

HARVARD PETROLEUM CORPORATION

TELEPHONE 505 623-1581

P.O. BOX 936

ROSWELL, NEW MEXICO 88202

August 4, 1992

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504


ATTN: Mr. David Catanach

RE: West Triste Draw Prospect
James Federal #1
Proposed Salt Water Disposal Conversion
T23S-R32E N.M.P.M.
Section 29: SW SE
Lea County, New Mexico

Dear Mr. Catanach:

By cover letter dated July 29, 1992 I submitted a C-108 on the captioned. Article X indicated that a cement bond log was enclosed. It was not known until now that the instruments were apparently not enclosed. Therefore we have enclosed a Compensated Neutron Log and Cement Bond Log for your review. We apologize for any inconvenience this may have caused.

Very truly yours,
HARVARD PETROLEUM CORPORATION


Jim Ball
Land Manager

Enclosure
JB/pxa



RECEIVED JUL 13 1992

Chemical Company

P. O. Box 1306 • Phone (505) 746-6611

Artesia, New Mexico 88210

WATER ANALYSIS REPORT

Company HARVARD PET Date 7-9-92
Field _____ County LEA State CO.
Lease and Well No. JAMES FED #2 Prod. Formation _____
Source of Sample WELL HEAD
Sample of Prod. Water ☒ Inj. Water ☐ Other ☐
Date Collected 7-9-92 Analyst G/KJ

WATER ANALYSIS PATTERN
(NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)

Na ⁺ 20	15	10	5	0	5	10	15	20 Cl ⁻
Ca ⁺⁺								HCO ₃ ⁻
Mg ⁺⁺								SO ₄ ⁼
Fe ⁺⁺⁺								CO ₃ ⁼

Dissolved Solids
Constituent

MG/L (PPM)

EPM

Calcium 1760
Magnesium 1340
Sodium _____
Iron 1.5
Chloride 59400
Bicarbonate 618
Carbonate 0
Sulfate 1372

ph 7.35
Sp. Gravity _____

Total Hardness 3100
Total Dissolved Solids 64490
Hydrogen Sulfide NIL
Oxygen 1.0

Remarks:



Chemical Company

P. O. Box 1306 • Phone (505) 746-6611

Artesia, New Mexico 88210

WATER ANALYSIS REPORT

Company HARVARD PET Date 7-9-92
Field _____ County LEA State NM
Lease and Well No. Amoco I.G. #1 Prod. Formation _____
Source of Sample WELL HEAD
Sample of Prod. Water ☒ Inj. Water ☐ Other ☐
Date Collected 7-9 Analyst G.K.I.

WATER ANALYSIS PATTERN (NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)

Na ⁺ 20	15	10	5	0	5	10	15	20 Cl ⁻
Ca ⁺⁺								HCO ₃ ⁻
Mg ⁺⁺								SO ₄ ⁼
Fe ⁺⁺⁺								CO ₃ ⁼

Dissolved Solids
Constituent

MG/L (PPM)

EPM

Calcium 2325
Magnesium 4155
Sodium _____
Iron NIL
Chloride 55,000
Bicarbonate 410
Carbonate 0
Sulfate 1118

Total Hardness 6480
Total Dissolved Solids _____
Hydrogen Sulfide NIL
Oxygen NIL

ph 7.10
Sp. Gravity _____

Remarks:

ATTACHMENT F



Chemical Company

P. O. Box 1306 • Phone (505) 746-6611

Artesia, New Mexico 88210

WATER ANALYSIS REPORT

Company HARVARD PET Date 7-9-92

Field _____ County LEA State NM

Lease and Well No. JAMES FED #1 Prod. Formation _____

Source of Sample WELL

Sample of Prod. Water ☐ Inj. Water ☐ Other ☐

Date Collected 7-9- Analyst G.K.J.

