



BRUCE KING  
GOVERNOR

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION



POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

March 12, 1992

Yates Petroleum Corporation  
105 South 4th Street  
Artesia, New Mexico 88210

Case 10463

Attn: Jim Brown

*RE: Application to convert the Red Hat State Unit Well  
No. 1, O-2-16S-33E, to a salt water disposal well  
into the San Andres and Glorieta formations.*

Dear Mr. Brown:

As you are aware an objection to your administrative application in the subject matter was filed by Charles R. Martin, Inc. who is an interested party.

This application therefore has been set for hearing before an examiner scheduled for April 2, 1992, which was the earliest possible docket available. Please provide adequate notice of this case pursuant to Division Rule 1207.

Please contact me, should you have any questions concerning this matter.

Sincerely,

MICHAEL E. STOGNER  
Chief Hearing Officer/Engineer

MES/jc

cc: Oil Conservation Division - Artesia  
Charles R. Martin, Inc. - Artesia

Case 10463

# Charles R. Martin, Inc.

POST OFFICE BOX 706

ARTESIA, NEW MEXICO 88211-0706

OIL CONSERVATION DIVISION  
RECEIVED

'92 MAR 23 AM 9 18

March 19, 1992

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
Post Office Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87504

LETTERS OF OBJECTION &  
WITHDRAWALS

Attention: Mr. Michael E. Stogner

Re: Application to convert the Red Hat State Unit Well No.  
1, O-2-16S-33E, to a salt water disposal well into the  
San Andres and Glorieta formations - Yates Petroleum  
Corporation

Dear Mr. Stogner:

Pursuant to our telephone conversation of Monday, March  
16, 1992, with David Catanack, Charles R. Martin, Inc. is  
withdrawing the objection to the above captioned which was  
filed on February 20, 1992. However, this in no way implies  
consent of such project.

It is strongly suggested that water wells within the  
radius of one (1) mile of any salt water disposal well be  
tested annually. This would provide data for any future  
projects of this magnitude and alleviate fear of fresh water  
contamination.

There are several oil wells in this specific area (east  
of the Headquarters) that may be improperly plugged. Would  
a project such as this have an impact on these wells?

Surface lessees would sincerely appreciate notification  
of salt water disposal wells in the area.

Your consideration into these matters is appreciated.  
May we receive your reply at an early date.

Very truly yours,

Charles R. Martin, Inc.

By *Albert H. Ozyurt*

cc: Yates Petroleum Corporation - Attention: Mr. Randy  
Patterson  
Yates Petroleum Corporation - Attention: Mr. Jim Brown

ATTORNEY-AT-LAW  
TEXAS

T. MIKE FIELD  
5730 66TH STREET  
LUBBOCK, TEXAS 79424

RECEIVED  
DIVISION  
FEB 27 1992  
806-794-6868

February 27, 1992

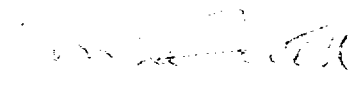
Mr. David Catanach, Engineer  
Oil Conservation Division  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87504

RE: APPLICATION FOR AUTHORITY TO INJECT -- YATES RED HAT  
SWD #1, LOCATED IN SECTION 2-16S-33E, LEA COUNTY, NEW MEXICO

Dear Mr. Catanach:

On behalf of Dan Field and myself, Lessees of the above referenced Section Two, we wish to contest the application of Yates in regard to locating a salt water disposal well in Section Two. Our reason for objection is that this is ranch land and we are concerned that the long term use of this property will be adversely affected by an underground saltwater disposal line. We do not think that the use contemplated by Yates is consistent with the use that we have as Lessees and would ask that the State respectfully deny this application. Thanking you for your consideration in this regard, I remain,

Very truly yours,

  
Mike Field

cc: Yates Petroleum

AS PER PHONE CONVERSATION w/ MIKE 3-11-92 3:45 PM,  
THEY HAVE NO OBJECTION AND WOULD NOT ATTEND A HEARING.



