(June 1990) DEPARTMEN'	N.M. Oil Cons. Division ED STATES 811 S. 1st Street T OF THE INTERIORARIESIE, NM 88210-2834 AND MANAGEMENT	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No.
SUNDRY NOTICES	AND REPORTS ON WELLS Il or to deepen or reentry to a different reservoir. R PERMIT—" for such proposals	NM-39635 6. If Indian, Allottee or Tribe Name
SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation
Type of Well     Oil     Well     Well     Well     Other     Name of Operator     YATES PETROLEUM CORPORATION     Address and Telephone No.	(007 1 5 1535 (505) 748-1471)	8. Well Name and No. <u>Mimosa AHS Federal #3-1</u> 9. API Well No. 30. 015 - 29123
105 South 4th St., Artesia, M 4. Location of Well (Footage, Sec., T., R., M., or Survey Do 635' FSL & 330' FEL of Section	escription)	<u>30-015-29123</u> 16: Field and Pool, or Exploratory Area Undesignated Morrow 11. County or Parish, State Eddy Co., NM
12. CHECK APPROPRIATE BOX(	s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
X       Notice of Intent         Subsequent Report         Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Authorization to Inje	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Ct Dispose Water (Note: Report results of multiple completion on Well
Please see the attached C-10 filed with the New Mexico Oi	SUBJECT TO LIKE APPROVAL	nject) that has been
	BY STATE NMOCD	
	sa - 1 Sa - 1	
14. I hereby certify that the foregoing is true and correct Signed		Date Oct. 8, 1996
Conditions of approval, if any:	n knowingly and willfully to make to any department or agency of the Unit	, , ,

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POST OFFICE BOX 45HB BTATE LAND DEFICE HURDING BANTA FE, NEW MEXICU 87501 Υ,

Revised 7-1-01

APPLIC	ATION FOR AUTHORIZATION TO INJECT
Ι.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? yes no
11.	Operator: Yates Petroleum Corporation
	Address:105 South Fourth Street Artesia, NM 88210
	Contact party: John F. Brown Phone: (505) 748-4219
111.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
Ι٧.	Is this an expansion of an existing project?  yes  in a second seco
۷.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
* VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and</li> <li>If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).</li> </ol>
*VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
· IX.	Describe the proposed stimulation program, if any.
• x.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
×1.	Attach a chemical analysis of fresh water from two or more fresh water wells (if avai able and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification
. •	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief. Name:
	Signature: Jam Tom Date: 9-11.96
submi	e information/required under Sections VI, VIII, X, and XI above has been previously tted, it need not be duplicated and resubmitted. Please show the date and circumstance e earlier submittal.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

#### III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - (1) Lease name; Well No.; location by Section, Township, and Range; and Footage location within the section.
  - (2) Each cosing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.
  - (4) The name, model, and setting depth of the parker used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- 0. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
  - (1) The name of the injection formation and, if applicable, the field or pool name.
  - (2) The injection interval and whether it is perforated or open-hole.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

#### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2000, Santa Fe, New Mexico 07501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOFICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was moiled to them.

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MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471 S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

September 11, 1996

David Catanach State of New Mexico OIL CONSERVATION DIVISION 2040 S. Pacheco Street Santa Fe, NM 87505-5472

Dear Mr. Catanach,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) for the proposed Mimosa SWD #3 located in Unit P of Section 4-T20S-R24E, Eddy County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-4219

Sincerely, ale ABno

John F. Brown Operations Engineer

JFB/th

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Enclosure

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471 S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEVTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASUBER

September 11, 1996

Tim Gum State of New Mexico OIL CONSERVATION DIVISION 811 South First Street Artesia, NM 88210

Dear Mr. Gum,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) for the proposed Mimosa SWD #3 located in Unit P of Section 4-T20S-R24E, Eddy County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-4219

Sincerely,

John F. Brown Operations Engineer

JFB/th

Enclosure

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471 S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

September 11, 1996

Richard Manus Bureau of Land Management 620 E. Greene Street Carlsbad, NM 88220-6292

Dear Mr. Manus,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) for the proposed Mimosa SWD #3 located in Unit P of Section 4-T20S-R24E, Eddy County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-4219

Sincerely. 1 1S-2 a/

John F. Brown Operations Engineer

JFB/th

Enclosure

## C-108 Application For Authorization To Inject Yates Petroleum Corporation Mimosa SWD #3 P 4-20S-24E Eddy County, New Mexico

