



BTA OIL PRODUCERS

104 SOUTH PECOS
MIDLAND, TEXAS 79701
AC 915-682-3753

EDWIGE

209

ROCKY MOUNTAIN DIVISION
555-17TH STREET
SUITE 835
DENVER, CO 80202
AC 303-292-9299

2006 7-2-90

MIDLAND PARTNERS
CARLTON BEAL
CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL

DENVER PARTNER
BARRY BEAL, JR.

June 28, 1990

RE: BTA - Application for Salt Water Disposal
Lovington, 8903 JV-P, Well No. 3
Sec. 17, T16S, R37E
Lea County, New Mexico

10037

STATE OF NEW MEXICO
Energy & Minerals Dept.
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Attn: Mr. David Catanach

Mr. Catanach:

We hereby request administrative approval of our application for Salt Water Disposal into the above referenced well.

All offset operators and the surface owner have been mailed a complete copy of our application by certified mail.

We have mailed our legal notice to the Lovington Daily Leader for publication. We will forward the "proof of publication" as soon as received.

Please advise if this application will require a hearing or if additional information is required.

Sincerely,

DOROTHY HOUGHTON
For BTA Oil Producers

DH/pdl

Attachments

cc: Hobbs District Office

Case 10037

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: BTA Oil Producers
Address: 104 South Pecos, Midland, TX 79701
Contact party: Dorothy Houghton Phone: 915-682-3753

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: Dorothy Houghton Title Regulatory Administrator

Signature: *Dorothy Houghton* Date: 6-28-90

* 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.

