



Texaco Exploration and Production Inc.
Domestic Business Unit

500 North Loraine
Midland TX 79701

P.O. Box 3109
Midland TX 79702

AMEND SWD

10/20/00

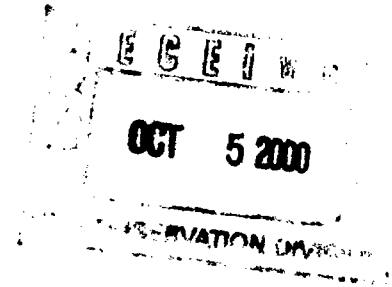
29339394

September 19, 2000

NMOCD
2040 South Pacheco
Santa Fe, New Mexico 87505

Attn : Mr. Mark Ashley

RE : Amendment to Administrative Order SWD-626
Remuda Basin 19 Federal #2 (30-015-28901)
510' FNL & 1780' FEL, Unit Letter B, Section 19, T-23-S, R-30-E
Eddy County, New Mexico



Dear Mr. Ashley,

Texaco Exploration & Production, Inc. respectfully requests administrative approval for the attached amendment to Administrative Order SWD-626 for the purpose of disposing of produced fluids into additional non-commercial Bell Canyon and Cherry Canyon intervals. The current disposal formation is the Bell Canyon at a depth from 3402 feet to 3912 feet below the surface of the earth. The requested amended disposal formation is the Bell Canyon and Cherry Canyon at a depth from 3402 feet to 4634 feet below the surface of the earth. This work will allow Texaco to eliminate current water disposal costs associated with the subject lease. Addition of the subject injection intervals to this SWD well will lower the lease's economic limit and allow Texaco to recover additional oil and gas reserves that would otherwise be left in place.

In order to facilitate the approval of the amendment, Mr. Catanach recommended that Texaco notify offset operators of its requested amendment, submit public notice of its requested amendment, provide a letter or procedure describing the proposed activity, and provide a geologic description certifying that no commercial hydrocarbon accumulations can be found in the proposed injection intervals. Please find these items attached.

This well is located at Unit Letter B : Section 19, T-23-S, R-30-E. Texaco respectfully requests that this application approved administratively at the earliest possible convenience so that operations can be advanced in a prudent manner. If you have any questions concerning this amendment, please contact me at (915) 688-4862.

Sincerely,

Jason Wacker
Production Engineer



Texaco Exploration and Production Inc.
Permian Business Unit

500 North Loraine
Midland TX 79701

P O Box 3109
Midland TX 79702

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

September 26, 2000

Amendment to Administrative Order SWD-626
Remuda Basin 19 Federal #2
510' FNL & 1780' FEL, Unit Letter B, Section 19, T-23-S, R-30-E
Eddy County, New Mexico

Strata Production Company
Attn: Land Department
P. O. Box 1030
Roswell, NM 88201

Gentlemen:

Texaco Exploration and Production Inc. plans to request administrative approval for an amendment to Administrative Order SWD-626 for the purpose of disposing of produced fluids into additional non-commercial Bell Canyon and Cherry Canyon intervals. The current disposal formation is the Bell Canyon at a depth from 3402 feet to 3912 feet below the surface of the earth. The amended disposal formation will be the Bell Canyon and Cherry Canyon at a depth from 3402 feet to 4634 feet below the surface of the earth. Expected maximum injection rate is 2000 barrels of water per day and expected maximum surface injection pressure is 925 pounds per square inch. Injection will be through plastic lined tubing, below a packer at approximately 3350 feet. The system will be closed. This work is part of an ongoing development project.

Attached is a copy of our letter, requesting this amendment to Administrative Order SWD-626.

You are receiving notification of Texaco's amendment to Administrative Order SWD-626 as an offset operator within one-half mile of the subject well. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico, 87501, within fifteen (15) days of this notice. If you have any questions concerning this amendment, please contact the undersigned at (915) 688-4862.

