

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
Drawer DD
Artesia, NM 88210

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NM-0559175

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Aspden AOH Fed. Com #3

9. API Well No.
3001528502

10. Field and Pool, or Exploratory Area
Dagger Draw Upper Penn, North

11. County or Parish, State
Eddy, N.M.

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 29-T19S-R25E 1980' FNL & 1990' FWL Unit F SENW

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

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 585 bbls of water per day from the Dagger Draw Upper Penn, North formation. The water is stored in a 210 barrel fiberglass tank and pipelined to the Dagger Draw State "CO" SWD Water Sysytem. (see attached)

A water analysis is attached.

SEP 11 1995

OIL CON. DIV.
DIST. 2

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

Signed Shannon Coupland Title Production Clerk

Date 8/15/95

Approved by Shannon J. Shaw Title PETROLEUM ENGINEER

Date 9/7/95

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

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 DIVISON

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

WATER ANALYSIS REPORT

Reply to:
P.O. Box 1140
Artesia, NM
88211-7531

Company : Yates Date : 06/27/95
Address : Artesia, NM Date Sampled : 06/26/95
Lease : Aspden "AOH" Analysis No. : 0105
Well : #3
Sample Pt. : Wellhead

ANALYSIS		mg/L	* meq/L
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1. pH	6.6		
2. H2S	nr		
3. Specific Gravity	1.010		
4. Total Dissolved Solids		16605.9	
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	1073.0	HCO3 17.6
12. Chloride	Cl	7455.0	Cl 210.3
13. Sulfate	SO4	2125.0	SO4 44.3
14. Calcium	Ca	1100.0	Ca 54.9
15. Magnesium	Mg	158.8	Mg 13.1
16. Sodium (calculated)	Na	4694.0	Na 204.2
17. Iron	Fe	NR	
18. Barium	Ba	NR	
19. Strontium	Sr	NR	
20. Total Hardness (CaCO3)		3401.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
+-----+			
55 *Ca <----- *HCO3	Ca(HCO3)2	81.0 17.6	1425
/----->	CaSO4	68.1 37.3	2539
13 *Mg -----> *SO4	CaCl2	55.5	
<-----/	Mg(HCO3)2	73.2	
204 *Na -----> *Cl	MgSO4	60.2 6.9	418
+-----+	MgCl2	47.6 6.1	291
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0	
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4 204.2	11932
BaSO4 2.4 mg/L			

REMARKS:

----- Andy Miller

SCALE TENDENCY REPORT

Company	: Yates	Date	: 06/27/95
Address	: Artesia, NM	Date Sampled	: 06/26/95
Lease	: Aspden "AOH"	Analysis No.	: 0105
Well	: #3	Analyst	: Shawna Matthews
Sample Pt.	: Wellhead		

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

S.I. =	0.5	at	60 deg. F	or	16 deg. C
S.I. =	0.6	at	80 deg. F	or	27 deg. C
S.I. =	0.6	at	100 deg. F	or	38 deg. C
S.I. =	0.7	at	120 deg. F	or	49 deg. C
S.I. =	0.7	at	140 deg. F	or	60 deg. C

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

S =	3120	at	60 deg. F	or	16 deg C
S =	3258	at	80 deg. F	or	27 deg C
S =	3323	at	100 deg. F	or	38 deg C
S =	3333	at	120 deg. F	or	49 deg C
S =	3329	at	140 deg. F	or	60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
Shawna Matthews