**Charles R. Martin, Inc.**

POST OFFICE BOX 706

ARTESIA, NEW MEXICO 88211-0706

February 20, 1992

RECEIVED  
DIVISION  
FEB 22 1992

Yates Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210-2122

Attention: Mr. Jim Brown

Re: Yates' Red Hat SWD #1  
Unit O, Section 2-16S-33E  
Lea County, New Mexico  
Application for Authority to Inject

Dear Jim:

Referring to the conversation of Tuesday, February 18, 1992, Charles R. Martin, Inc., wishes to file an objection to the above captioned application.

Very truly yours,

CHARLES R. MARTIN, INC.

By *Albert H. Ozborn*  
Albert H. Ozborn, General Manager  
Charles R. Martin Ranch

AHO:ldb

Enclosures

cc: State of New Mexico  
Energy and Minerals Department  
Post Office Box 2088  
Santa Fe, New Mexico 87504-2088

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

February 5, 1992

CERTIFIED RETURN RECEIPT

State of New Mexico  
OIL CONSERVATION DIVISION  
P. O. Box 2088  
Santa Fe, NM 87501

10463

Dear Sir,

Enclosed please find our application for authorization to inject for the Red Hat SWD #1 located in Section 2-16S-33E of Lea County.

If you have any questions, you may contact me at (505) 748-1471 Ext. 167. Thank you.

Sincerely,

Jim Brown  
Operations Engineering Supervisor

JB/th

Enclosures

## APPLICATION FOR AUTHORIZATION TO INJECT

Case 10463

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage  
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: Yates Petroleum Corporation

Address: 105 S. 4th Street, Artesia, NM 88210

Contact party: Jim Brown

Phone: (505) 748-1471

III. 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.

- IV. Is this an expansion of an existing project? ☐ yes ☒ no  
If yes, give the Division order number authorizing the project \_\_\_\_\_

V. 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:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. 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.).

- \*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.)

- \* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available 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: Jim Brown

Operations Engineering

Title Supervisor

Signature: Jim Brown

Date: February 5, 1992

- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

## 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 casing 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 packer 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.

B. 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 2088, Santa Fe, New Mexico 87501 within 15 days.

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

---

NOTICE: 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 mailed to them.

C-108  
Application For Authorization To Inject  
Yates Petroleum Corporation  
Red Hat SWD #1  
O 2-16S-33E  
Lea County, New Mexico

- I. The purpose of completing this well is to make a disposal well for produced San Andres water into the San Andres and Glorieta.
- II. Operator: Yates Petroleum Corporation  
105 South Fourth Street  
Artesia, NM 88210  
Jim Brown (505) 748-1471
- III. Well Data: See Attachment A
- IV. This is not an expansion of an existing project.
- V. See attached map, Attachment B
- VI. No wells within the area of review penetrate the proposed injection zone.
- VII.
  - 1. Proposed average daily injection volume approximately 4000 BWPd.  
Maximum daily injection volume approximately 10,000 BWPd.
  - 2. This will be a closed system.
  - 3. Proposed average injection pressure-900 psi  
Proposed maximum injection pressure--1150 psi.
  - 4. Sources of injected water would be produced water from the San Andres formation from nearby wells.  
(See Attachment C)
  - 5. See Attachment C.
- VIII.
  - 1. The proposed injection interval is the San Andres and Glorieta formations from 5805'-5818' and 5900'-5920'.
  - 2. Ogallala zones overlies the proposed injection formations at depths to approximately 300' feet.
- IX. The proposed disposal intervals will be acidized with 2,000 gallons of 15 HCL.
- X. Well logs have been filed with the Division.



Application for Authorization to Inject  
Red Hat SWD #1

-2-

- XI. 3 water wells exists within a one mile radius of the subject location. (Attachment D) Water analyses are attached.
- XII. Yates Petroleum Corporation has examined geologic and engineering data and has found that there is no evidence of faulting in the proposed interval.
- XIII. Proof of Notice
  - A. Certified letters sent to the surface owner and offset operators-attached. (Attachment E)
  - B. Copy of legal advertisement attached. (Attachment F)
- XIV. Certification is signed.

