

July 26, 1984

Oil Conservation Commission  
Post Office Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: Vulture VP State, Well No. 1  
Section 14, T-15-S, R-33-E  
Lea County, New Mexico  
Application for Authorization for SWD well.

Dear Sir:

Please consider this Maralo's request for authorization to inject into the above referenced well for the purpose of salt water disposal. Per the requirements of the Oil Conservation Commission, enclosed is Form C-108 and all attachments therein.

Your administrative approval of our request will be appreciated. Should you have any questions, please, contact me at AC 915 684-7441.

Yours truly,

Brenda Coffman  
Agent

BC

## APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: Maralo, Inc.

Address: P. O. Box 832, Midland, Texas 79702 0832

Contact party: Brenda Coffman Phone: 915 684-7441

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: Brenda Coffman Title Agent

Signature: Brenda Coffman Date: 7-27-84

\* 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.

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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.

ATTACHMENT TO FORM C-108

III. Well Data

- A-1. Vulture VP State, Well #1 located in Section 14, T-15-S, R-33-E, 330' FNL & 330' FWL.
- A-2. 13 3/8" casing set at 445', cemented with 450 sacks cement, 17" hole, cement circulated to surface - top determined by observation.  
8 5/8" casing set at 4195' with 2,480 sacks cement, 12 1/4" hole.  
5 1/2" casing set at 10,479', cemented with 650 sacks 50/50 Poz, tailed in with 250 sacks Class "H", 7 7/8" hole.
- A-3. The tubing will be 2 3/8" lined with Duoline HT2 and set at approximately 4150'.
- A-4. The packer will be a 8 5/8" Baker, nickel plated, Model A45 set at approximately 4150'.
- B-1. Produced water will be injected into the San Andres-Glorieta formation in the Saunders Permo-Upper Penn. Pool.
- B-2. The injection interval will be OH at a depth from 4195 - 7070'.
- B-3. The well, a dry hole, was drilled originally for the purpose of producing oil. 7130' of 5 1/2" was salvaged by Yates prior to abandonment.
- B-4. N.A.
- B-5. There are no higher or lower oil or gas zones in the area of review.

V. Map attached that identified all wells and leases within two miles of proposed injection well with a one-half mile radius circle drawn around same well identifying well's area of review.

VI. There are no wells of public record within the area of review which penetrate the proposed injection zone.

VII. Data on the proposed operation, as follows:

- 1. The proposed average daily rate will be 500 BWPDP with a maximum of 2000 BWPDP.
- 2. The system will be a closed system.
- 3. The proposed average and maximum injection pressure will be 500 psig.
- 4. The source for injected water will be Bough produced water. There is no problem of compatibility when injecting the Bough into the San Andres pool. We will have a closed system.
- 5. The injected water will be from adjacent production on Maralo's State "10" lease.

VIII. Appropriate Geological Data on Zone:

1. Lithologic detail - Calcareous sandstone, cementations of clay fine - medium sorted.
2. Geological Name - San Andres  
Thickness 1,550'

Geological Name, depth of all fresh water - Total dissolved solids of 10,000 mg/l or less are above 400' FS.

