### State of New Mexico





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### Commissioner of Public Lands

P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148

April 2, 1991

800 411

Mr. David Catanach Energy, Minerals & Natural Resources Dept. Oil Conservation Division State Land Office P. O. Box 2088 Santa Fe, New Mexico 87504

Re: Application for a Salt Water Easement

Dear Mr. Catanach:

Application is being made to Oil Conservation Division from Nearburg Producing Company for approval of a Salt Water Disposal in Section 27, Township 19 South, Range 25 East located Eddy County.

The Commissioner of Public Lands has no objection to your approval of the above application. However, the Commissioner reserves the right to refuse to grant a salt water easement when it would be detrimental to the Trust.

The applicant has a right under his valid oil and gas lease to dispose of the salt water subject to your approval. However, if he is going to inject salt water from other wells outside of the lease premises he will have to apply for a salt water disposal easement from the State Land Office use.

If you have any questions, you may contact Leo Maes at 827-5725.

Sincerely,

Pleas M. Glenn

Assistant Commissioner

PMG/LM/d1

cc: Date File

ENERI	STATE OF NEW MEXICO OIL CONSERVATION DIVISION  EX AND MINERALS DEPARTMENT POST OFFICE SON 2008  Revised 7-1-81  RESCRIPTION OF 1501
APPLIC	ATTON FOR AUTHORIZATION TO INTECT
I.	Purpose: Secondary Recovery Pressure Maintenance X Disnosal Storage Application qualifies for administrative approval? Secondary Recovery Pressure Maintenance X Disnosal Storage
II.	Operator: Nearburg Producing AND Apriny
	Address: P.O. Box 31405, Dallas, Texas 75231-0405
	Contact party: Ken Harbin Phone: 915-686-8235
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.
īv.	Is this an expansion of an existing project?  yes  no  If yes, give the Division order number authorizing the project
ν.	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'a arca 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	<ol> <li>Proposed sverage 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 date on the well. (If well logs have been filed with the Division they need not be resubmitted.)

- Attach a chemical analysis of fresh water from two or more fresh water wells (if XI. available and producing) within one mile of any injection or disposal well showing location of wells and datus samples were taken.
  - Applicants for disposal wells must make an affirmative statement that they have XII. 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.
- Applicants must complete the "Proof of Notice" section on the reverse side of this form. XIII.
- XIV. Certification

l heteb	ly certify that the information adomitted w	irtu fure	abbilcariou is thos suc correct
to the	best of my knowledge and belief.		
	Tim R McDonald ,	T:+1a	Engineering Manager

Name:	Tim R. McDonald	<u> </u>	Title	Engineering	Manager
Signati	ure: RMS		Datc:	March 25,	1991

w 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 dota 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, cetting 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 Dats 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 lessehold 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. D. 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.

# ATTACHED TO FORM C-108 NEARBURG PRODUCING COMPANY APPLICATION FOR AUTHORIZATION TO INJECT

#### ANSWERS TO QUESTIONS:

#### III. Well Data

A.

1. Lease Name: State of New Mexico VB-0173

Well Name: Coguna-Aikman St.

Well Number: 1 Section: 27

Township: 19 South Range: 25 East

Footage: 660' FSL & 1980' FWL

- 2. See attached diagram.
- 3. See attached diagram.
- 4. See attached diagram.

в.

- 1. Injection formation is the Devonian.
- The injection interval and whether it is perforated or open hole will not be known until the existing wellbore is reentered and deepened to the Devonian.
- 3. The well was not drilled for injection, its original purpose was to test the Morrow formation.
- 4. The existing wellbore was never perforated and production casing was not run.
- 5. The next higher oil and gas zone above the Devonian is the Morrow gas formation and there is no lower zone below the Devonian that is potentially oil or gas bearing.
- IV. This is not an expansion of an existing project.
- V. See attached map.
- VI. Not applicable to the area of review.

VII.