Yates Petroleum Corporation  
Red Hat SWD #1  
O 2-T16S-R33E

Attachment A

Page 1

III. Well Data

- A. 1. Lease Name/Location:  
Red Hat SWD #1  
O 2-T16S-R33E  
3300' FSL & 1980' FEL
2. Casing Strings:  
a. Present Well Condition  
13 3/8 54.5 #J-55 @ 409'  
8-5/8" 32#, S-80 and J-55 @ 4515'  
5 1/2" 17# and 20# N-80 and S-95  
@ 13,250'. Cemented with 2650 sx  
cement in two stages. Top of  
cement above 5200', determined by cement  
bond log.
- TD: 13,250'
3. Tubing:  
Propose to use 2 7/8" 6.5# J-55 plastic-  
coated tubing set at 5700'.
4. Packer:  
Propose to use Guiberson Uni VI or Baker  
plastic-coated or nickel-plated packer set  
at 5700'.
- B. 1. Injection Formation: Lower San Andres/Glorieta  
2. Injection Interval will be through perfora-  
tions from approximately 5808'-5818' and  
5900'-5920'.
3. Well was originally drilled as an exploratory  
oil well, earlier in 1991.
4. Other Perforated Intervals:  
9849'- 9870' Wolfcamp  
10415'-10470' Penn  
10756'-10778' Canyon  
11052'-11106' Canyon  
12604'-12628' Atoka

5. Next higher (shallower) oil or gas zone within the area of review--None  
Next lower (deeper) oil or gas zone within the area of review--Wolfcamp 9849'.

**LEA COUNTY, NEW MEXICO**



WILL COMPLETE FOR SALT-WATER DISPOSAL WITH 2-7/8" 6.5# J-55 PLASTIC-COATED TUBING AND GUIBERSON UNI VI OR BAKER PLASTIC-COATED OR NICKEL-PLATED PACKER @ 5700'. PROPOSE TO INJECT CANYON PRODUCED WATERS INTO THE SAN ANDRES AND GLORIETA FORMATIONS FROM APPROXIMATELY 5808-5818' AND 5900-5920'.



## ATTACHMENT C

THE WESTERN COMPANY OF NORTH AMERICA  
WATER ANALYSIS

ANALYSIS NO: 920203C

## GENERAL INFORMATION

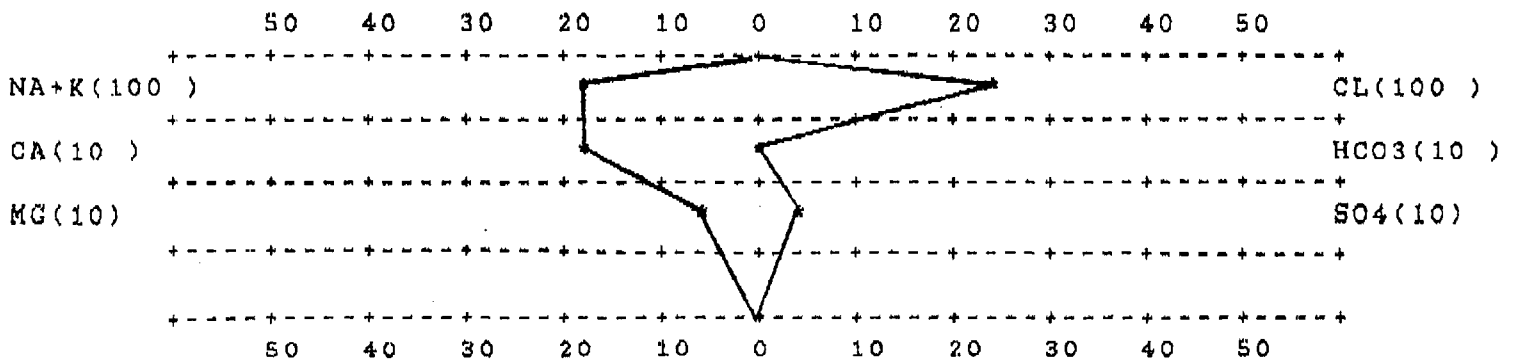
OPERATOR:	YATES PET.	DEPTH:	+/-5700'
WELL:	EIDSON RANCH UNIT#1	DATE SAMPLED:	2-3-92
FIELD:	EIDSON RANCH UNIT	DATE RECEIVED:	2-3-92
FORMATION:	SAN ANDRES	SUBMITTED BY:	RAY STALL
COUNTY:	EDDY	WORKED BY:	SHEPHERD
STATE:	NM	PHONE:	505-392-5556

SAMPLE DESCR: POST TREATMENT ANALYSIS.