IX. Acid treat w/2000 gals 15% NEA, if necessary.

X. Logs were submitted to the Commission on March 22, 1983.

XI. N.A.

XII. Statement attached.

XIII. Proof of Notice attached.

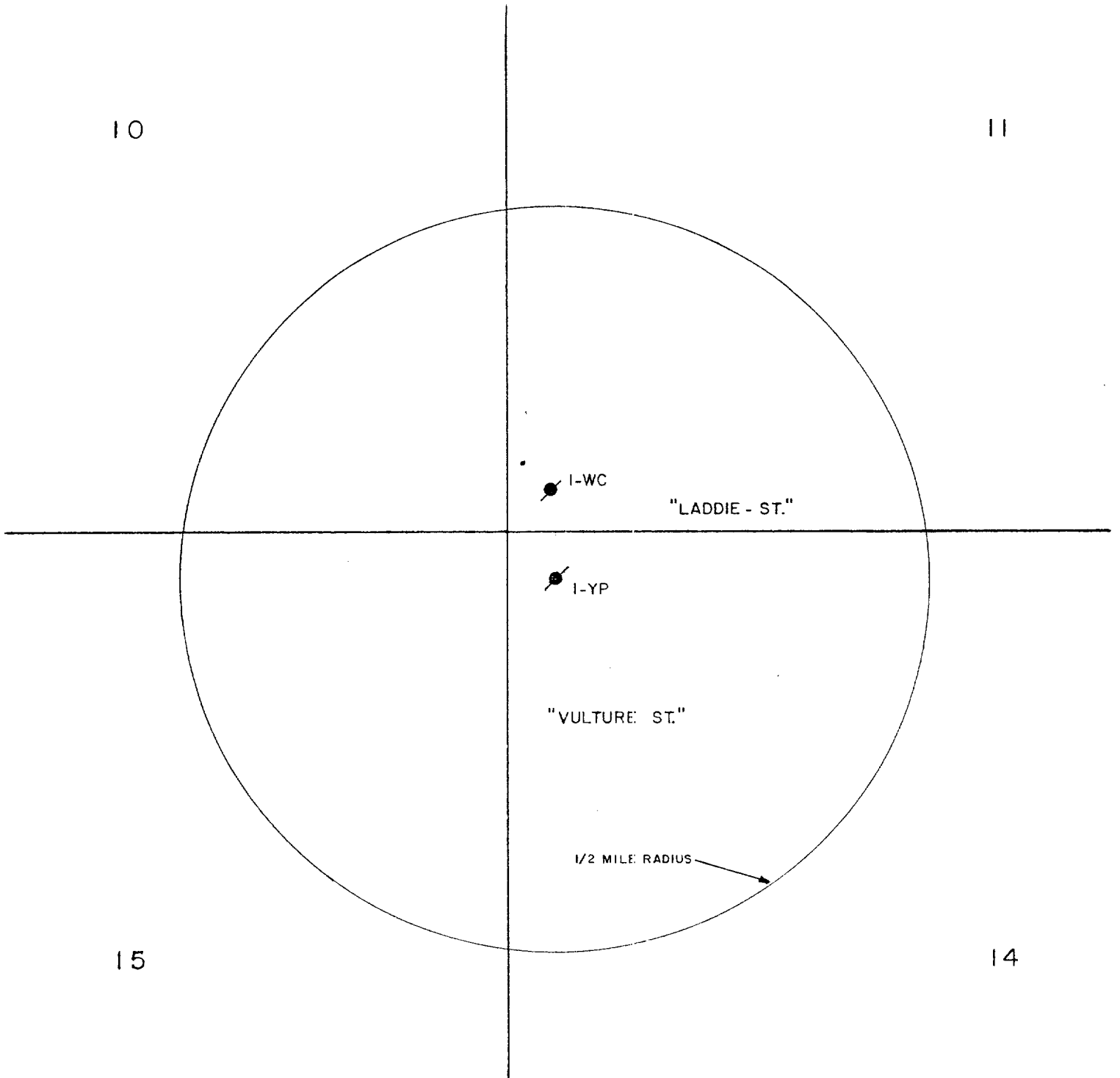






10

11



15

14

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☒ Free ☐

5. State Oil & Gas Lease No.

LG 958

7. Unit Agreement Name

8. Farm or Lease Name

Laddie WC State

9. Well No.

1

10. Field and Pool, or Wildcat

Undesignated  
Saunders Permian Upper P

12. County

Lea

TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

DRY ☐

OTHER P&A

TYPE OF COMPLETION

NEW WELL ☐

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF. REVEN. ☐

OTHER

Name of Operator

Yates Petroleum Corporation

Address of Operator

207 South 4th St., Artesia, NM 88210

Location of Well

T. LETTER M LOCATED 330 FEET FROM THE South LINE AND 330 FEET FROM

West

LINE OF SEC. 11

TWP. 15S

RGE. 33E

Date Spudded

12-30-82

15. Date T.D. Reached

17. Date Compl. (Ready to Prod.)

18. Elevations (DF, RKB, RT, GR, etc.)

4178.1' GR

19. Elev. Casinghead

Total Depth  
165'

21. Plug Back T.D.

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

0-165'

Producing Interval(s), of this completion - Top, Bottom, Name

25. Was Directional Survey Made

No

Type Electric and Other Logs Run

None

27. Was Well Cored

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
None					

LINER RECORD

30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

Perforation Record (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

PRODUCTION

33. First Production

Production Method (Flowing, gas lift, pumping - Size and type pump)

Well Status (Prod. or Shut-in)

34. Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
35. Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

Disposition of Gas (Sold, used for heating, etc.)