- Proposed average and maximum daily rate of injection is 3000 Bbls. and 10,000 Bbls. respectively.
- 2. The system will be open.
- 3. Proposed average and maximum injection pressure is 300 lbs. and 1200 lbs. respectively.
- 4. The wells indicated by a triangle on the map showing the area of review are existing, approved, and in operation salt water disposal wells in the Devonian formation. This application is for disposing of Dagger Draw North Upper Pennsylvanian Pool produced water into the Devonian formation similar to the three wells marked with

triangles. These waters are compatible as evidenced by successful disposal of Dagger Draw North Upper Pennsylvanian Pool water into the Devonian formation as done in the three wells marked with triangles.

5. See response to question No. 4.

VIII.

Lithologic Detail: Geologic Name: Thickness:

Intexness:

Depth:

Overlying underground sources of drinking water:

Underlying underground sources of drinking water:

Dolomite Devonian

unknown until well deepened, but expected 300 to 500' top of Devonian expected at

10,200' subsurface

These sources are between surface and 500' subsurface

None known

- IX. Proposed stimulation program will be to acidize the Devonian.
- X. See attached scout ticket and DST results on original wellbore. Logs are on file at the NMOCD.
- XI. Not applicable as there are no fresh water wells within 1 mile of the subject well.
- XII. Nearburg Producing Company has examined available geologic and engineering data and has found no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. See evidence of proof of notice attached.

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The Subsurface Library
P. O. Box 842
Midland, Texas

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EDDY COUNTY COQUINA OIL CORP, 1 Aikman

Sec 27-195-25E; 660' FSL, 1980' FWL Sec Loc'n:

Result. D C A

Spud: 1-10-74; Comp: 3-26-74; Elevi 3466' Grd; TD: 9544'

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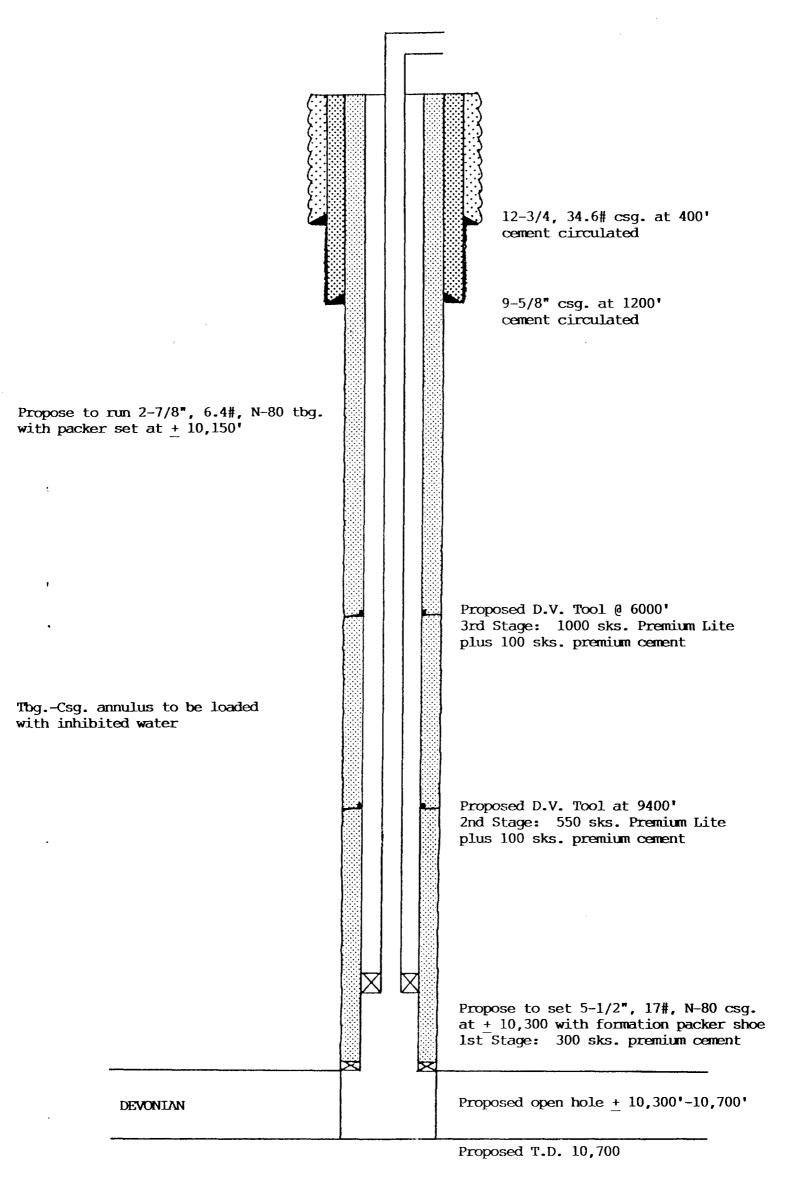
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NEW MEXICO

