

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

C15F

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 ☒ Gas
☐ Well ☒ Well ☐ Other

RECEIVED

2. Name of Operator
YATES PETROLEUM CORPORATION

MAY 21 1995

3. Address and Telephone No.
105 S. 4th Street, Artesia, NM 88210

(505) 748-1471 OIL CON. DIV.

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

DIST. 2

1980' FNL & 1980' FEL Sec. 31-T19S-R30E (Unit G, SWNE)

5. Lease Designation and Serial No.

NM 62211

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Hanagan APL Fed. Com. #1

9. API Well No.

30-015-28635

10. Field and Pool, or Exploratory Area

HG Morrow / HG Atoka

11. County or Parish, State

Eddy, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment Notice

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut-Off

☐ Altering Casing

☐ Conversion to Injection

☐ Other

☒ 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 Order #7 and requests your approval. The well produces approximately 1 bbls of water per day from the HG Morrow / HG Atoka. The water is stored in a 210 Bbl. fiberglass tank and trucked by Sonny's to the Burton Flats SWD.

Permit No. - SWD-497

A water analysis is attached.

Location - F, Sec 21, T20S, R29E

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

Signed Pamela S. Evans

Title Production Clerk

Date 03/22/96

(This space for Federal or State office use)

Approved by James A. Ames

Title PET

Date 5/17/96

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 1140
 Artesia, NM
 88211-7531

WATER ANALYSIS REPORT

Company	: YATES PETROLUEM	Date	: 03/18/96
Address	: ARTESIA, NM	Date Sampled	: 03/18/96
Lease	: HANNIGAN "APL" FED.	Analysis No.	: 0921
Well	: #1		
Sample Pt.	: TANK		

ANALYSIS		mg/L		* meq/L
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1. pH	6.6			
2. H2S	3 PPM			
3. Specific Gravity	1.080			
4. Total Dissolved Solids		38471.5		
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	1037.0	HCO3	17.0
12. Chloride	Cl	22365.0	Cl	630.9
13. Sulfate	SO4	450.0	SO4	9.4
14. Calcium	Ca	1780.0	Ca	88.8
15. Magnesium	Mg	256.7	Mg	21.1
16. Sodium (calculated)	Na	12582.8	Na	547.3
17. Iron	Fe	NR		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO3)		5502.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt	X meq/L	= mg/L

89 *Ca <-----	*HCO3	17	Ca(HCO3)2	81.0	17.0 1378
/----->			CaSO4	68.1	9.4 638
21 *Mg ----->	*SO4	9	CaCl2	55.5	62.5 3466
<-----/			Mg(HCO3)2	73.2	
547 *Na ----->	*Cl	631	MgSO4	60.2	
			MgCl2	47.6	21.1 1005
Saturation Values Dist. Water 20 C			NaHCO3	84.0	
CaCO3	13 mg/L		Na2SO4	71.0	
CaSO4 * 2H2O	2090 mg/L		NaCl	58.4	547.3 31985
BaSO4	2.4 mg/L				

REMARKS:

----- ANDY MILLER

Petrolite Oilfield Chemicals Group

 Respectfully submitted,
 SHAWNA MATTHEWS

SCALE TENDENCY REPORT

Company	: YATES PETROLUEM	Date	: 03/18/96
Address	: ARTESIA, NM	Date Sampled	: 03/18/96
Lease	: HANNIGAN "APL" FED.	Analysis No.	: 0921
Well	: #1	Analyst	: SHAWNA MATTHEWS
Sample Pt.	: TANK		

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

S.I. =	0.6	at	60 deg. F	or	16 deg. C
S.I. =	0.6	at	80 deg. F	or	27 deg. C
S.I. =	0.7	at	100 deg. F	or	38 deg. C
S.I. =	0.8	at	120 deg. F	or	49 deg. C
S.I. =	0.8	at	140 deg. F	or	60 deg. C

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

S =	2909	at	60 deg. F	or	16 deg C
S =	3098	at	80 deg. F	or	27 deg C
S =	3199	at	100 deg. F	or	38 deg C
S =	3226	at	120 deg. F	or	49 deg C
S =	3236	at	140 deg. F	or	60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
SHAWNA MATTHEWS