Test Witnessed By

36. List of Attachments

None

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

TITLE

Production Supervisor

DATE 8-29-83



## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.B.	
LAND OFFICE	
OPERATION	

## SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REWORK OR PLUG SACS TO DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.OIL WELL ☐ CAP WELL ☐

OTHER: Plug &amp; Abandon

Name of Operator

Yates Petroleum Corporation

Address of Operator

207 South 4th St., Artesia, NM 88210

Location of Well

UNIT LETTER M 330

FEET FROM THE South LINE AND 330

FEET FROM

TOWNSHIP 11

RANGE 33E

MMPM.

15. Elevation (Show whether DF, RT, GR, etc.)

4178.1' GR

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐PLUG AND ABANDON ☐REMEDIAL WORK ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐COMMENCE DRILLING OPERATIONS ☐PULL OR ALTER CASING ☐CASING TEST AND CEMENT JOBS ☐ALTERING CASING ☐PLUG AND ABANDONMENT ☒OTHER ☐

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

TD 165'. Plugged well as follows:

Filled hole from TD 165' to surface with 25 sacks Class "C" Neat. Circulated 5 sacks.  
Dry hole marker installed.

Verbal permission obtained from Mr. Jerry Sexton, OCD, Hobbs, NM to plug well.

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	LG 958
7. Unit Agreement Name	
8. Farm or Lease Name	Laddie WC State
9. Well No.	1
10. Field and Pool, or Wildcat	Saunders Permo Upper Penn
12. County	Lea

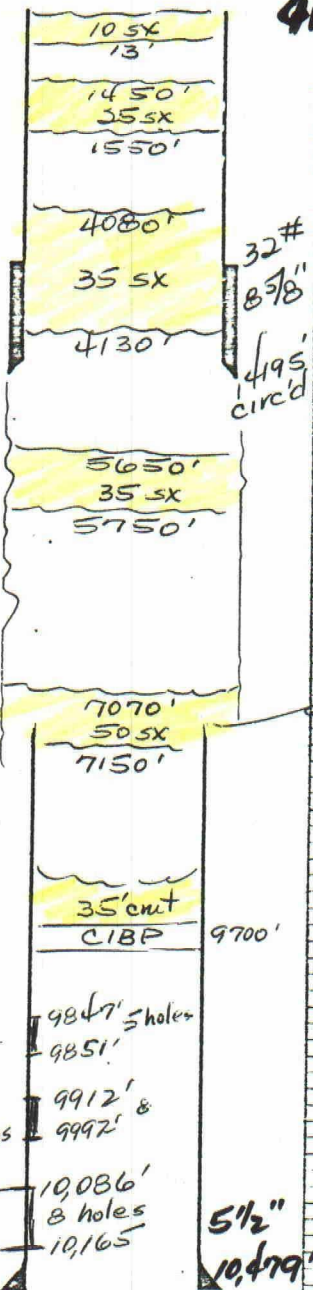
# MARALO INC. re-entry of VATES PET. CORP'S