Petroleum Informations

Date: 4-17-74

Card No.: 5 dh



NEARBURG PRODUCING COMPANY Aikman-State No. 1-SWD Eddy County, New Mexico

### STEPHEN B. AIKMAN

24 SMITH ROAD, SUITE 200MIDLAND, TEXAS 79705915-686-0129

March 21, 1991

To: Bob Shelton

Re: Aikman-State SWD Offset Operators

### N/2 27-19S-25E:

Nearburg - South Boyd Unit

### N/2 28-19S-25E:

Yates Petroleum Corporation 207 S. 4th St. Artesia, NM 88210

### S/2 28-19S-25E:

Texaco Producing, Inc. P.O. Box 3109 Midland, TX 79702

### N/2 34-19S-25E & SE/4 27-19S-25E:

American National Petroleum Company P.O. Box 42175 Houston, TX 77242-2175

### N/2 33-19S-25E:

Mewbourne Oil Company P.O. Box 7698 Tyler, TX 75711

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY
ANNIE-LAURIE COOGAN

JEFFERSON PLACE

SUITE 1 - 110 NORTH GUADALUPE

POST OFFICE BOX 2208

SANTA FE. NEW MEXICO 87504-2208

TELEPHONE: (505) 988-4421

TELECOPIER: (505) 983-6043

April 12, 1991

# CERTIFIED MAIL RETURN RECEIPT REQUESTED

Ross Ranch Post Office Box 845 Artesia, NM 88220

Re: Application of Nearburg Producing Company for Salt Water Disposal, Eddy

County, New Mexico

#### Gentlemen:

Enclosed is a copy of the application of Nearburg Producing Company to the New Mexico Oil Conservation Division seeking authority to dispose of produced waters into the Devonian formation in its Aikman State Well No. 1, located 660 feet from the South line and 1980 feet from the West line of Section 27, Township 19 South, Range 25 East, N.M.P.M., Eddy County, New Mexico.

If you have questions concerning this application you may contact Mr. Mark Nearburg, One Petroleum Center, Building 8, 3300 North "A" Street, Suite 100, Midland, Texas 79705; telephone (915) 686-8235.

Any objections to this application or requests for hearing must be filed with the Oil Conservation Division, Post Office Box 2088, Santa Fe, New Mexico 87501 within fifteen days of this letter.

Very truly yours,

WILLIAM F. CARR

ATTORNEY FOR NEARBURG PRODUCING COMPANY

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Ross Ranch Post Office Box 845 Artesia, NM 88220

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Ps Form 3300, June 1985

JACK M. CAMPBELL
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April 12, 1991

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Yates Petroleum Corporation 207 South 4th Street Artesia, NM 88210

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ATTORNEY FOR NEARBURG PRODUCING COMPANY

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Yates Petroleum Corporation 207 South 4th Street Artesia, NM 88210

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April 12, 1991

# CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mewbourne Oil Company Post Office Box 7698 Tyler, TX 75711

Re: Application of Nearburg Producing Company for Salt Water Disposal, Eddy

County, New Mexico

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WILLIAM F. CARR

ATTORNEY FOR NEARBURG PRODUCING COMPANY

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Mewbourne Oil Company Post Office Box 7698 Tyler, TX 75711

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PS Form 3800, June 1985

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SANTA FE, NEW MEXICO 87504-2208

TELEPHONE: (505) 988-4421

TELECOPIER: (505) 983-6043

April 12, 1991

# CERTIFIED MAIL RETURN RECEIPT REQUESTED

Texaco Producing, Inc. Post Office Box 3109 Midland, TX 79702

Re: Application of Nearburg Producing Company for Salt Water Disposal, Eddy

County, New Mexico

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Enclosed is a copy of the application of Nearburg Producing Company to the New Mexico Oil Conservation Division seeking authority to dispose of produced waters into the Devonian formation in its Aikman State Well No. 1, located 660 feet from the South line and 1980 feet from the West line of Section 27, Township 19 South, Range 25 East, N.M.P.M., Eddy County, New Mexico.

