

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

Form DD  
Artesia, NM 88210  
FORM APPROVED  
Budget Bureau No. 1004-0135

CLSF

Expires: March 31, 1993

5. Lease Designation and Serial No.  
NM-76936

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Sunflower AHW Federal #5

9. API Well No.

30-015-28160

10. Field and Pool, or Exploratory Area  
Wildcat Abo

11. County or Parish, State

Eddy, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas ☐ Other

2. Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

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

Section 31-T19S-R24E

1830' FSL/2000' FEL

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 Log form.)

13. Described 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 NTL2-B, Section II, and requests your approval. The well produces approximately 52 bbls of water per day from the Wildcat Abo formation. The water is stored in a 210 barrel stock tank and pipelined to the Dagger Draw SWD Water System.

A water analysis is attached.

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

Signed

Shannon Coupland

Title

production clerk

Date

1-5-95

(This space for Federal or State office use)

Approved by

Signed by Shannon J. Shaw

PETROLEUM ENGINEER

Date

2/6/95

Conditions of approval, if any:

## TRETOLITE DIVISION

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

## WATER ANALYSIS REPORT

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

Company : YATES PETROLEUM Date : 11/30/94  
Address : ARTESIA, NEW MEXICO Date Sampled : 11/30/94  
Lease : SUNFLOWER Analysis No. : 946  
Well : #5  
Sample Pt. : WELLHEAD

| ANALYSIS                              |         | mg/L    | * meq/L   |
|---------------------------------------|---------|---------|-----------|
| -----                                 |         | ----    | -----     |
| 1. pH                                 | 6.2     |         |           |
| 2. H2S                                | 350 PPM |         |           |
| 3. Specific Gravity                   | 1.060   |         |           |
| 4. Total Dissolved Solids             |         | 94623.0 |           |
| 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    | 732.0   | HCO3 12.0 |
| 12. Chloride                          | Cl      | 56445.0 | Cl 1592.2 |
| 13. Sulfate                           | SO4     | 2250.0  | SO4 46.9  |
| 14. Calcium                           | Ca      | 7120.0  | Ca 355.3  |
| 15. Magnesium                         | Mg      | 1923.5  | Mg 158.2  |
| 16. Sodium (calculated)               | Na      | 26152.5 | Na 1137.6 |
| 17. Iron                              | Fe      | NR      |           |
| 18. Barium                            | Ba      | NR      |           |
| 19. Strontium                         | Sr      | NR      |           |
| 20. Total Hardness (CaCO3)            |         | 25700.0 |           |

## PROBABLE MINERAL COMPOSITION

| *milli equivalents per Liter       | Compound  | Equiv wt X meq/L | = mg/L       |
|------------------------------------|-----------|------------------|--------------|
| +-----+                            | -----     | -----            | -----        |
| 355   *Ca <----- *HCO3   12        | Ca(HCO3)2 | 81.0             | 12.0 972     |
| /----->                            | CaSO4     | 68.1             | 46.9 3189    |
| 158   *Mg -----> *SO4   47         | CaCl2     | 55.5             | 296.4 16449  |
| <-----/                            | Mg(HCO3)2 | 73.2             |              |
| 1138   *Na -----> *Cl   1592       | MgSO4     | 60.2             |              |
| +-----+                            | MgCl2     | 47.6             | 158.2 7533   |
| Saturation Values Dist. Water 20 C | NaHCO3    | 84.0             |              |
| CaCO3 13 mg/L                      | Na2SO4    | 71.0             |              |
| CaSO4 * 2H2O 2090 mg/L             | NaCl      | 58.4             | 1137.6 66479 |
| BaSO4 2.4 mg/L                     |           |                  |              |

REMARKS: KCl 0.7%  
----- A. MILLER

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
STEVE TIGERT

SCALE TENDENCY REPORT  
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|            |                       |              |                |
|------------|-----------------------|--------------|----------------|
| Company    | : YATES PETROLEUM     | Date         | : 11/30/94     |
| Address    | : ARTESIA, NEW MEXICO | Date Sampled | : 11/30/94     |
| Lease      | : SUNFLOWER           | Analysis No. | : 946          |
| Well       | : #5                  | Analyst      | : STEVE TIGERT |
| Sample Pt. | : WELLHEAD            |              |                |

STABILITY INDEX CALCULATIONS  
(Stiff-Davis Method)  
CaCO<sub>3</sub> 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. = | 0.9 | at | 140 deg. F | or | 60 deg. C |

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

|     |      |    |            |    |          |
|-----|------|----|------------|----|----------|
| S = | 2019 | at | 60 deg. F  | or | 16 deg C |
| S = | 2220 | at | 80 deg. F  | or | 27 deg C |
| S = | 2348 | at | 100 deg. F | or | 38 deg C |
| S = | 2409 | at | 120 deg. F | or | 49 deg C |
| S = | 2453 | at | 140 deg. F | or | 60 deg C |

