

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 12 1992

O. C. D.

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 E, 1980' FNL & 660' FWL, Sec. 29-T19S-R25E

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

NMNM - 84612

8. Well Name and No.

Voight AJD Com #2

9. API Well No.

30-015-27088

10. Field and Pool, or Exploratory Area

North 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
☐ 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 1500 BWPB 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 11-4-92

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date 11/10/92

- SEE ATTACHED -

(rev. 10/29/92)

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.

TRETOLITE

Chemicals and Services

PETROLITE

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 : VOIGHT
Well : #2
Sample Pt. : WELLHEAD

Date : 11/04/92
Date Sampled : 11/02/92
Analysis No. : 214

ANALYSIS		mg/L	* meq/L
-----		----	-----
1.	pH	7.2	
2.	H2S	180 PPM	
3.	Specific Gravity	1.010	
4.	Total Dissolved Solids	14417.4	
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 927.0	HCO3 15.2
12.	Chloride	Cl 6006.0	Cl 169.4
13.	Sulfate	SO4 2500.0	SO4 52.1
14.	Calcium	Ca 1040.0	Ca 51.9
15.	Magnesium	Mg 340.7	Mg 28.0
16.	Sodium (calculated)	Na 3603.7	Na 156.7
17.	Iron	Fe NR	
18.	Barium	Ba 0.0	
19.	Strontium	Sr NR	
20.	Total Hardness (CaCO3)	4000.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
+-----+			
52 *Ca <----- *HCO3	Ca (HCO3) 2	81.0 15.2	1231
----- /----->	CaSO4	68.1 36.7	2498
28 *Mg -----> *SO4	CaCl2	55.5	
----- <----- /	Mg (HCO3) 2	73.2	
157 *Na -----> *Cl	MgSO4	60.2 15.4	924
+-----+	MgCl2	47.6 12.7	603
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0	
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4 156.7	9160
BaSO4 2.4 mg/L			

REMARKS:

----- L. MALLET / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT

SCALE TENDENCY REPORT -----

Company	: YATES PETROLEUM	Date	: 11/04/92
Address	: ARTESIA, NEW MEXICO	Date Sampled	: 11/02/92
Lease	: VOIGHT	Analysis No.	: 214
Well	: #2	Analyst	: STEVE TIGERT
Sample Pt.	: WELLHEAD		

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

S.I. =	1.1	at	80 deg. F	or	27 deg. C
S.I. =	1.1	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
S.I. =	1.3	at	160 deg. F	or	71 deg. C

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

S =	3462	at	80 deg. F	or	27 deg C
S =	3523	at	100 deg. F	or	38 deg C
S =	3531	at	120 deg. F	or	49 deg C
S =	3526	at	140 deg. F	or	60 deg C
S =	3476	at	160 deg. F	or	71 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT

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