

Form 3160-3  
(June 1992)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM Oil Cons. Comm. 310n  
Drawer DD  
Artesia, NM 88210

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

5. Lease Designation and Serial No.  
NM-19421

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Catterson SS Federal #6

9. API Well No.

#30-005-62857

10. Field and Pool, or Exploratory Area

Pecos Slope Abo

11. County or Parish, State

Chavez, New Mexico

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)

660' FSL & 1650' FEL of Section 7-T7S-R26E

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.)\*

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 0 bbls of water day from the Pecos Slope Abo formation. The water is stored in a 210 stock tank and transported by Jim's Water Service to the Yates' Federak HJ #1 SWD Gathering System.

A water analysis is attached.

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

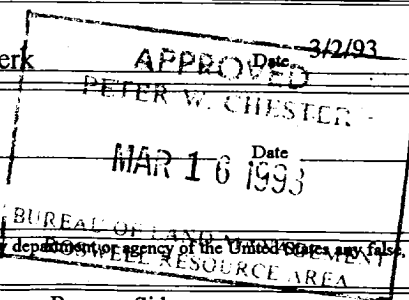
Signed Shannon Coupland Title Production Clerk

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

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

MAR 4 11 07 AM  
CARL  
AREA



16010 Barker's Point Lane • Houston, Texas 77079  
713 558-5200 • Telex: 4620346 • FAX: 713 589-4737

Reply to: P.O. Box FF  
Artesia, New Mexico 88210  
(505) 746-3588 Phone  
(505) 746-3580 Fax

### WATER ANALYSIS REPORT

Company : YATES PETROLEUM  
Address : ARTESIA, NEW MEXICO  
Lease : CATTERSON "SS"  
Well : #6  
Sample Pt. : UNKNOWN

Date : 03/01/93  
Date Sampled : 03/01/93  
Analysis No. : 058

| ANALYSIS                              |      | mg/L    |      | * meq/L |
|---------------------------------------|------|---------|------|---------|
| 1. pH                                 |      | 6.2     |      |         |
| 2. H2S                                |      | 1 PPM   |      |         |
| 3. Specific Gravity                   |      | 1.035   |      |         |
| 4. Total Dissolved Solids             |      | 55831.5 |      |         |
| 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 | 183.0   | HCO3 | 3.0     |
| 12. Chloride                          | Cl   | 30885.0 | Cl   | 871.2   |
| 13. Sulfate                           | SO4  | 3750.0  | SO4  | 78.1    |
| 14. Calcium                           | Ca   | 2880.0  | Ca   | 143.7   |
| 15. Magnesium                         | Mg   | 512.0   | Mg   | 42.1    |
| 16. Sodium (calculated)               | Na   | 17621.5 | Na   | 766.5   |
| 17. Iron                              | Fe   | NR      |      |         |
| 18. Barium                            | Ba   | NR      |      |         |
| 19. Strontium                         | Sr   | NR      |      |         |
| 20. Total Hardness (CaCO3)            |      | 9300.0  |      |         |

### PROBABLE MINERAL COMPOSITION

| *milli equivalents per Liter | Compound    | Equiv wt X meq/L | = mg/L |
|------------------------------|-------------|------------------|--------|
| 144 *Ca <----- *HCO3         | Ca (HCO3) 2 | 81.0 3.0         | 243    |
| 42 *Mg -----> *SO4           | CaSO4       | 68.1 78.1        | 5315   |
| 766 *Na -----> *Cl           | CaCl2       | 55.5 62.6        | 3475   |
|                              | Mg (HCO3) 2 | 73.2             |        |
|                              | MgSO4       | 60.2             |        |
|                              | MgCl2       | 47.6 42.1        | 2005   |
|                              | NaHCO3      | 84.0             |        |
|                              | Na2SO4      | 71.0             |        |
|                              | NaCl        | 58.4 766.5       | 44793  |

Saturation Values Dist. Water 20 C  
CaCO3 13 mg/L  
CaSO4 \* 2H2O 2090 mg/L  
BaSO4 2.4 mg/L

### REMARKS:

----- L. MALLETT / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
STEVE TIGERT

RECEIVED

PETROLITE

MAR

CARL  
AREA

SCALE TENDENCY REPORT  
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|            |                       |              |                |
|------------|-----------------------|--------------|----------------|
| Company    | : YATES PETROLEUM     | Date         | : 03/01/93     |
| Address    | : ARTESIA, NEW MEXICO | Date Sampled | : 03/01/93     |
| Lease      | : CATTERSON "SS"      | Analysis No. | : 058          |
| Well       | : #6                  | Analyst      | : STEVE TIGERT |
| Sample Pt. | : UNKNOWN             |              |                |

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

|        |      |    |            |    |           |
|--------|------|----|------------|----|-----------|
| S.I. = | -0.4 | 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 |

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

|     |      |    |            |    |          |
|-----|------|----|------------|----|----------|
| S = | 3955 | at | 60 deg. F  | or | 16 deg C |
| S = | 4210 | at | 80 deg. F  | or | 27 deg C |
| S = | 4354 | at | 100 deg. F | or | 38 deg C |
| S = | 4399 | at | 120 deg. F | or | 49 deg C |
| S = | 4420 | at | 140 deg. F | or | 60 deg C |

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Respectfully submitted,  
STEVE TIGERT