

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Drilling Company

3. Address and Telephone No.

105 South 4th Street, Artesia, NM 88210

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

1650' FSL & 660' FWL Section 30-19S-32E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

LC-068882

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal 30 #1

9. API Well No.

30-025-31039

10. Field and Pool, or Exploratory Area

Lusk Delaware West

11. County or Parish, State

Lea County, NM

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 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.)*

See attached.

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APR 20 8 53 AM '94
OIL
ARTESIA

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

Signed Karen J. Leishman

Title Production Clerk

Date 4-20-94

(This space for Federal or State office use)

Approved by Orig. Signed by Shannon J. Shaw

Title Petroleum Engineer

Date 5/31/94

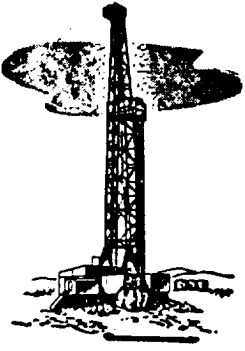
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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JUN 17 1994

**COAST GUARD
OFFICE**



YATES DRILLING COMPANY

105 SOUTH FOURTH STREET — (505) 748-1471

FAX (505) 746-6480

TELEX 508891 (YPCART)

ARTESIA, NEW MEXICO 88210

PEYTON YATES
PRESIDENT

S. P. YATES
VICE PRESIDENT

RANDY G. PATTERSON
SECRETARY

DENNIS G. KINSEY
TREASURER

April 7, 1994

Bureau of Land Management
P.O. Box 1157
Hobbs, New Mexico 88240-1157

Re: NTL-2B
Federal 30 #1
Section 30-19S-32E
Lea County, NM
NMLC-068882

Gentlemen:

Yates Drilling Company respectfully requests permission to dispose of our produced water from the captioned well. This well produces approximately 40 barrels of water per day from the Delaware formation. The water is stored in a 300 barrel tank and will be sent through the Pronghorn Salt Water Disposal Pipeline System.

The water will be disposed of at the Mewbourne Oil Company Waterflood Project under authority of NMOCD Order NO. R-9737 and Order NO.R- 9737-A.

Rowland Trucking Company will be the secondary hauler for this well. Enclosed you will find a copy of their salt water disposal wells and the SWD order numbers.

Also enclosed is a copy of a water analysis for the produced water.

Your early attention to this matter will be appreciated.

Sincerely,

YATES DRILLING COMPANY

Karen J. Leishman
Karen J. Leishman
Production Clerk

enclosures

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TO HUBBARD
OFFICE

TRETOLITE DIVISION

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

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

 WATER ANALYSIS REPORT

 Company : YATES DRILLING
 Address : ARTESIA, NM
 Lease : FEDERAL 30
 Well : 1
 Sample Pt. : WELLHEAD

 Date : 2/15/94
 Date Sampled : 2/15/94
 Analysis No. : 581

ANALYSIS		mg/L		* meq/L
-----		----		-----
1. pH	6.2			
2. H ₂ S	-			
3. Specific Gravity	1.160			
4. Total Dissolved Solids		250994.8		
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	85.0	HCO ₃	1.4
12. Chloride	Cl	156768.0	Cl	4422.2
13. Sulfate	SO ₄	250.0	SO ₄	5.2
14. Calcium	Ca	26240.0	Ca	1309.4
15. Magnesium	Mg	4559.4	Mg	375.1
16. Sodium (calculated)	Na	63092.5	Na	2744.3
17. Iron	Fe	NR		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO ₃)		84300.0		

 PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt	X meq/L	= mg/L
-----		-----	-----	-----	-----
1309	*Ca <----- *HCO ₃	Ca(HCO ₃) ₂	81.0	1.4	113
	/----->	CaSO ₄	68.1	5.2	354
375	*Mg -----> *SO ₄	CaCl ₂	55.5	1302.8	72291
	<-----/	Mg(HCO ₃) ₂	73.2		
2744	*Na -----> *Cl	MgSO ₄	60.2		
		MgCl ₂	47.6	375.1	17857
Saturation Values Dist. Water 20 C		NaHCO ₃	84.0		
CaCO ₃	13 mg/L	Na ₂ SO ₄	71.0		
CaSO ₄ * 2H ₂ O	2090 mg/L	NaCl	58.4	2744.3	160379
BaSO ₄	2.4 mg/L				

 REMARKS:

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HUBBS
OFFICE

SCALE TENDENCY REPORT

Company	: YATES DRILLING	Date	: 2/15/94
Address	: ARTESIA, NM	Date Sampled	: 2/15/94
Lease	: FEDERAL 30	Analysis No.	: 581
Well	: 1	Analyst	: S. TIGERT
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. =	0.5	at	100 deg. F	or	38 deg. C
S.I. =	0.5	at	120 deg. F	or	49 deg. C
S.I. =	0.6	at	140 deg. F	or	60 deg. C

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

S =	512	at	60 deg. F	or	16 deg C
S =	570	at	80 deg. F	or	27 deg C
S =	606	at	100 deg. F	or	38 deg C
S =	621	at	120 deg. F	or	49 deg C
S =	632	at	140 deg. F	or	60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
S. TIGERT

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JUN 01 1994

NEW YORK
OFFICE

ROWLAND TRUCKING COMPANY

P.O. Box 127

CARLSBAD, NEW MEXICO 88220

PHONE

(505) 885-2053

DIRECT HOBBS LINE

(505) 393-5807

December 18, 1992

SALT WATER DISPOSAL WELLS

NAME	OPERATOR	PERMIT NO	LEGALS
<i>Springs SWD</i>	<i>Rowland</i>	<i>SWD-86</i>	<i>Un I 1650 FSL, 754 Sec 27 T20S R26E</i>
<i>Salty Bill</i>	<i>Corrine Grace</i>	<i>SWD-R-118</i>	<i>660 FNL, 2725.5 FE. N/W Sec36 T22S R26E</i>
<i>Myrtle Myra SWD</i>	<i>Ray Westall</i>	<i>SWD-391</i>	<i>660 FNL, 1980 FWL N/W Sec21 T21S R27E</i>
<i>Tennessee SWD</i>	<i>Ray Westall</i>	<i>SWD-R-8173</i>	<i>198 FSL, 660 FEL Sec21 T19S R31E</i>
<i>Dorstate SWD</i>	<i>Shawn Raymond</i>	<i>SWD-247</i>	<i>S/E$\frac{1}{4}$-N/E$\frac{1}{4}$ Sec27 T25S R28E</i>
<i>Whistle Stop SWD</i>	<i>Phil Withrow</i>	<i>SWD-461</i>	<i>Un L 2291 FSL, 483 Sec 8 T21S R28E</i>

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MAY 19 1998

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POLICE