DATE 8-24-84 WELL NO. 1

LEASE Vulture VP State FIELD

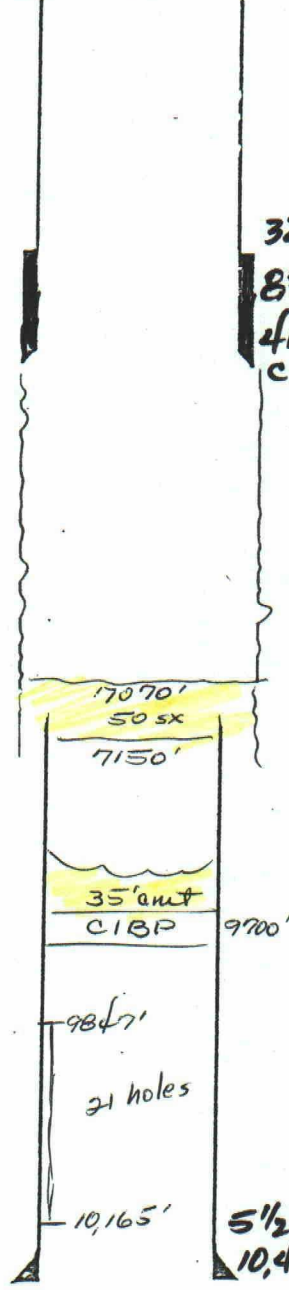
Sounders Permian  
Upper Penn  
LEA Co., N.M.

4178' GL



Vates  
C 103  
4-13-84  
Set these  
cmt plugs

cut off  
@ 7130'  
\$ SALVAGED  
PRIOR TO  
P&A



32#  
8 5/8"  
4195'  
circ'd

INJECT INTO

OH 4195' - 7070'

PRESENT  
SITUATION

PROPOSED  
RE-ENTRY

**AFFIDAVIT OF PUBLICATION**

State of New Mexico,

County of Lea.

1, Robert L. Summers

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 in a supplement thereof for a period

of \_\_\_\_\_

One weeks

Beginning with the issue dated

July 12, 19 84

and ending with the issue dated

July 12, 19 84

Robert L. Summers  
Publisher.

Sworn and subscribed to before

me this 19 day of

July, 19 84  
Jane Paulowsky  
Notary Public.

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

3-24, 19 87

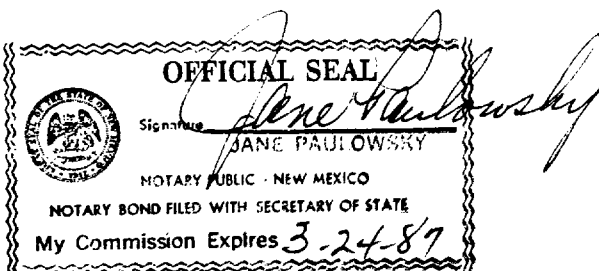
(Seal)

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.

**LEGAL NOTICE**  
July 12, 1984  
**NOTICE OF APPLICATION TO DISPOSE OF PRODUCED WATER**  
Maralo, Inc. is applying to the Oil Conservation Commission for a permit to inject produced water into a zone not productive of oil or gas. The person to contact, with Maralo, is R.A. Lowery at 915-684-7441, P.O. Box 832, Midland, Texas 79702-0832.  
Maralo, Inc. intends to inject fluid into the Permo-Upper Pennsylvanian "Bough" formation at a depth of 9817' (5622') for their Vulture VP state, Well No. 1, formerly operated by Yates Petroleum Corporation. The well is located in Unit letter D, 330'

from the North line and 330' from the West line of Section 14, Township 15 South, Range 33 East, Lea County. The maximum injection rate will be 2000 BWPD with a tubing pressure of 500 psig.

Interested parties must file objections or request for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.





July 17, 1984

Oil Conservation Commission  
Post Office Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

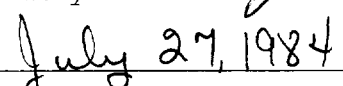
Re: Vulture VP State, Well No. 1  
Section 14, T-15-S, R-33-E  
Lea County, New Mexico  
Application for Authorization for SWD well

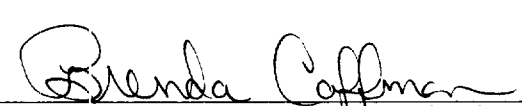
Dear Sir:

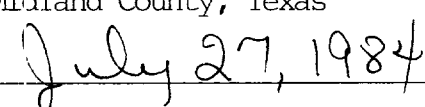
This letter is to certify that all available geologic and engineering data has been examined and we find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

I, R. A. Lowery, hereby certify that  
the above statement is true and correct  
to the best of my knowledge and belief.