Sincerely,

Jason Wacker
Production Engineer

Attachment



Texaco Exploration and Production Inc.
Permian Business Unit

500 North Loraine
Midland TX 79701

P O Box 3109
Midland TX 79702

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

September 19, 2000

Amendment to Administrative Order SWD-626
Remuda Basin 19 Federal #2
510' FNL & 1780' FEL, Unit Letter B, Section 19, T-23-S, R-30-E
Eddy County, New Mexico

Bass Enterprises Production Company
Attn: Mr. J. Wayne Bailey
201 Main St.
Fort Worth, TX 76102-3131


Gentlemen:

Texaco Exploration and Production Inc. plans to request administrative approval for an amendment to Administrative Order SWD-626 for the purpose of disposing of produced fluids into additional non-commercial Bell Canyon and Cherry Canyon intervals. The current disposal formation is the Bell Canyon at a depth from 3402 feet to 3912 feet below the surface of the earth. The amended disposal formation will be the Bell Canyon and Cherry Canyon at a depth from 3402 feet to 4634 feet below the surface of the earth. Expected maximum injection rate is 2000 barrels of water per day and expected maximum surface injection pressure is 925 pounds per square inch. Injection will be through plastic lined tubing, below a packer at approximately 3350 feet. The system will be closed. This work is part of an ongoing development project.

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Sincerely,


Jason Wacker
Production Engineer

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Texaco Exploration and Production Inc.
Permian Business Unit

500 North Loraine
Midland TX 79701

P O Box 3109
Midland TX 79702

**CERTIFIED MAIL
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September 19, 2000

Amendment to Administrative Order SWD-626
Remuda Basin 19 Federal #2
510' FNL & 1780' FEL, Unit Letter B, Section 19, T-23-S, R-30-E
Eddy County, New Mexico

Yates Petroleum Corporation
Attn: Mr. Robert Bullock
105 S. 4th Street
Artesia, NM 88210

Gentlemen:

Texaco Exploration and Production Inc. plans to request administrative approval for an amendment to Administrative Order SWD-626 for the purpose of disposing of produced fluids into additional non-commercial Bell Canyon and Cherry Canyon intervals. The current disposal formation is the Bell Canyon at a depth from 3402 feet to 3912 feet below the surface of the earth. The amended disposal formation will be the Bell Canyon and Cherry Canyon at a depth from 3402 feet to 4634 feet below the surface of the earth. Expected maximum injection rate is 2000 barrels of water per day and expected maximum surface injection pressure is 925 pounds per square inch. Injection will be through plastic lined tubing, below a packer at approximately 3350 feet. The system will be closed. This work is part of an ongoing development project.

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Sincerely,

Jason Wacker
Production Engineer

Attachment



Texaco Exploration and Production Inc.
Permian Business Unit

500 North Loraine
Midland TX 79701

P O Box 3109
Midland TX 79702

**CERTIFIED MAIL
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September 19, 2000

Amendment to Administrative Order SWD-626
Remuda Basin 19 Federal #2
510' FNL & 1780' FEL, Unit Letter B, Section 19, T-23-S, R-30-E
Eddy County, New Mexico

Devon Energy Production Company
Attn: Mr. Ken Wilpitz
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102-8260

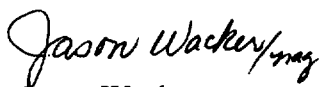
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Sincerely,


Jason Wacker
Production Engineer

Attachment



Texaco Exploration and Production Inc.
Permian Business Unit

500 North Loraine
Midland TX 79701

P O Box 3109
Midland TX 79702

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

September 19, 2000

Amendment to Administrative Order SWD-626
Remuda Basin 19 Federal #2
510' FNL & 1780' FEL, Unit Letter B, Section 19, T-23-S, R-30-E
Eddy County, New Mexico

Bargo Petroleum Corporation
Attn: Land Department
700 Louisiana, Suite 3700
Houston, TX 77002

Gentlemen:

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Sincerely,

Jason Wacker
Production Engineer

Attachment

Offset Operators
Remuda Basin "19" Federal #2 SWD well
Section 19, T23S-R30E, Eddy County, NM

Yates Petroleum Corporation
Attn: Mr. Robert Bullock
105 S. 4th Street
Artesia, NM 88210

Bargo Petroleum Corporation
Attn: Land Department
700 Louisiana, Suite 3700
Houston, TX 77002

Devon Energy Production Company
Attn: Mr. Ken Wilpitz
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102-8260

Bass Enterprises Production Company
Attn: Mr. J. Wayne Bailey
201 Main St.
Fort Worth, TX 76102-3131

Nash Unit – S/2 of Section 18
Strata Production Company
P. O. Box 1030
Roswell, NM 88201

Affidavit of Publication

No 20902

State of New Mexico,
County of Eddy, ss.