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
STEVE TIGERT

## YATES PETROLEUM CORPORATION

## SALT WATER DISPOSAL WELLS IN NEW MEXICO

September 1, 1992

| FOREMAN | LEASE #    | WELL NAME                  | LOCATION   | ORDER # | DISPOSED OF | APPROXIMATE<br>BWP<br>PRESSURE | AVERAGE<br>INJECTION<br>INTERVAL |  |  |
|---------|------------|----------------------------|------------|---------|-------------|--------------------------------|----------------------------------|--|--|
| CHAVEZ  | 013400-001 | BOB GUSHWA COM #1          | 21-18S-26E | R-5322  | 0           | N/A                            | 8983-9128                        |  |  |
| HORNER  | 013749-001 | BROWN AEI #1               | 26-16S-37E | SWD-324 | 81566       | VAC-300                        | 10366-10694                      |  |  |
| HANES   | 018614-001 | CHAMPLIN UL FEDERAL #1     | 12-8S-31E  | R-7130  | 14882       | 950                            | 4009-4217                        |  |  |
| PERRY   | 019599-001 | COMPROMISE AEJ FED COM #1  | 30-18S-27E | SWD-400 | 6306        | 490                            | 8054-8153                        |  |  |
| ZHLER   | 019730-001 | COTTON MX COM #1           | 14-19S-25E | SWD-370 | 229284      | 1870                           | 7680-8000                        |  |  |
| PERRY   | 021657-001 | DAVID ROSS SWD #1          | 35-22S-31E | SWD-419 | 57946       | 329                            | 4500-5670                        |  |  |
| CHAVEZ  | 021700-001 | DAYTON TOWNSITE GAS COM #1 | 21-18S-26E | R-7600  | 39202       | 173                            | 8901-9062                        |  |  |
| CHAVEZ  | 001539-001 | DONAHUE FEDERAL #1         | 10-20S-24E | SWD-377 | 2750        | 400                            | 4296-4596                        |  |  |
| PERRY   | 024155-001 | EDDY GR STATE #1           | 16-23S-28E | SWD-414 | 7434        | 330                            | 2892-3194                        |  |  |
| HANES   | 025300-001 | FEDERAL HJ #1 (LINDA)      | 31-6S-26E  | R-5545  | 1694        | 258                            | 963-1470                         |  |  |
| PERRY   | 025615-001 | FLAMENCO SWD #1            | 7-22S-32E  | SWD-428 | 109383      | 885                            | 4676-5814                        |  |  |
| PERRY   | 025836-002 | FLOWER AGA STATE #2        | 3-26S-28E  | SWD-325 | 1500        | 377                            | 2552-2833                        |  |  |
| HORNER  | 026334-001 | FREEMAN ACF #1             | 22-16S-37E | R-8290  | 0           | 0                              | 10050-10350                      |  |  |
| HORNER  | 003200-001 | HARRIS STATE #1            | 29-13S-34E | SWD-224 | 65899       | 781                            | 10390-10395                      |  |  |
| HORNER  | 032270-001 | HOOVER ADR STATE #1        | 1-17S-33E  | SWD-402 | 10892       | VAC                            | 3767-3774                        |  |  |
| CHAVEZ  | 032771-001 | HUMBLE HOBBS FEDERAL #1    | 24-20S-24E | SWD-434 | 339876      | 1438                           | 9600-11580                       |  |  |
| HANES   | 036986-001 | LOVELADY ADN STATE #1      | 31-8S-33E  | SWD-294 | 11322       | VAC                            | 4286-4419                        |  |  |
| PERRY   | 037132-001 | LUSK #1 SWD (LUSK #4 SWD)  | 35-19S-32E | SWD-480 | 5428        | 160                            | 4733-7678                        |  |  |
| CHAVEZ  | 039834-004 | MIMOSA AHS #4              | 4-20S-24E  | SWD-474 | 166593      | 468                            | 9836-11159 (OH)                  |  |  |
| CHAVEZ  | 039834-001 | MIMOSA AHS FEDERAL #1      | 4-20S-24E  | SWD-408 | 105334      | 920                            | 9515-11011                       |  |  |
| ATKINS  | 040010-002 | MITCHELL IN #2             | 23-17S-25E | R-5602  | 26312       | 55                             | 8879-9362                        |  |  |
| DEHLER  | 043620-001 | OSAGE #1                   | 21-19S-25E | SWD-336 | 42720       | 1431                           | 7672-7813                        |  |  |
| HANES   | 043844-013 | PATHFINDER AFT STATE #13   | 21-10S-27E | SWD-415 | 137050      | VAC                            | 6442-6729                        |  |  |
| HANES   | 043844-007 | PATHFINDER AFT STATE #7    | 21-10S-27E | SWD-394 | 0           | 0                              | 2450-2650                        |  |  |
| HANES   | 043940-003 | PATTON AAR STATE #3        | 5-9S-32E   | R-3637  | 662         | VAC                            | 5805-5920                        |  |  |
| HORNER  | 046582-001 | RED HAT STATE UNIT #1      | 2-16S-33E  | SWD-468 | N/A         | N/A                            | 9570-9900                        |  |  |
| DEHLER  | 047690-002 | ROUTH NU COM #2            | 14-19S-24E | SWD-399 | 91471       | 991                            | 9766-11110                       |  |  |
| DEHLER  | 047556-003 | ROY AET #3                 | 7-19S-25E  | SWD-437 | 86096       | 1135                           | 10025-11311                      |  |  |
| DEHLER  | 051990-001 | STATE CO #1                | 36-19S-24E | SWD-285 | 93415       | 1327                           | 10000-11052                      |  |  |
| CHAVEZ  | 052125-001 | STATE D #1                 | 16-20S-24E | SWD-395 | 95234       | 1450                           | 2595-3685                        |  |  |
| PERRY   | 052526-001 | STONEWALL YE STATE #1      | 30-20S-28E | R-8265  | 14365       | 657                            | 4219-4308                        |  |  |
| HANES   | 052844-002 | SUN UW FEDERAL #2          | 10-8S-33E  | R-8271  | 14581       | 1176                           |                                  |  |  |
| HORNER  | 052888-002 | SWAN VB STATE #2           | 21-14S-33E | R-7292  | 64629       | VAC-120                        | 10071-10350                      |  |  |