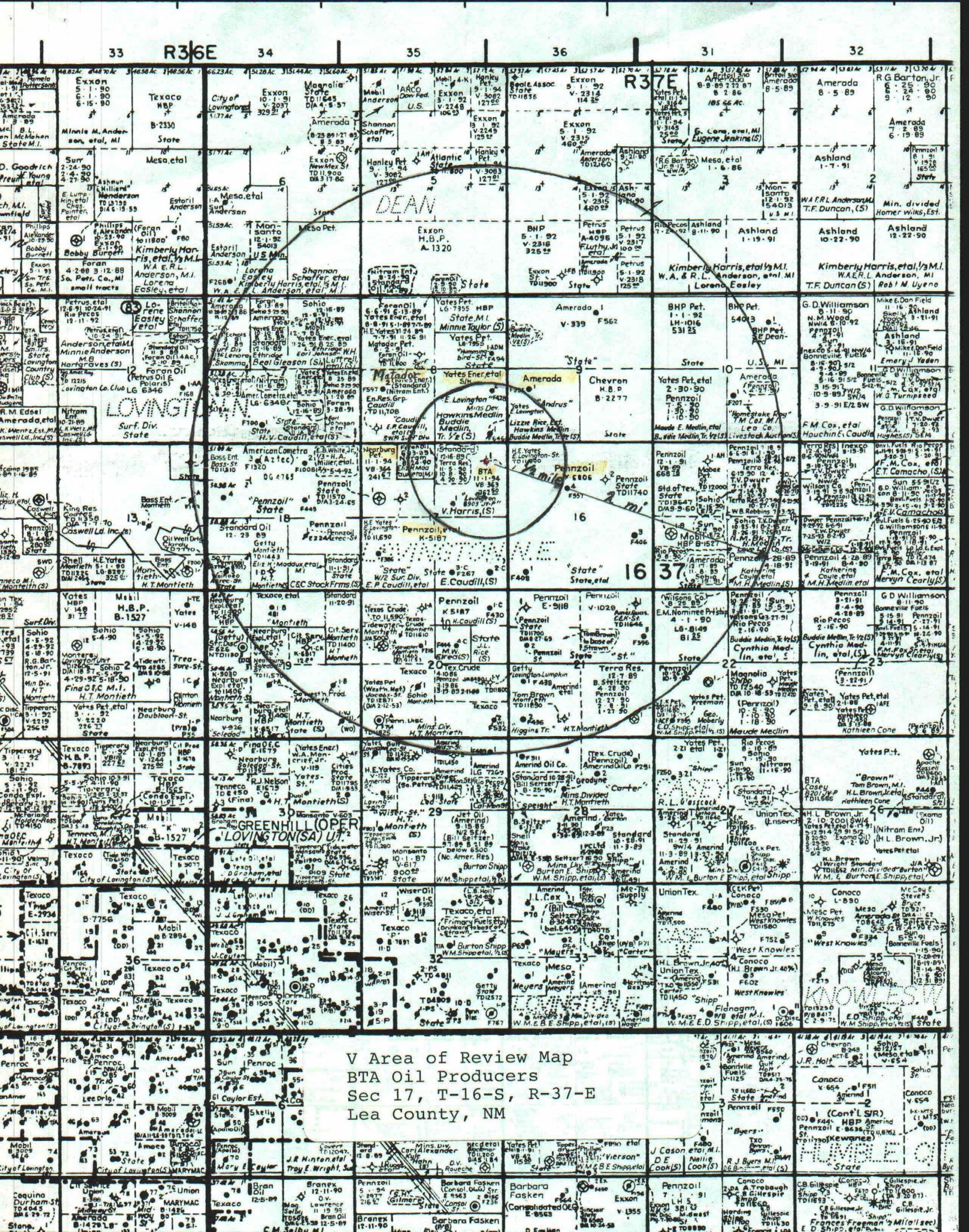
BTA OIL PRODUCERS

Lovington, 8903 JV-P
 No. 3-SWD
 660' FNL & 760' FEL
 A, Sec. 17, T16S, R37E
 Lea County, NM

Form C-108 Attachment

III. Injection Well Data Sheet

	<u>Hole Size</u>
<u>Surface Casing:</u>	13-3/8" @ 403' w/ 425 sx circ 17-1/2"
<u>Intermediate Casing:</u>	8-5/8" @ 4454' w/1800 sx circ 11"
	5-1/2" @ 11800' w/ 150 sx (Shot off csg @ 11,020', recover 271 jts) 7-7/8"
<u>Total Depth:</u>	11,800'
<u>tubing:</u>	2-7/8" fiberglass tubing @ 1200'
<u>Packer:</u>	Baker Loc-set Packer @ 3200'
<u>Name of Injection Formation:</u>	Yates
<u>Injection Interval:</u>	3,300 - 4,000'
<u>Fluid:</u>	Undesignated Yates
<u>Purpose:</u>	The well was drilled by Harvey E. Yates Co. as the East Lovington '17' State #1 to test production from the Pennsylvanian formation in 1988.
<u>Perforated Intervals:</u>	11,440 - 11,464' Squeezed 11,439 - 11,460' w 100 sx Perf 11,439 - 11,512' Perf 11,433 - 11,450' Set CIBP @ 11,409', Lap w/27' cmt Set 25 sx plug @ 11,080' Set 41 sx plug @ 9,838' Set 41 sx plug @ 7,970' Set 39 sx plug @ 6,541' Set 59 sx plug @ 4,551' Set 40 sx plug @ 2,177' Set 10 sx @ surface I&A 10-24-85
<u>Depth and name of overlying and/or underlying oil and gas zones in this area:</u>	Strawn 11,368'



V Area of Review Map
 BTA Oil Producers
 Sec 17, T-16-S, R-37-E
 Lea County, NM

GREENHILL OPER
 (S) (A) (U) (P) (2)

KNOWLES

Barbara Fasken
 (S) (A) (U) (P) (2)

Conoco
 (S) (A) (U) (P) (2)

Lovington, 8903 JV-P, No. 3-SWD
Lea County, NM
Attachment to C-108
June 28, 1990
Page -2-

VI. Tabulation of Data on all Wells in Review Area

Well: Harvey E. Yates Co.
E. Lovington "8" #1

Location: 330' FSL & 660' FEL
-P-, Sec. 8, T16S, R37E
Lea County, New Mexico

Type Well: Oil Producer

Construction: 13-3/8" @ 391' w/ 400 sx - Circ
8-5/8" @ 4497' w/1370 sx - Circ
5-1/2" @ 11798' w/1200 sx -

Date Drilled: 03-27-83

Record of Completion: Perfs 11,476 - 11,488'
IPF 646 BG
Comp 05-14-83
Add'l Perfs 04-17-85 11,435 - 11,504'

Note: Filed intent to P&A 12-23-89

Well: Harvey E. Yates Co.
E. Lovington "8" #2

Location: 1374' FSL & 554' FEL
-I-, Sec. 8, T16S, R37E
Lea County, New Mexico

Type Well: Oil Producer

Construction: 13-3/8" @ 405' w/ 450 sx - Circ
8-5/8" @ 4475' w/1600 sx - Circ
5-1/2" @ 11800' w/ 375 sx - TOC @ 10150'