Amy McKay

being first duly sworn, on oath says:

That she is Business Manager
of the Carlsbad Current-Argus, a newspaper published
daily at the City of Carlsbad, in said county of Eddy, state
of New Mexico and of general paid circulation in said coun-
ty; that the same is a duly qualified newspaper under the
laws of the State wherein legal notices and advertisements
may be published; that the printed notice attached hereto
was published in the regular and entire edition of said
newspaper and not in supplement thereof on the date as
follows, to wit:

<u>September 21</u>	<u>2000</u>
<u></u>	<u>2000</u>
<u></u>	<u>2000</u>
<u></u>	<u>2000</u>
<u></u>	<u>2000</u>
<u></u>	<u>2000</u>

That the cost of publication is \$ 48.41,
and that payment thereof has been made and will be
assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

19 day of September, 2000
Sherraine Roberts

My commission expires 5/25/03
Notary Public

September 21, 2000

Notice is hereby given of
the application of Texaco
Exploration & Production,
Inc., (Attention: Herbert
Jason Wacker, Carlsbad
FMT Production Engineer,
P.O. Box 3109, Midland,
Texas, 79702, Telephone
(915) 688-4100), to the
New Mexico Oil Conserva-
tion Commission, Energy
and Minerals Department,
for approval of the follow-
ing amendment to Admin-
istrative Order SWD-626.

Texaco E&P, Inc. plans to
add several injection inter-
vals to the salt water dis-
posal well established under
Administrative Order
SWD-626:

Lease/Unit Name:
Remuda Basin 19
Federal

Well Numbers and Loca-
tion(s): #2 - Unit Letter B,
510' FNL & 1580' FEL,
Section 19, T-23-S,
R-30-E, Eddy County,
New Mexico.

The current disposal for-
mation is the Bell Canyon
at a depth from 3402 feet
to 3912 feet below the
surface of the earth. The
amended disposal forma-
tion will be the Bell Can-
yon and Cherry Canyon at
a depth from 3402 feet to
4634 feet below the sur-
face of the earth. Expect-
ed maximum injection rate
is 2000 barrels of water
per day and expected
maximum surface injec-
t i o n
pressure is 925 pounds

per square inch. Injection
will be through plastic
lined tubing, below a pack-
er at approximately 3350
feet. The system will be
closed. This work is part
of an ongoing development
project. Interested
parties must file objections
or requests for hearing
with the New Mexico Oil
Conservation Division,
P.O. Box 2088, Santa Fe,
New Mexico, 87501, within
fifteen (15) days of this
publication.

Remuda Basin 19 Federal #2
510' FNL & 1780' FEL, B-19-23S-30E
Eddy County, New Mexico

9/15/00

Add Bell Canyon and Cherry Canyon Injection Intervals

Well Data

Tubing: 2-7/8" Casing: 17# & 15.5#, 5-1/2" @ 7650'
TD: 7650' PBTD: 3975' Elevation: 3078' GR 11.6' KB

Injection Perforations:

Bell Canyon 3402' - 3520' & 3730' - 3912'