## PHYSICAL AND CHEMICAL DETERMINATIONS

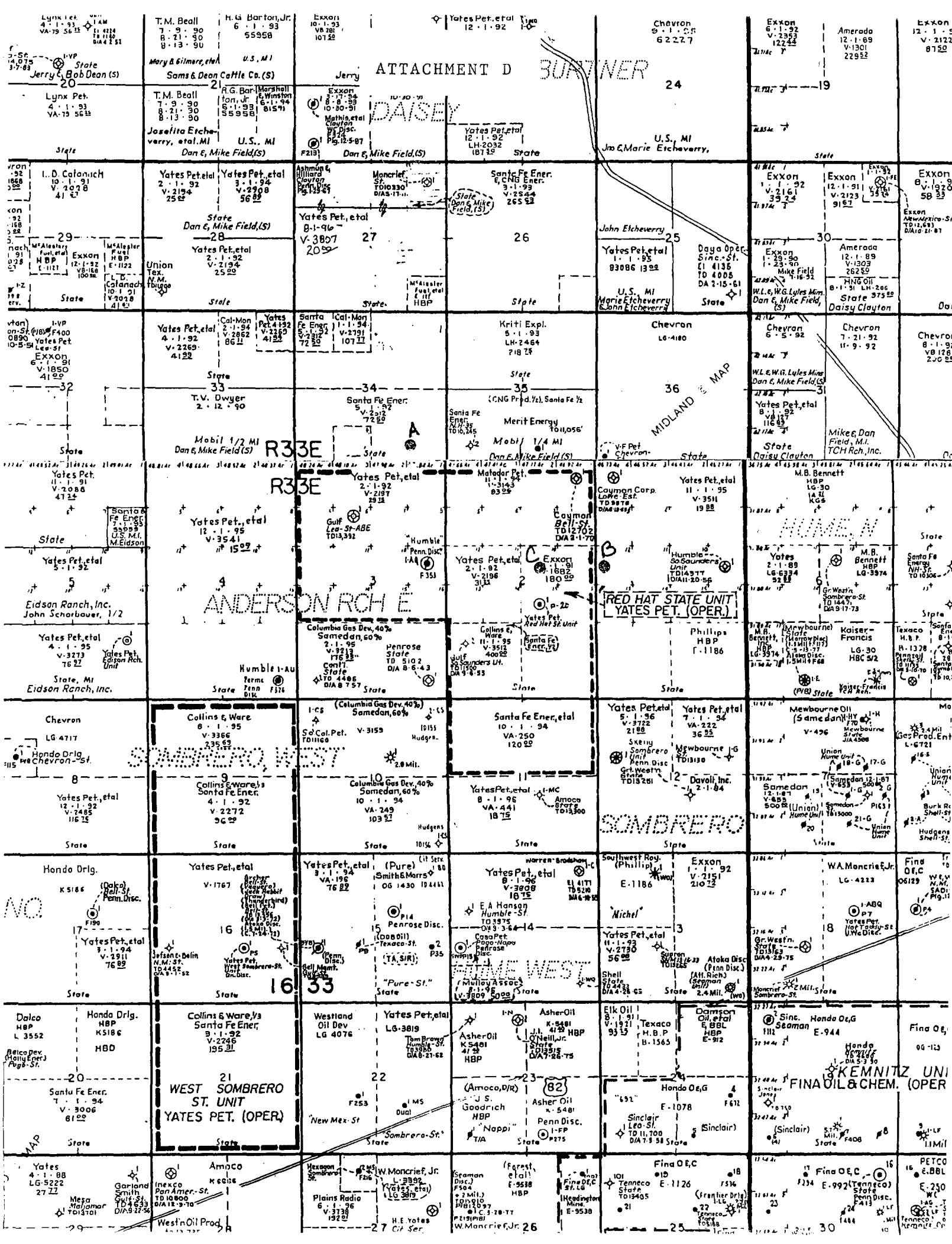
SPECIFIC GRAVITY:	1.110	AT	69 DEG. F	PH =	6.05
IRON:	NOT DETERMINED	SULFATE:		2297	PPM
FE2+:	+/- 3 PPM	CHLORIDE:		87368	PPM
SODIUM+POTASS:	52837 PPM	SODIUM CHLORIDE (CALC):		144025	PPM
CALCIUM:	3319 PPM	BICARBONATE:		385	PPM
MAGNESIUM:	635 PPM	TOT. HARDNESS AS CaCO3:		10911	PPM
PHOSPHATE:	NOT DETERMINED	TOT. DISSOLVED SOLIDS:		153797	PPM
RESISTIVITY (CALCULATED):	0.054 OHM/METER @ 75 DEGREES F.				
REMARKS:	NO KCL IN SAMPLE.				
	OIL GRAV. IS 26.8 API CORRECTED TO 60°F.				