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ATTORNEY FOR NEARBURG PRODUCING COMPANY

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April 12, 1991

# CERTIFIED MAIL RETURN RECEIPT REQUESTED

American National Petroleum Co. Post Office Box 42175 Houston, TX 77242-2175

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County, New Mexico

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Very truly yours,

WILLIAM F. CARR

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SANTA FE, NEW MEXICO 87504-2208

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TELECOPIER: (505) 983-6043

April 12, 1991

### **HAND-DELIVERED**

William J. LeMay, Director Oil Conservation Division New Mexico Department of Energy, Minerals and Natural Resources State Land Office Building Santa Fe, New Mexico 87503 RECEIVED

APR 1 2 1991

OIL CONSERVATION DIV.

SANTA FE

Re: In the Matter of the Application of Nearburg Producing Company for Salt Water Disposal, Eddy County, New Mexico

Dear Mr. LeMay:

Enclosed is an application of Nearburg Producing Company seeking administrative approval to convert its Aikman State Well No. 1 for disposal of produced water into the Devonian formation.

Notice of this application was provided on April 12, 1991, by certified mail to the owner of the surface of the land on which the well is located and to each leasehold operator within one-half mile of the well location. Notice by publication will be provided in the Artesia Daily Press on April 14, 1991, in accordance with the requirements of OCD Form C-108. As soon as it is received, an affidavit of publication will be filed with the Division to be included in with this application.

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
April 12, 1991
Page Two

If you need anything further from Nearburg Producing Company for your consideration of this application, please advise.

Very truly yours,

WILLIAM F. CARR

ATTORNEY FOR NEARBURG PRODUCING COMPANY

WFC:mlh Enclosure

cc w/enclosure:

Mr. M. B. Williams, Supervisor

Oil Conservation Division, District II

811 South First Street

Artesia, New Mexico 88210

Mr. Mark Nearburg

Nearburg Producing Company

1 Petroleum Center Building 8, Suite 100 3300 N. "A" Street Midland, Texas 79705

JACK M. CAMPBELL
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SANTA FE, NEW MEXICO 87504-2208
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April 22, 1991

HAND-DELIVERED

William J. LeMay, Director Oil Conservation Division New Mexico Department of Energy, Minerals and Natural Resources State Land Office Building Santa Fe, New Mexico 87503

RECEIVED

OL LONSERVATION DIVISION

Re: Oil Conservation Division Case No. 10283

In the Matter of the Application of Nearburg Producing Company for Salt

Water Disposal, Eddy County, New Mexico

Dear Mr. LeMay:

Pursuant to my April 12, 1991 letter to you, enclosed for your files is the original Affidavit of Publication No. 13495 which was published in the Artesia Daily Press on April 14, 1991 with reference to the above-captioned matter.

If you require anything further from us to proceed administratively with this application, please advise.

Very truly yours,

WILLIAM F. CARR

WFC:mlh

cc: Mr. Bob Shelton

Mr. Mark K. Nearburg

Nearburg Producing Company One Petroleum Center Building 8

3300 North "A" Street, Suite 100

Midland, Texas 79705

### Affidavit of Publication

No. 13495

### 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 general circulation, published in English at Artesia, said county and state, and that the hereto attached Legal 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 April 14, 1991 Second Publication\_\_ Third Publication\_ Fourth Publication Subscribed and sworn to before me this\_ Notary Public, Eddy County, New Mexico My Commission expires September 23, 1991

### Copy of Publication

LEGAL NOTICE
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