

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

811 S. 4th Street

Artesia, NM 88210

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

2834

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-T23S-R24E 1980' FNL & 810' FWL Unit E

5. Lease Designation and Serial No.

NM-43522

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Azotea AJZ #1

9. API Well No.

30001526887

10. Field and Pool, or Exploratory Area

Eddy Morrow Atoka

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

☐ 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 Well

(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 produces approximately 0 bbls of water per day from the Eddy Morrow Atoka formation. The water is stored in a 210 barrel fiberglass tank and trucked to B & B Trucking to the Mitchell IN #2 SWD permit #R-5602 Sec. 23-17S-25E.

A water analysis is attached.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Signed

Shannon Coupland

Title

Production Clerk

Date

9/22/95

(This space for Federal or State office use)

Approved by

ORIG. SUB. AL. EXIS. C. EXHIBIT 24

Title

PETROLEUM ENGINEER

Date

JUL 21 1997

Conditions of approval, if any:

PETROLITE

TRETOLITE DIVISION

RECEIVED
1997 JUL 16
BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA
Petro-lic Corporation
422 West Main Street
Artesia, NM 88210-2041
(505) 746-3588
Fax: (505) 746-3580
Reply to:
P.O. Box 1140
Artesia, NM
88211-7531

WATER ANALYSIS REPORT

Company : YATES PETROLEUM Date : 10/04/95
Address : ARTESIA, NM Date Sampled : 10/04/95
Lease : AZOTEA "AJZ" Analysis No. : 0172
Well : #1
Sample Pt. : WELLHEAD

ANALYSIS	mg/L	* meq/L
1. pH	6.0	
2. H2S	3 PPM	
3. Specific Gravity	1.105	
4. Total Dissolved Solids	38021.3	
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 109.0	HCO3 1.8
12. Chloride	Cl 23283.0	Cl 656.8
13. Sulfate	SO4 800.0	SO4 16.7
14. Calcium	Ca 5740.0	Ca 286.4
15. Magnesium	Mg 989.2	Mg 81.4
16. Sodium (calculated)	Na 7067.6	Na 307.4
17. Iron	Fe 32.5	
18. Barium	Ba NR	
19. Strontium	Sr NR	
20. Total Hardness (CaCO3)	18407.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
286 *Ca <----- *HCO3	Ca (HCO3)2	81.0 1.8	145
/----->	CaSO4	68.1 16.7	1134
81 *Mg -----> *SO4	CaCl2	55.5 268.0	14870
<-----/	Mg (HCO3)2	73.2	
307 *Na -----> *Cl	MgSO4	60.2	
	MgCl2	47.6 81.4	3874
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0	
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4 307.4	17966
BaSO4 2.4 mg/L			

REMARKS: KCl: 0.0%
----- ANDY MILLER

Petrolite Oilfield Chemicals Group

Respectfully submitted,
SHAWNA MATTHEWS

PETROLITE

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BUREAU OF LAND MGMT.
CARLSBAD RESOURCE AREA

SCALE TENDENCY REPORT

Company	: YATES PETROLEUM	Date	: 10/04/95
Address	: ARTESIA, NM	Date Sampled	: 10/04/95
Lease	: AZOTEA "AJZ"	Analysis No.	: 0172
Well	: #1	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. =	-0.5	at	80 deg. F	or	27 deg. C
S.I. =	-0.4	at	100 deg. F	or	38 deg. C
S.I. =	-0.3	at	120 deg. F	or	49 deg. C
S.I. =	-0.2	at	140 deg. F	or	60 deg. C

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

S =	1430	at	60 deg. F	or	16 deg C
S =	1552	at	80 deg. F	or	27 deg C
S =	1620	at	100 deg. F	or	38 deg C
S =	1640	at	120 deg. F	or	49 deg C
S =	1647	at	140 deg. F	or	60 deg C

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Respectfully submitted,
SHAWNA MATTHEWS