CIBP at 4010' with 35' of cement on top

CIBP at 6525' with 35' of cement on top

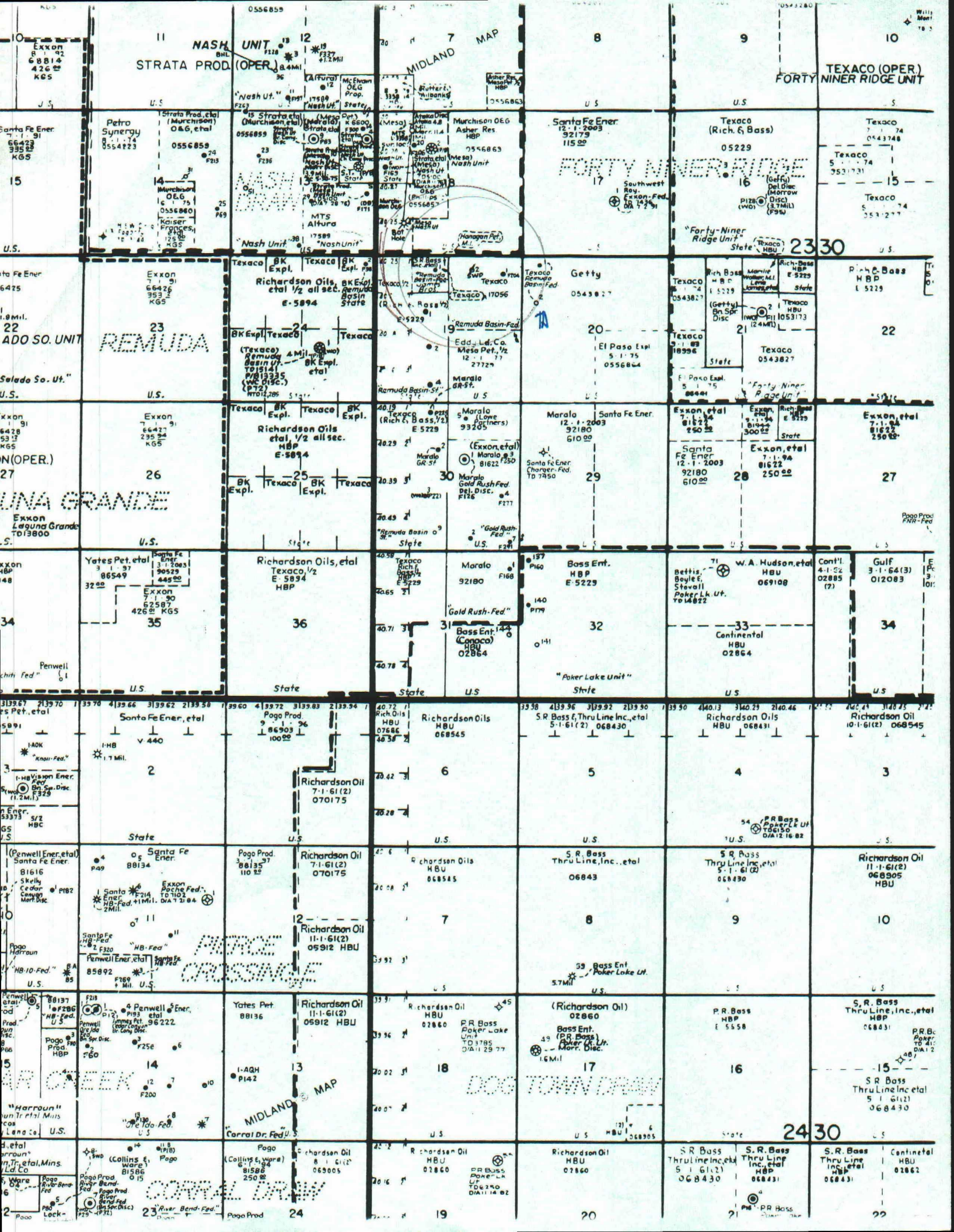
Plugged Back Perforations:

Brushy Canyon 6558' - 6568', 6580' - 6590', & 7056' - 7098'