Date Drilled: 03-07-86

Record of Completion: Perfs 11,498 - 11,538'
IPF 428 BG
Comp 04-09-86

Lovington, 8903 JV-P, No. 3-SWD
Lea County, NM
Attachment to C-108
June 28, 1990
Page -3-

Well: BTA Oil Producers
Lovington #1

Location: 2130' FNL & 1980' FEL
-G-, Sec. 17, T16S, R37E
Lea County, New Mexico

Type Well: Oil Producer

Construction: 13-3/8" @ 407' w/ 450 sk - Circ
8-5/8" @ 4100' w/1800 sk - Circ
5-1/2" @ 11750' w/2000 sk - Circ

Date Drilled: 01-06-90

Record of Completion: Perfs 11,486 - 11,528'
IPF 543 BO
Comp 02-20-90

Well: BTA Oil Producers
Lovington #2

Location: 1980' FNL & 810' FEL
-H-, Sec. 17, T16S, R37E
Lea County, New Mexico

Type Well: Oil Producer

Construction: 13-3/8" @ 418' w/ 450 sk - Circ
8-5/8" @ 4115' w/1900 sk - Circ
5-1/2" @ 11030' w/2000 sk - TOC @ 800'

Date Drilled: 03-27-90

Record of Completion: Perfs 11,474 - 11,508'
IPF 538 BO
Comp 04-25-90

VII. Proposed Operation

Storage tanks will be located on the well site along with a powered salt water disposal pump. A salt water gathering system will transport from our tank battery, located at our 8903 Lovington #1 well, 1900 feet southwest. At the present time, only the Lovington #2 well is producing water at a rate of 95 barrels per day. If the wells' disposal capacity is such to handle additional water, other operator's wells in the area may be trucked in to the storage tanks. The system will be open.

The average injection rate is estimated at 500 BWPD.

The proposed maximum injection rate is 1000 BWPD.

The proposed average injection pressure is 1000 psi.

The proposed maximum injection pressure is 1250 psi.

The sources of injected water will be from the Strawn.

VIII.

Geological Name: Yates Sand

Lithological Detail: Sandstone, red, fine - medium grained, fair to good porosity, interbedded with anhydrite, medium-well sorted.

Thickness: 700'

Depth: 3294 - 4000'

Geological Data of Drinking Water Zone: The underground source of drinking water overlying the zone of disposal is the Ogalla, which occurs from 50 to 250 feet and is approximately 200' thick.

IX. Proposed Stimulation Program

Perforate Zone 3300-4000'
Acidize Zone w/3500 gal 15% HCl

X. Logs were previously filed by original operator:

Harvey Yates Co.

XI. Analysis of fresh water well attached:

Exhibit -B- Column No. 1
(only water well within one mile)

Lovington, 8903 JV-P, No. 3-SWD
Lea County, NM
Attachment to C-108
June 28, 1990
Page -5-

- XII. After examining all available geological and engineering data, we find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

- XIII. A copy of our application has been furnished by certified mail to the surface owner and to each leasehold operator within one-half mile of our proposed injection well. See listing on Exhibit -C-.