WATER ANALYSIS PATTERN (NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)

Na ⁺ 20	15	10	5	0	5	10	15	20 Cl ⁻
Ca ⁺⁺								HCO ₃ ⁻
Mg ⁺⁺								SO ₄ ⁼
Fe ⁺⁺⁺								CO ₃ ⁼

Dissolved Solids
Constituent

MG/L (PPM)

EPM

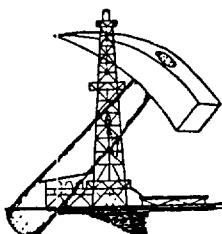
Calcium 1324
Magnesium 832
Sodium _____
Iron NIL
Chloride 63450
Bicarbonate 823
Carbonate NIL
Sulfate 954

Total Hardness 2165
Total Dissolved Solids 62392
Hydrogen Sulfide NIL
Oxygen NIL

ph 7.65
Sp. Gravity _____

Remarks:

ATTACHMENT G



HARVARD PETROLEUM CORPORATION

TELEPHONE 505 623-1581

P.O. BOX 936

ROSWELL, NEW MEXICO 88202

July 24, 1992

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

ATTN: Ms. Mecca Mauritsen

CERTIFIED RETURN RECEIPT
P 144 791 691

RE: West Triste Draw Prospect
James Federal #1
T23S-R32E N.M.P.M.
Section: 29 810' FSL & 1830' FEL
Lea County, New Mexico

Ladies & Gentlemen:

Our records show you are an offset leasehold operator within one-half mile of Harvard Petroleum Corporation's captioned wellbore.

Enclosed is a copy of form C-108 (Application for Authority to Inject) on Harvard's James Federal #1 located in Unit O of Section 29-T23S-R32E.

Should you have any questions, please feel free to contact the undersigned or Mr. Jeff Harvard at (505) 623-1581.

Very truly yours,
HARVARD PETROLEUM CORPORATION


Jim Ball
Land Manager

Enclosure
JB/pxa

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Gates Petroleum Corp.
Attn: Mecca Mauritsen
105 South 4th Street
Artesia, NM 88210

4a. Article Number

P 144 791 691

4b. Service Type

- ☐ Registered ☐ Insured
- ☒ Certified ☐ COD
- ☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

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

6. Signature (Agent)

PS Form 3811, November 1990

★ U.S. GPO: 1991-287-066

DOMESTIC RETURN RECEIPT

Thank you for using
Return Receipt Service.

P 144 791 691

**Receipt for
Certified Mail**



No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	Gates Petroleum Corp.
Street and No.	105 S 4th Street
P.O. State and ZIP Code	Artesia, NM 88210
Postage	\$ 2.29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.00
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 2.29
Postmark or Date	

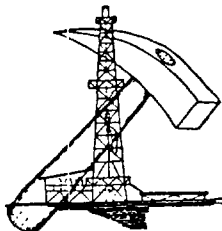
PS Form 3800, June 1991

Fold at line over top of envelope to the right of the return address

CERTIFIED

P 144 791 691

MAIL



HARVARD PETROLEUM CORPORATION

TELEPHONE 505 623-1581

P.O. BOX 936

ROSWELL, NEW MEXICO 88202

July 24, 1992

Charlie F. James
1207 West Riverside Drive
Carlsbad, New Mexico 88220

CERTIFIED RETURN RECEIPT
P 144 791 690

RE: Harvard's West Triste Draw Prospect
T23S-R32E N.M.P.M.
Section 29: SW/4 SE/4
Lea County, New Mexico

Dear Mr. James:

Our records show you are the grazing leasee through a BLM grazing lease under Harvard Petroleum Corporation's James Federal #1 location. The James Federal #1 location is more particularly described as:

T23S-R32E N.M.P.M.
Section 29: 810' FSL & 1830' FEL
Lea County, New Mexico

Harvard Petroleum Corporation drilled the well earlier this year and plans to convert the well to a salt water disposal well.

We have enclosed a copy of form C-108 (Application for Authority to Inject) on Harvard's James Federal #1 located in Unit O of Section 29-T23S-R32E.

Should you have any questions, please feel free to contact the undersigned or Mr. Jeff Harvard at (505) 623-1581.