## STIFF TYPE PLOT (IN MEQ/L)



ANALYST

SHEPHERD



# TRETOLITE®

Chemicals and Services

ATTACHMENT D  
Well B

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, NM  
Lease : WINDMILL  
Well : NORTHEAST  
Sample Pt. : WELLHEAD

Date : 12/13/91  
Date Sampled : 12/13/91  
Analysis No. : 002

ANALYSIS	mg/L	* meq/L
1. pH	7.8	
2. H2S	0	
3. Specific Gravity	1.000	
4. Total Dissolved Solids	1458.7	
5. Suspended Solids		
6. Dissolved Oxygen		
7. Dissolved CO2		
8. Oil In Water		
9. Phenolphthalein Alkalinity (CaCO3)		
10. Methyl Orange Alkalinity (CaCO3)		
11. Bicarbonate	HCO3 171.0	HCO3 2.8
12. Chloride	Cl 511.0	Cl 14.4
13. Sulfate	SO4 250.0	SO4 5.2
14. Calcium	Ca 64.0	Ca 3.2
15. Magnesium	Mg 4.9	Mg 0.4
16. Sodium (calculated)	Na 432.8	Na 18.8
17. Iron	Fe 0.0	
18. Barium	Ba 25.0	
19. Strontium	Sr 0.0	
20. Total Hardness (CaCO3)	180.0	

## PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
3 *Ca <----- *HCO3	Ca(HCO3)2	81.0 2.8	227
----- /----->	CaSO4	68.1 0.4	27
0 *Mg -----> *SO4	CaCl2	55.5	
----- <----- /	Mg(HCO3)2	73.2	
19 *Na -----> *Cl	MgSO4	60.2 0.4	24
-----	MgCl2	47.6	
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0 4.4	313
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4 14.4	842
BaSO4 2.4 mg/L			

## REMARKS:

----- L. MALLETT / MLAB / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
STEVE TIGERT



SCALE TENDENCY REPORT  
-----

Company	: YATES PETROLEUM	Date	: 12/13/91
Address	: ARTESIA, NM	Date Sampled	: 12/13/91
Lease	: WINDMILL	Analysis No.	: 002
Well	: NORTHEAST	Analyst	: STEVE TIGERT
Sample Pt.	: WELLHEAD		

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

S.I. =	0.2	at	80 deg. F	or	27 deg. C
S.I. =	0.3	at	100 deg. F	or	38 deg. C
S.I. =	0.4	at	120 deg. F	or	49 deg. C
S.I. =	0.5	at	140 deg. F	or	60 deg. C
S.I. =	0.5	at	160 deg. F	or	71 deg. C

\*\*\*\*\*

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

S =	1217	at	80 deg. F	or	27 deg C
S =	1207	at	100 deg. F	or	38 deg C
S =	1198	at	120 deg. F	or	49 deg C
S =	1189	at	140 deg. F	or	60 deg C
S =	1136	at	160 deg. F	or	71 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
STEVE TIGERT

# TRETOLITE<sup>®</sup>

Chemicals and Services

ATTACHMENT D

Well C

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, NM  
Lease : WINDMILL (NORTH)  
Well : NORTH  
Sample Pt. : WELLHEAD