EXHIBIT -A-

BTA OIL PRODUCERS
Lovington, 8903 JV-P

No. 3-SWD

660' FNL & 760' FEL

-A-, Sec. 17, T16S, R37E

Lea County, NM

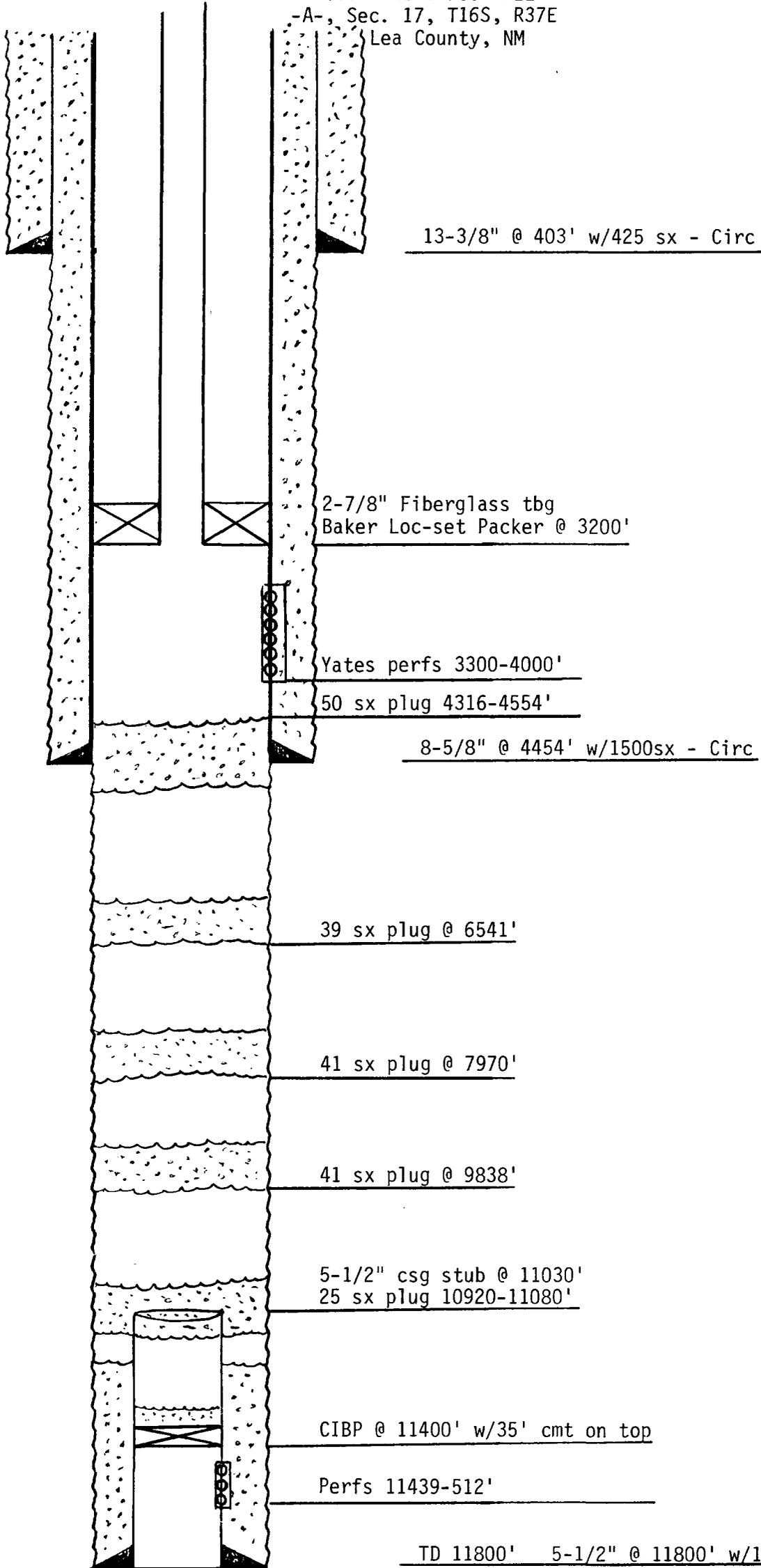


EXHIBIT -C-

ETA OIL PRODUCERS
Lovington, 8903 JV-P
Well No. 3
Lea County, NM

Surface Owner: Mrs. Vickie Norice Harris
Route 1, Box 33
Plains, Texas 79355

Offset leasehold Operators within one-half mile of the well location:

Amerada Hess Corporation
1201 Louisiana, Suite 700
Houston, Texas 77002
Attn: Mr. J. Y. Christopher

Pennzoil Exploration Production Co.
700 Milam
Houston, Texas 77252
Attn: Mr. K. Stanaland

Nearburg Producing Company
402 E. Illinois, Suite 300
Midland, Texas 79701
Attn: Mr. Mark Nearburg

Matador Petroleum Corporation
8340 Meadow Road, Suite 158
Dallas, Texas 75231
Attn: Mr. Joe A. Young

Yates Energy Corporation
500 N. Main, Suite 1010
Roswell, NM 88202
Attn: Ms. Shari Hamilton

I hereby certify the above were mailed copies of our application
on June 28, 1990, by certified mail.


Dorothy Houghton

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Notice Of Application For Sale
Water Disposal

and numbered in the Court of Lea County, New Mexico, was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, once each week on the same day of the week, for one (1)

consecutive weeks, beginning with the issue of
June 29, 1990

and ending with the issue of
June 29, 1990.

And that the cost of publishing said notice is the sum of \$ 7.98

which sum has been (Paid) ~~Assessed~~ as Court Costs

Joyce Clemens

Subscribed and sworn to before me this 10th
day of May, 1990.