Very truly yours,
HARVARD PETROLEUM CORPORATION


Jim Ball
Land Manager

Enclosure
JB/pxa

Is your RETURN ADDRESS
completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Charlie F. James
1207W. Riverside Dr.
Carlsbad, N.M. 88201

4a. Article Number

P 144 791 690

4b. Service Type

- | | |
|---|---|
| <input type="checkbox"/> Registered | <input type="checkbox"/> Insured |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

5. Signature (Addressee)

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

6. Signature (Agent)

PS Form 3811, November 1990 *U.S. GPO: 1991-287-066

DOMESTIC RETURN RECEIPT

Thank you for using
Return Receipt Service.

P 144 791 690

**Receipt for
Certified Mail**



No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to		Charlie F. James	
Street and No.		1207W. Riverside Dr.	
P.O. Code and ZIP Code		Carlsbad, N.M. 88201	
Postage	\$	1.29	
Certificate Fee		1.00	
Special Delivery Fee			
Restricted Delivery Fee			
Return Receipt Showing to Whom & Date Delivered		1.00	
Return Receipt Showing to Whom, Date, and Addressee's Address			
TOTAL Postage & Fees	\$	2.29	
Postmark or Date			

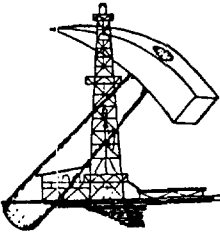
PS Form 3800, June 1991

Fold at line over top of envelope to the
right of the return address

CERTIFIED

P 144 791 690

MAIL



HARVARD PETROLEUM CORPORATION

TELEPHONE 505 623-1581

P.O. BOX 936

ROSWELL, NEW MEXICO 88202

July 24, 1992

Santa Fe Energy Operating Partners, L.P.
550 West Texas Suite 1330
Midland, Texas 79701

CERTIFIED RETURN RECEIPT
P 144 791 687

RE: West Triste Draw Prospect
James Federal #1
T23S-R32E N.M.P.M.
Section: 29 810' FSL & 1830' FEL
Lea County, New Mexico

Ladies & Gentlemen:

Our records show you are an offset leasehold operator within one-half mile of Harvard Petroleum Corporation's captioned wellbore.

Enclosed is a copy of form C-108 (Application for Authority to Inject) on Harvard's James Federal #1 located in Unit O of Section 29-T23S-R32E.

Should you have any questions, please feel free to contact the undersigned or Mr. Jeff Harvard at (505) 623-1581.

Very truly yours,
HARVARD PETROLEUM CORPORATION



Jim Ball
Land Manager

Enclosure
JB/pxa

Is your RETURN ADDRESS
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SENDER

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- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Santa Fe Energy Operating
250 W. Texas, Suite 1330
Midland, Texas 79701

4a. Article Number

P 144 791 687

4b. Service Type

- | | |
|---|---|
| <input type="checkbox"/> Registered | <input type="checkbox"/> Insured |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

5. Signature (Addressee)

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

6. Signature (Agent)

PS Form 3811, November 1990 *U.S. GPO: 1991-287-068

DOMESTIC RETURN RECEIPT

Thank you for using
Return Receipt Service.

P 144 791 687

Receipt for Certified Mail



No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	Santa Fe Energy Operating
Street and No.	250 W. Texas, Suite 1330
P.O. Office and Zip Code	Midland, TX 79701
Package	
Certified Fee	\$.29
Special Delivery Fee	1.00
Restricted Delivery Fee	1.00
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 2.29
Postmark or Date	

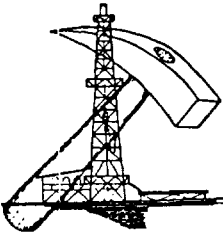
PS Form 3800, June 1991

Fold at line over top of envelope to the
right of the return address

CERTIFIED

P 144 791 687

MAIL



HARVARD PETROLEUM CORPORATION

TELEPHONE 505 623-1581

P.O. BOX 936

ROSWELL, NEW MEXICO 88202

July 24, 1992

Amoco Production Company
P. O. Box 3092
Houston, Texas 77253

CERTIFIED RETURN RECEIPT
P 144 791 688

RE: West Triste Draw Prospect
James Federal #1
T23S-R32E N.M.P.M.
Section: 29 810' FSL & 1830' FEL
Lea County, New Mexico

Ladies & Gentlemen:

Our records show you are an offset leasehold operator within one-half mile of Harvard Petroleum Corporation's captioned wellbore.