Date : 12/13/91  
Date Sampled : 12/13/91  
Analysis No. : 001

ANALYSIS		mg/L		* meq/L
-----		-----		-----
1. pH	7.5			
2. H <sub>2</sub> S	0			
3. Specific Gravity	1.000			
4. Total Dissolved Solids		587.2		
5. Suspended Solids				
6. Dissolved Oxygen				
7. Dissolved CO <sub>2</sub>				
8. Oil In Water				
9. Phenolphthalein Alkalinity (CaCO <sub>3</sub> )				
10. Methyl Orange Alkalinity (CaCO <sub>3</sub> )				
11. Bicarbonate	HCO <sub>3</sub>	158.0	HCO <sub>3</sub>	2.6
12. Chloride	Cl	107.0	Cl	3.0
13. Sulfate	SO <sub>4</sub>	125.0	SO <sub>4</sub>	2.6
14. Calcium	Ca	68.0	Ca	3.4
15. Magnesium	Mg	7.3	Mg	0.6
16. Sodium (calculated)	Na	96.9	Na	4.2
17. Iron	Fe	0.0		
18. Barium	Ba	25.0		
19. Strontium	Sr	0.0		
20. Total Hardness (CaCO <sub>3</sub> )		200.0		

## PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt	X meq/L	= mg/L
+-----+					
3	*Ca <----- *HCO <sub>3</sub>	Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.0	2.6	210
-----	/----->	CaSO <sub>4</sub>	68.1	0.8	55
1	*Mg -----> *SO <sub>4</sub>	CaCl <sub>2</sub>	55.5		
-----	<-----/	Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.2		
4	*Na -----> *Cl	MgSO <sub>4</sub>	60.2	0.6	36
+-----+		MgCl <sub>2</sub>	47.6		
Saturation Values Dist. Water 20 C					
CaCO <sub>3</sub>	13 mg/L	NaHCO <sub>3</sub>	84.0		
CaSO <sub>4</sub> * 2H <sub>2</sub> O	2090 mg/L	Na <sub>2</sub> SO <sub>4</sub>	71.0	1.2	85
BaSO <sub>4</sub>	2.4 mg/L	NaCl	58.4	3.0	176

## REMARKS:

----- L. MALLETT / MLAB / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
STEVE TIGERT

ATTACHMENT E

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

February 5, 1992

CERTIFIED RETURN RECEIPT

Plains Radio Petroleum Company  
P. O. Box 9354  
Amarillo, TX 79105

Dear Sir,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Red Hat SWD #1 located in Unit O of Section 2-16S-33E, Lea County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

A handwritten signature in cursive script that reads 'Jim Brown'.

Jim Brown  
Operations Engineering Supervisor

JB/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

February 5, 1992

CERTIFIED RETURN RECEIPT

Matador Petroleum Corporation  
8340 Meadow Road  
St. 158, Pecan Creek  
Dallas, TX 75231

Dear Sir,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Red Hat SWD #1 located in Unit 0 of Section 2-16S-33E, Lea County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Jim Brown  
Operations Engineering Supervisor

JB/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

February 5, 1992

CERTIFIED RETURN RECEIPT

Exxon Corporation  
P. O. Box 1600  
Midland, TX 79702

Dear Sir,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Red Hat SWD #1 located in Unit 0 of Section 2-16S-33E, Lea County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Jim Brown  
Operations Engineering Supervisor

JB/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

February 5, 1992

CERTIFIED RETURN RECEIPT

Santa Fe Energy Resources, Inc.  
550 W. Texas, St. 1330  
Midland, TX 79701

Dear Sir,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Red Hat SWD #1 located in Unit O of Section 2-16S-33E, Lea County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Jim Brown  
Operations Engineering Supervisor

JB/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

February 5, 1992

CERTIFIED RETURN RECEIPT

Collins & Ware, Inc.  
303 W. Wall Ave., St. 2200  
Midland, TX 79701

Dear Sir,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Red Hat SWD #1 located in Unit O of Section 2-16S-33E, Lea County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Jim Brown  
Operations Engineering Supervisor

