

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION APPROVED
Drawer DD
Artesia, NM 88210
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

RECEIVED

JUL 28 '94

O. C. ...
ARTESIA, NM

5. Lease Designation and Serial No.

NM-14118

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

8. Well Name and No.

Allison CQ Federal #9

9. API Well No.

300152413300

10. Field and Pool, or Exploratory Area

Undesignated Eddy Canyon

11. County or Parish, State

Eddy, N.M.

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 15-T19S-R24E

990' FMI + 1300' FWL

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 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 directional all 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 1 bbls of water per day from the Undesignated Eddy Canyon formation. The water is stored in a 210 barrel stock tank and trucked by I & W and Jim's Water Service to the Mitchell IN SWD #2 Permit #R-5602.

A water analysis is attached.

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

Signed Shannon Compland

Title Production Clerk

Date 6-28-94

(This space for Federal or State office use)

Approved by Shannon J. Shaw

Title PETROLEUM ENGINEER

Date 7/26/94

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) 746-3580Reply to:
P.O. Box FF
Artesia, NM
88211-7531WATER ANALYSIS REPORT
-----Company : YATES PETROLEUM
Address : ARTESIA, NM
Lease : ALLISON "CO"
Well : #9
Sample Pt. : TANKDate : 5/19/94
Date Sampled : 5/18/94
Analysis No. : 698

ANALYSIS	mg/L	* meq/L
-----	----	-----
1. pH	5.9	
2. H ₂ S	+	
3. Specific Gravity	1.050	
4. Total Dissolved Solids	69400.7	
5. Suspended Solids	NR	
6. Dissolved Oxygen	NR	
7. Dissolved CO ₂	NR	
8. Oil In Water	NR	
9. Phenolphthalein Alkalinity (CaCO ₃)		
10. Methyl Orange Alkalinity (CaCO ₃)		
11. Bicarbonate	HCO ₃ 146.0	HCO ₃ 2.4
12. Chloride	Cl 43026.0	Cl 1213.7
13. Sulfate	SO ₄ 125.0	SO ₄ 2.6
14. Calcium	Ca 6800.0	Ca 339.3
15. Magnesium	Mg 1024.6	Mg 84.3
16. Sodium (calculated)	Na 18279.0	Na 795.1
17. Iron	Fe NR	
18. Barium	Ba NR	
19. Strontium	Sr NR	
20. Total Hardness (CaCO ₃)	21200.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt	X meq/L	= mg/L
-----	-----	-----	-----	-----
339 *Ca <----- *HCO ₃	Ca (HCO ₃) ₂	81.0	2.4	194
----- /----->	CaSO ₄	68.1	2.6	177
84 *Mg -----> *SO ₄	CaCl ₂	55.5	334.3	18552
----- <----- /	Mg (HCO ₃) ₂	73.2		
795 *Na -----> *Cl	MgSO ₄	60.2		
-----	MgCl ₂	47.6	84.3	4013
-----	NaHCO ₃	84.0		
Saturation Values Dist. Water 20 C	Na ₂ SO ₄	71.0		
CaCO ₃ 13 mg/L	NaCl	58.4	795.1	46465
CaSO ₄ * 2H ₂ O 2090 mg/L				
BaSO ₄ 2.4 mg/L				

REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted,
A. MILLER

SCALE TENDENCY REPORT

Company	: YATES PETROLEUM	Date	: 5/19/94
Address	: ARTESIA, NM	Date Sampled	: 5/18/94
Lease	: ALLISON "CO"	Analysis No.	: 698
Well	: #9	Analyst	: A. MILLER
Sample Pt.	: TANK		

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

S.I. =	-0.5	at	60 deg.	F or	16 deg.	C
S.I. =	-0.4	at	80 deg.	F or	27 deg.	C
S.I. =	-0.3	at	100 deg.	F or	38 deg.	C
S.I. =	-0.2	at	120 deg.	F or	49 deg.	C
S.I. =	-0.1	at	140 deg.	F or	60 deg.	C

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

S =	1624	at	60 deg.	F or	16 deg	C
S =	1780	at	80 deg.	F or	27 deg	C
S =	1874	at	100 deg.	F or	38 deg	C
S =	1911	at	120 deg.	F or	49 deg	C
S =	1933	at	140 deg.	F or	60 deg	C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
A. MILLER

PETROLITE