Enclosed is a copy of form C-108 (Application for Authority to Inject) on Harvard's James Federal #1 located in Unit O of Section 29-T23S-R32E.

Should you have any questions, please feel free to contact the undersigned or Mr. Jeff Harvard at (505) 623-1581.

Very truly yours,
HARVARD PETROLEUM CORPORATION


Jim Bail
Land Manager

Enclosure
JB/pxa

Is your RETURN ADDRESS
completed on the reverse side?

SENDER:

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- Complete items 3, and 4a & b.
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- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Amoco Production Company
P.O. Box 3092
Houston, Texas 77253

4a. Article Number

P 144 791 688

4b. Service Type

- | | |
|---|---|
| <input type="checkbox"/> Registered | <input type="checkbox"/> Insured |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

5. Signature (Addressee)

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

6. Signature (Agent)

PS Form 3811, November 1990 ★ U.S. GPO: 1991-287-066

DOMESTIC RETURN RECEIPT

Thank you for using
Return Receipt Service.

PS Form 3800, June 1991

Fold at line over top of envelope to the
right of the return address

CERTIFIED

MAIL

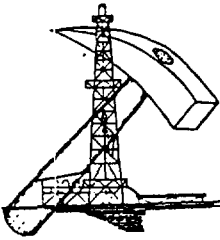
P 144 791 688

**Receipt for
Certified Mail**
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

P 144 791 688

Sent to Amoco Production Company P.O. Box 3092 Houston, Texas 77253	
Postage	\$.29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	1.00
Return Receipt (Shipping to Addressee & Post-Office only)	
Return Receipt (Shipping to Addressee, Post-Office, and Addressed to Addressee)	
Return Receipt (Shipping to Addressee & Post-Office only)	
Postage on Date	\$ 2.29

ATTACHMENT H



HARVARD PETROLEUM CORPORATION

TELEPHONE 505 623-1581

P.O. BOX 936

ROSWELL, NEW MEXICO 88202

July 23, 1992

Lovington Daily Leader
P. O. Drawer 1717
Lovington, New Mexico 88260

ATTN: Debbie

Dear Debbie:

Harvard 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 Tuesday July 28, 1992 and forward a copy of it along with your billing as soon as possible to:

Harvard Petroleum Corporation
P. O. Box 936
Roswell, New Mexico 88202-0936
ATTN: Jim Ball or Jeff Harvard

If you have any questions, please contact me at (505) 623-1581.
Thank you for your cooperation in this matter.

Sincerely,
HARVARD PETROLEUM CORPORATION



Jim Ball
Land Manager

JB/pxa

Legal Notice

Harvard Petroleum Corporation, P. O. Box 936, Roswell, NM 88202-0936, 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 "James Federal #1" located 810' FSL & 1830' FEL of Section 29, Township 23 South, Range 32 East of Lea County, New Mexico, will be used for saltwater disposal only. Disposal waters from the Delaware will be re-injected into the Delaware formation at a depth of 4844-4944 feet with a maximum pressure of 1,000 psi and a maximum rate of 5,000 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 Jeff Harvard or Jim Ball at (505) 623-1581.

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

Legal Notice

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) day

~~consecutive weeks~~ beginning with the issue of

July 28, 1992

and ending with the issue of

July 28, 1992

And that the cost of publishing said notice is the sum of \$10.03

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

Subscribed and sworn to before me this 28th

day of July, 1992

Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 1994

LEGAL NOTICE

Harvard Petroleum Corporation, P.O. Box 936, Roswell, NM 88202-0936, 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 "James Federal #1" located 810' FSL & 1830' FEL of Section 29, Township 23 South, Range 32 East of Lea County, New Mexico, will be used for saltwater disposal only. Disposal waters from the Delaware will be re-injected into the Delaware formation at a depth of 4844-4944 feet with a maximum pressure of 1,000 psi and a maximum rate of 5,000 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 Jeff Harvard or Jim Ball at (505) 823-1581. Published in the Lovington Daily Leader July 28, 1992.