JB/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

February 5, 1992

CERTIFIED RETURN RECEIPT

Dan Field  
P. O. Box 1105  
Lovington, NM 88260

Dear Sir,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Red Hat SWD #1 located in Unit 0 of Section 2-16S-33E, Lea County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Jim Brown  
Operations Engineering Supervisor

JB/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

February 5, 1992

CERTIFIED RETURN RECEIPT

Charles R. Martin, Inc.  
P. O. Box 706  
Artesia, NM 88210

Dear Sir,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Red Hat SWD #1 located in Unit O of Section 2-16S-33E, Lea County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Jim Brown  
Operations Engineering Supervisor

JB/th

Enclosure

MARTIN YATES, JR.  
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

February 5, 1992

Hobbs News Sun  
503 W. Main  
Hobbs, NM 88240

Gentlemen,

Yates Petroleum Corporation desires to place a public notice in your newspaper for one day. The notice is enclosed.

Please place this notice in your paper on Friday, February 14, 1992 and forward a copy of it along with your billing as soon as possible to:

Yates Petroleum Corporation  
105 S. 4th Street  
Artesia, NM 88210  
Attn: Jim Brown

If you have any questions, please contact me at 748-1471, Ext. 167. Thank you for your cooperation in this matter.

Sincerely,

Jim Brown  
Operations Engineering Supervisor

JB/th

Enclosure

## Attachment F

### Legal Notice

Yates Petroleum Corporation, 105 South Fourth Street, Artesia, NM 88210, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the "Red Hat SWD #1" located 3300' FSL & 1980' FEL of Section 2, Township 16 South, Range 33 East of Lea County, New Mexico, will be used for saltwater disposal. Disposal waters from the Wolfcamp will be re-injected into the Delaware formation at a depth of 5746'-5870' feet with a maximum pressure of 1100 psi and a maximum rate of 10,000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, NM 87501, within 15 days. Additional information can be obtained by contacting Jim Brown at (505) 748-1471.

AFFIDAVIT OF PUBLICATION

State of New Mexico,  
County of Lea.

I, Kathi Bearden

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period

of \_\_\_\_\_

One weeks.  
Beginning with the issue dated

Feb. 14, 19 92  
and ending with the issue dated

Feb. 14, 19 92

Kathi Bearden  
General Manager

Sworn and subscribed to before

me this 18 day of

February, 19 92

Paula Penning  
Notary Public.

My Commission expires \_\_\_\_\_

Aug. 5, 19 95  
[Seal]

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

OIL CONSERVATION DIVISION  
RECEIVED

'92 FEB 20 AM 9 00

LEGAL NOTICE  
February 14, 1992

Yates Petroleum Corporation, 105 South Fourth Street, Artesia, NM 88210, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the "Red Hat SWD #1" located 3300' FSL & 1980' FEL of Section 2, Township 16 South, Range 33 East of Lea County, New Mexico, will be used for saltwater disposal. Disposal waters from the Wolfcamp will be re-injected into the Delaware formation at a depth of 5746'-5780' feet with a maximum pressure of 1100 psi and a maximum rate of 10,000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 87501, within 15 days. Additional information can be obtained by contacting Jim Brown at (505) 748-1471.



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

2-14-92

BRUCE KING  
GOVERNOR

POST OFFICE BOX 1980  
HOBBS, NEW MEXICO 88241-1980  
(505) 393-6161

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC \_\_\_\_\_  
DHC \_\_\_\_\_  
NSL \_\_\_\_\_  
NSP \_\_\_\_\_  
SWD ☒ \_\_\_\_\_  
WFX \_\_\_\_\_  
PMX \_\_\_\_\_

Case 10463

Gentlemen:

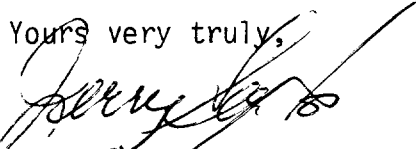
I have examined the application for the:

Yates Petroleum Corp. Red Hat Swd # 1-0 2-16-33  
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

  
Jerry Sexton  
Supervisor, District 1

/ed