  
\_\_\_\_\_  
R. A. Lowery

  
\_\_\_\_\_  
DATE

  
\_\_\_\_\_  
Brenda Coffman, Notary Public in and  
for Midland County, Texas

  
\_\_\_\_\_  
DATE





July 27, 1984

Oil Conservation Commission  
Post Office Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: Vulture VP State, Well No. 1  
Section 14, T-15-S, R-33-E  
Lea County, New Mexico  
Application for Authorization for SWD well

Dear Sir:

I hereby certify that a copy of Form C-108, with attachments, Application For Authorization To Inject for purpose of salt water disposal, has been mailed, via certified mail, to the surface leasee and each leasehold operator within one-half mile radius of the subject well. The form and attachments were mailed on July 27, 1984. A list of the aforementioned is attached.

  
Brenda Coffman, Agent

July 27, 1984



SURFACE LEASEE

Johnny Martin Etchevery  
P. O. Box 1656  
Lovington, New Mexico 88260

LEASEHOLD OPERATORS WITHIN ONE-HALF MILE OF SUBJECT WELL

Samedan Oil Corporation ✓  
P. O. Box 909  
Ardmore, Oklahoma 73402

Bill Mathis, et al ✓  
P. O. Box 2414  
Midland, Texas 79702

Hanlad Oil Corporation ✓  
Petroleum Bldg.  
Roswell, New Mexico 88201

M. H. Christensen ✓  
P. O. Box 3790  
Midland, Texas 79702

Johnny Martin Etchevery  
P. O. Box 1656  
Lovington, New Mexico 88260



August 27, 1984

Oil Conservation commission  
Post Office Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: Vulture VP State, Well No. 1  
Section 14, T-15-S, R-33-E  
Lea County, New Mexico  
Application for Authorization for SWD well.

Dear Sir:

There are no wells of public record within a two mile radius of the subject well that produce from the proposed zone of injection.

Yours truly,

A handwritten signature in cursive script that reads "Brenda Coffman".

Brenda Coffman  
Agent

BC



August 27, 1984

Oil Conservation Commission  
Post Office Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

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Section 14, T-15-S, R-33-E  
Lea County, New Mexico  
Application for Authorization for SWD well

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Brenda Coffman, Agent

August 27, 1984  
Date

SURFACE LEASEE

Johnny Martin Etchevery  
P. O. Box 1656  
Lovington, New Mexico 88260

LEASEHOLD OPERATORS WITHIN ONE-HALF MILE OF SUBJECT WELL

Samedan Oil Corporation  
P. O. Box 909  
Ardmore, Oklahoma 73402

Bill Mathis, et al  
P. O. Box 2414  
Midland, Texas 79702

Hanlad Oil Corporation  
Petroleum Bldg.  
Roswell, New Mexico 88201

M. H. Christensen  
P. O. Box 3790  
Midland, Texas 79702

Johnny Martin Etchevery  
P. O. Box 1656  
Lovington, New Mexico 88260



August 27, 1984

Hobbs News-Sun  
Box 860  
Hobbs, New Mexico 88240

Attention: Public Notices

Re: Notice of Application For Approval  
To Dispose of Produced Water

Dear Sir:

Please run the attached notification in your newspaper, for one day only, at your earliest possible convenience. Please send me a copy of the notice along with a certification from you stating that the ad was run.

Please bill Maralo at the address below. If you have any question, please call at AC 915 684-7441.

Yours truly,

A handwritten signature in cursive script that reads "Brenda Coffman". The signature is fluid and elegant, with a long, sweeping underline.

Brenda Coffman  
Agent

BC



# NOTICE OF APPLICATION TO DISPOSE OF PRODUCED WATER

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Maralo, Inc. intends to inject fluid into the San Andres formation through open hole at a depth from 4195' - 7070' for their Vulture VP State, Well No. 1, formerly operated by Yates Petroleum Corporation. The well is located in Unit letter D, 330' from the North line and 330' from the West line of Section 14, Township 15 South, Range 33 East, Lea County. The maximum injection rate will be 2000 BWPD with a tubing pressure of 500 psig.

Interested parties must file objections or request for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

RECEIVED  
AUG 31 1984  
OIL CONSERVATION DIVISION  
FEDERAL RESERVE