Mrs Jean Serien
Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 1990

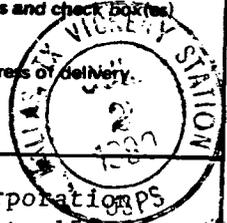
LEGAL NOTICE
NOTICE OF APPLICATION FOR
SALT WATER DISPOSAL
BTA Oil Producers, 104 E. ...
Midland, Texas, 79701, 915-...
Dorothy Houghton, Regulatory
Administrator, 104 E. ...
New Mexico Highway and ...
for a permit to dispose of ...
a formation which may contain ...
or gas.
The applicant proposes to ...
into the Yates formation, Lovington
JV-P, Well No. 3-2. The proposed
well is located 600' PNL ...
Sec. 17, T16S, R27E in an ...
Yates field of Lea County, NM.
will be injected ...
depth interval of 2,500' to ...
maximum injection rate of 100 ...
with average injection pressure of 1,200
psi.
Interested parties must file ...
or requests for hearing with the
Conservation Division, P.O. ...
Santa Fe, N.M. 87505 within ...
Published in the Lovington Daily Leader
June 29, 1990.

PS Form 3811, July 1983 447-945

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1. Show to whom, date and address of delivery.
- 2. Restricted Delivery.



3. Article Addressed to:
 Matador Petroleum Corporation
 8340 Meadow Road, Suite 158
 Dallas, TX 75231

Attn: Mr. Joe A. Young

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 143 451 818

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X

6. Signature - Agent
X *T White*

7. Date of Delivery
7/2/90

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-945

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1. Show to whom, date and address of delivery.
- 2. Restricted Delivery.

3. Article Addressed to:
 Yates Energy Corporation
 Attn: Ms. Shari Hamilton
 500 N. Main, Suite 1010
 Roswell, NM 88202

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 143 451 819

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X

6. Signature - Agent
X *Christina P Wilson*

7. Date of Delivery
7-2-90

8. Addressee's Address (ONLY if requested and fee paid)
*PO Box 2323
Roswell NM 88202*

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-945

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 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:
 Amerada Hess Corporation
 Attn: Mr. J.Y. Christopher
 1201 Louisiana, Suite 700
 Houston, TX 77002

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 143 451 586

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
 X

6. Signature - Agent
 X *Jan Jones*

7. Date of Delivery
 7 0390

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-945

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1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:
 Mrs. Vickie Norice Harris
 Route 1, Box 33
 Plains, TX 79355

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P-143-451-574

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
 X *Norice Harris*

6. Signature - Agent
 X

7. Date of Delivery
 6-29-90

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT



PS Form 3811, July 1983 447-945

SENDER: Complete items 1, 2, 3 and 4.
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:
 Nearburg Producing Company
 Attn: Mr. Mark Nearburg
 402 E Illinois, Suite 300
 Midland, TX 79701

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 143 451 817

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
 X *Angela Franzen*

6. Signature - Agent
 X

7. Date of Delivery
 6/29

8. Addressee's Address (ONLY if requested and fee paid)
 401 E Illinois #800

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-945

SENDER: Complete items 1, 2, 3 and 4.
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:
 Pennzoil Exploration Production Co.
 Attn: Mr. K. Stanaland
 700 Milam
 Houston, TX 77252

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 143 451 816

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
 X *[Signature]*

6. Signature - Agent
 X

7. Date of Delivery
 JUL 2 - 1990

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT



OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

RECEIVED ENERGY AND MINERALS DEPARTMENT

'90 JUL 16 AM 9:33 OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

7-11-90

GARREY CARRUTHERS 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 X
WFX
PMX

Gentlemen:

I have examined the application for the:

BTA Oil Producers Lovington 5403 JV-P #3-A 17-16-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows: (Formerly Yates, E. Lovington 17 St. #1)

Oil

Yours very truly,

Jerry Sexton

Jerry Sexton Supervisor, District 1

/ed



STATE OF NEW MEXICO OIL CONSERVATION DIVISION
 ENERGY AND MINERALS DEPARTMENT
 OIL CONSERVATION DIVISION
 HOBBS DISTRICT OFFICE

2-20-91

GARREY CARRUTHERS
 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 amend SWD 393
- WFX _____
- PMX _____

Gentlemen:

I have examined the application for the:

BTA oil Producers Lovington 8903 JWP #3-A 17-16-37
 Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

not enough data to make rec

Yours very truly,

Jerry Sexton
 Supervisor, District 1

/ed