- 1. The purpose of completing this well is to make a disposal well for produced Canyon water into the Devonian and Ellenburger.
- II. Operator: Yates Petroleum Corporation South Fourth Street Artesia, NM 88210 John F. Brown (505) 748-4219
- III. Well Data: See Attachment A
- IV. This is not an expansion of an existing project.
- V. See attached map, Attachment B
- VI. 2 wells within the area of review penetrate the proposed injection zone. (Attachment C)
- VII. 1. Proposed average daily injection volume approximately 20,000 BWPD. Maximum daily injection volume approximately 30,000 BWPD.
  - 2. This will be a closed system.
  - 3. Proposed average injection pressure--unknown. Proposed maximum injection pressure--1886 psi.
  - 4. Sources of injected water would be produced water from the Canyon. (Attachment D)
  - 5. See Attachment D.
- VIII. The proposed injection interval is open hole from 9700' to TD or cased with 7" casing to TD.
- IX. The proposed disposal interval may be acidized with 15-20% HCL acid.
- X. Logs were filed at your office when the well was drilled.
- XI. No windmills exist within a one mile radius of the subject location.
- XII. Yates Petroleum Corporation has examined geologic and engineering data and has found that there is no evidence of faulting in the proposed interval.

Application for Authorization to Inject Mimosa SWD #3 -2-

XIII. Proof of Notice

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- A. No other surface owners or offset operators located in the area of review.
- B. Copy of legal advertisement attached. (Attachment E)

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XIV. Certification is signed.

### Yates Petroleum Corporation Mimosa SWD #3 P 4-20S-24E

#### Attachment A Page 1

#### III. Well Data

A. 1. Lease Name/Location: Mimosa SWD #3 P 4-20S-24E 635'FSL & 330'FEL

1

- 2. Casing Strings:
- a. Proposed well condition: See Attachment A - Proposed Status.
  13 3/8" 54#, J-55 at 404' (circ).
  9 5/8" 36#, J-55 at 1163' (circ).
  7" 26#, S95, N80 at 9800' (circ) or
  7" 26#, S95 & N-80 at 11,300'.
  4 1/2" 11.6#, plastic-coated tubing w/nickel plated packer at 9700'
- 3. Propose to use Guiberson or Baker plastic-coated or nickel-plated packer set at 9700'.
- B. 1. Injection Formation: Devonian, Ellenburger.
  - 2. Option I Injection interval will be open hole from 9700' to TD. Option II Injection interval from perforations 9700'-11,300'.
  - 3. Well was originally drilled as an exploratory Canyon/Morrow well. Well will be a Devonian and Ellenburger water disposal well (11,300'-TD) when work is completed.
  - 4. Next higher (shallower) oil or gas zone within 2 miles--Morrow. Next lower (deeper) oil or gas zone within 2 miles--None.





## **ATTACHMENT B**

# YATES PETROLEUM CORPORATION MIMOSA SWD #3 **PROPOSED SALT WATER DISPOSAL WELL** SEC. 4-T20S-R24E 635'FSL & 330'FEL **EDDY COUNTY, NEW MEXICO**

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# Copy of Publication

# Affidavit of Publication

No.<u>15638</u>\_\_\_\_

STATE OF NEW MEXICO,

County of Eddy:

Gary D. Scott		being duly
sworn, says: That he is the	Publisher	of The
Artesia Daily Press, a daily	newspaper of genera	l circulation,
published in English at Arte	sia, said county and st	ate, and that
the hereta attached Le	gal Notice	

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of

	days
the state of New Mexico for	consecutive weeks on
the same day as follows:	

First Publication September 22, 1996

Second Publication\_

Third Publication\_

Fourth Publication\_

Subscribed and sworn to before me this <u>23rd</u> day

September 1996 of\_ pans Notary Public, Eddy County, New Mexico

My Commission expires\_\_\_\_September 23, 1999

LEGAL NOTICE
LEGAL NOTICE <sup>3</sup> Yates Petroleum Corporation, 105 South Fourth Street, Ar- tesia, NM 88210, has filler form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservent tion Division seeking adminis- trative approval for an inject tion well. The proposed well, the "Mimosa SWD #3," to- cated 635'FSL & 330'FEL.04 Section 4, Township 20 South Range 24 East of Eddy Coun- ty, New Mexico, will be used for salt water 'disposal. Day posal waters from the Canyour will be re-injected into the Mississippian, Devonian and Ellenburger at a depth of 9430'-11,300' with a maxi- mum pressure of 1886 psi and a maximum rate of 30,000 BWPD. All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conserva- tion Division, 2040 S. Pacheco Street, Santa Fe, NM 87501, within 15 days. Addi- tional information can be ob- tained by contacting John F. Brown at (505) 748-4129. Published in the Artesia Daily Press, Artesia, N.M. Septem- ber 22, 1996.
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