. The nine (9) wells are listed below:

STATE "CO" #1, NE 1/4 SW 1/4, Section 36-T19S-R24E, Eddy County, NM  
INJECTION INTERVAL: 10038 -11311' Devonian  
APPROVED BY NMOCD ORDER NO. SWD-285

COTTON "MX" FEDERAL #1, NE 1/4 NW 1/4 Section 14-T19S-R25E, Eddy County, NM  
INJECTION INTERVAL: 7686-7710' Canyon  
APPROVED BY NMOCD ORDER NO. SWD-370

DONAHUE FEDERAL #1, SW 1/4 NW 1/4, Section 10-T20S-R24E, Eddy County, NM  
INJECTION INTERVAL: 4296-4596' Abo  
APPROVED BY NMOCD ORDER NO. SWD-377

STATE "D" #1, SE 1/4 SW 1/4, Section 16-T20S-R24E, Eddy County, NM  
INJECTION INTERVAL: 9723-11052' Devonian - Bliss  
APPROVED BY NMOCD ORDER NO. SWD-395

ROY AET #3, SE 1/4 SE 1/4, Section 7-T19S-R25E, Eddy County, NM  
INJECTION INTERVAL: 9766-11110' Devonian and Ellenburger  
APPROVED BY NMOCD ORDER NO. SWD-437

ROUTH NU #2, NW 1/4 NE 1/4, Section 14-T19S-R24E, Eddy County, NM  
INJECTION INTERVAL: 8810-8878' Morrow  
APPROVED BY NMOCD ORDER NO. SWD-399

MIMOSA AHS FEDERAL #1, NE 1/4 SE 1/4, Section 4-T20S-R24E, Eddy County, NM  
INJECTION INTERVAL: 9515-11011' Mississippian, Devonian, Ellenburger  
APPROVED BY NMOCD ORDER NO. SWD-408

MIMOSA AHS FEDERAL #4, SE 1/4 SW 1/4, Section 4-T20S-R24E, Eddy County, NM  
INJECTION INTERVAL: 9860-11159' Devonian, Ellenburger and Bliss Sand  
APPROVED BY NMOCD ORDER NO. SWD-476

HUMBLE SWD #1, SE 1/4 SE 1/4, Section 24-T20S-R24E, Eddy County, NM  
INJECTION INTERVAL: 9600-11580' Ellenburger and Devonian (Open Hole)  
APPROVED BY NMOCD ORDER NO. SWD-434

# TRETOLITE

Chemicals and Services

TRETOLITE

16010 Barker's Point Lane • Houston, Texas 77079  
713 558-5200 • Telex: 4620346 • FAX: 713 589-4737

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

## WATER ANALYSIS REPORT

Company : YATES PETROLEUM  
Address : ARTESIA, NEW MEXICO  
Lease : CONOCO  
Well : #9  
Sample Pt. : WELLHEAD

Date : 11/16/92  
Date Sampled : 11/13/92  
Analysis No. : 232

ANALYSIS		mg/L	* meq/L	
-----		----	-----	
1.	pH	7.3		
2.	H2S	280 PPM		
3.	Specific Gravity	1.005		
4.	Total Dissolved Solids	7776.0		
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 1098.0	HCO3	18.0
12.	Chloride	Cl 2023.0	Cl	57.1
13.	Sulfate	SO4 2125.0	SO4	44.3
14.	Calcium	Ca 592.0	Ca	29.5
15.	Magnesium	Mg 141.3	Mg	11.6
16.	Sodium (calculated)	Na 1796.7	Na	78.2
17.	Iron	Fe NR		
18.	Barium	Ba NR		
19.	Strontium	Sr NR		
20.	Total Hardness (CaCO3)	2060.0		

## PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter				Compound	Equiv wt	X meq/L	=	mg/L
+-----+				+-----+				
30	*Ca	<-----	*HCO3	18	Ca (HCO3) 2	81.0	18.0	1459
-----	/	----->		-----	CaSO4	68.1	11.5	786
12	*Mg	----->	*SO4	44	CaCl2	55.5		
-----		<-----/		-----	Mg (HCO3) 2	73.2		
78	*Na	----->	*Cl	57	MgSO4	60.2	11.6	699
+-----+				+-----+				
Saturation Values Dist. Water 20 C								
CaCO3			13 mg/L	NaHCO3	84.0			
CaSO4 * 2H2O			2090 mg/L	Na2SO4	71.0	21.1		1498
BaSO4			2.4 mg/L	NaCl	58.4	57.1		3335

### REMARKS:

----- L. MALLET / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
STEVE TIGERT

# SCALE TENDENCY REPORT -----

Company	: YATES PETROLEUM	Date	: 11/16/92
Address	: ARTESIA, NEW MEXICO	Date Sampled	: 11/13/92
Lease	: CONOCO	Analysis No.	: 232
Well	: #9	Analyst	: STEVE TIGERT
Sample Pt.	: WELLHEAD		

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

S.I. =	1.2	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. =	1.3	at	140 deg.	F or	60 deg.	C
S.I. =	1.3	at	160 deg.	F or	71 deg.	C

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

S =	2140	at	80 deg.	F or	27 deg	C
S =	2174	at	100 deg.	F or	38 deg	C
S =	2171	at	120 deg.	F or	49 deg	C
S =	2158	at	140 deg.	F or	60 deg	C
S =	2120	at	160 deg.	F or	71 deg	C

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
STEVE TIGERT