

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

M OIL CONS COMMISSION
Artesia, NM 88210
FORM APPROVED
Bureau of Land Management 1004-0135
Expires: March 31, 1993

CISF

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

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 9-T19S-R25E 660' FSL & 660' FWL Unit M SWSW

5. Lease Designation and Serial No.

NM-1372

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Warren ANW Federal #2

9. API Well No.

3001528147

10. Field and Pool, or Exploratory Area

N. Dagger Draw Upper Penn

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 Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and 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.)*

RECEIVED
OIL CON. DIV.
DIST. 2

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 75 bbls of water per day from the N. Dagger Draw Upper Penn formation. The water is stored in a 210 barrel stock tank and pipelined to the Dagger Draw Water System.

A water analysis is attached.

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

Signed Shannon Compland

Title Production Clerk

Date 4-16-95

(This space for Federal or State office use)

Approved by Chris Flinn by Ador. Saleemah

Title Petroleum Engineer

Date 7/14/95

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

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

WATER ANALYSIS REPORT

Company	: YATES PETROLEUM	Date	: 01/10/95
Address	: ARTESIA, NEW MEXICO	Date Sampled	: 01/10/95
Lease	: WARREN	Analysis No.	: 0005
Well	: #2		
Sample Pt.	: WELLHEAD		

ANALYSIS		mg/L	* meq/L
-----		----	-----
1.	pH	6.9	
2.	H2S	140 PPM	
3.	Specific Gravity	1.010	
4.	Total Dissolved Solids	15920.5	
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	915.0	HCO3 15.0
12.	Chloride Cl	6390.0	Cl 180.3
13.	Sulfate SO4	3125.0	SO4 65.1
14.	Calcium Ca	2320.0	Ca 115.8
15.	Magnesium Mg	171.6	Mg 14.1
16.	Sodium (calculated) Na	2998.9	Na 130.4
17.	Iron Fe	NR	
18.	Barium Ba	NR	
19.	Strontium Sr	NR	
20.	Total Hardness (CaCO3)	6500.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
+-----+	-----	-----	-----
116 *Ca <----- *HCO3 15	Ca(HCO3)2	81.0 15.0	1216
----- /-----> -----	CaSO4	68.1 65.1	4429
14 *Mg -----> *SO4 65	CaCl2	55.5 35.7	1981
----- <-----/ -----	Mg(HCO3)2	73.2	
130 *Na -----> *Cl 180	MgSO4	60.2	
+-----+	MgCl2	47.6 14.1	672
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0	
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4 130.4	7623
BaSO4 2.4 mg/L			

REMARKS:

----- A. MILLER

Petrolite Oilfield Chemicals Group

 Respectfully submitted,
 STEVE TIGERT

SCALE TENDENCY REPORT

Company	: YATES PETROLEUM	Date	: 01/10/95
Address	: ARTESIA, NEW MEXICO	Date Sampled	: 01/10/95
Lease	: WARREN	Analysis No.	: 0005
Well	: #2	Analyst	: STEVE TIGERT
Sample Pt.	: WELLHEAD		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 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. =	1.3	at	140 deg. F or	60 deg. C

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

S =	2272	at	60 deg. F or	16 deg C
S =	2403	at	80 deg. F or	27 deg C
S =	2466	at	100 deg. F or	38 deg C
S =	2477	at	120 deg. F or	49 deg C
S =	2476	at	140 deg. F or	60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT

Creek AL #3
Meridian Flood #4 System
R-3431
29-185-31E
30-185-31E

Knall AOK Yed #1
Flower ABAST #2
SWD #325
3-26S-28E SE $\frac{1}{4}$ NE $\frac{1}{4}$

Llama #1
Flamenco SWD
SWD #428 NW $\frac{1}{4}$ SW $\frac{1}{4}$
7-22S-32E

Ocotillo #2 } see attached
Warren #2 }
State CO. Wt System

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: 7688-7710' 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