Procedure

1. Rig up pulling unit. ND wellhead. NU BOP. Unset injection packer. Visually inspect injection tubing out of hole.
2. TIH with bit and drill collars on 2-7/8" workstring. Rig up reverse unit. Clean out CIBP at 4010' with 35' of cement on top. Push CIBP to 4700'. TOH with bit and collars.
3. Rig up Schlumberger. Run GR/CBL log from 4675' to 3200'. Check cement bond around DV tool at 4026'. Omit affected perforations if no cement is found behind pipe. Perforate the Cherry Canyon intervals 4609' - 4634', 4579' - 4588', 4555' - 4575', 4255' - 4280', & 4165' - 4192' with 4" HEGS perforating guns, 2 spf. Perforate the Bell Canyon intervals 4048' - 4095' & 4012' - 4035' with 4" HEGS perforating guns, 2 spf. Rig down Schlumberger.
4. TIH with 5-1/2" X 2-7/8", 15.5# - 17# full bore treating packer on 2-7/8" workstring. Set packer at +/- 4500'.
5. Acidize Cherry Canyon perforations 4555' - 4575', 4579' - 4588', & 4609' - 4634' with 2,700 gal 15% HCl with ball sealers as diverter. Average injection rate should be 4 to 6 BPM. Flush acid to bottom perforation with 2% KCl water. TOH with workstring and treating packer.
6. TIH with 5-1/2" X 2-7/8", 15.5# - 17# full bore treating packer and RBP on 2-7/8" workstring. Set RBP at +/- 4350'. Set packer at +/- 4130'.
7. Acidize Cherry Canyon perforations 4165' - 4192' & 4255' - 4280' with 2,700 gal 15% HCl with rock salt as diverter. Average injection rate should be 3 to 4 BPM. Flush acid to bottom perforation with 2% KCl water. Unset treating packer and RBP.

8. Pull up with 5-1/2" X 2-7/8", 15.5# - 17# full bore treating packer and RBP on 2-7/8" workstring. Set RBP at 4130'. Set packer at +/- 3960'.
9. Acidize Bell Canyon perforations 4012' – 4035' & 4048' – 4095' with 3,600 gal 15% HCl with rock salt as diverter. Average injection rate should be 3 to 4 BPM. Flush acid to bottom perforation with 2% KCl water. TOH with workstring, treating packer, and RBP.
10. TIH with injection packer and plastic lined tubing. Set packer. ND BOP. NU wellhead.
11. Return well to injection. Maximum injection rate is 2000 BWIPD at a maximum pressure of 925 psig at surface. Average injection rate is 1200 BWIPD at an average pressure of 900 psig at surface. The system will be closed. RD pulling unit. Monitor surface injection pressure and rate.



- VIII. The amended disposal interval will be the Bell Canyon and Cherry Canyon intervals of the Delaware formation at a depth from 3402 feet to 4634 feet below the surface of the earth.

The amended disposal interval has similar geologic characteristics to the previous disposal interval.

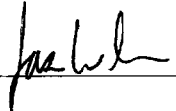
- XII. We have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

- 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: Jason Wacker

Title: Production Engineer

Signature: 

Date: 10/3/00

SENDER: COMPLETE THIS SECTION

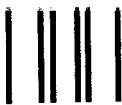
COMPLETE THIS SECTION ON DELIVERY

SENDER: COMPLETE THIS SECTION

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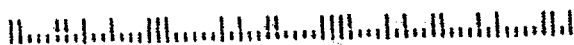
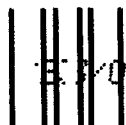
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Texas
Attn: Jason Wacker
P.O. Box 3109
Midland, Tx 79702

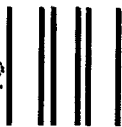
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P.O. Box 3109
Midland, Tx 79702

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USPS
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Texas
Attn: Jason Wacker
P.O. Box 3109
Midland, Tx 79702



UNITED STATES POSTAL SERVICE

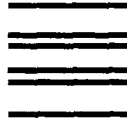


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USPS
Permit No. G-10

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Texaco
Attn: Jason Wacker
P.O. Box 3109
Midland, TX 79702

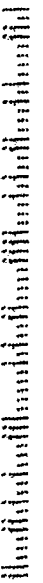
UNITED STATES POSTAL SERVICE
11 375 797 09/28/00 04:18



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Texaco E & P Inc.
Attn: Jason Wacker
P. O. Box 3109
Midland, Texas 79702



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Bargo Petroleum Corporation
Attn: Land Department
700 Louisiana, Suite 3700
Houston, Texas 77002

2. Article Number (Copy from service label) 7099 3220 0005 1113 3583

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery
James Ewald 9/25/00

C. Signature *James Ewald* Agent
☒ Addressee

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

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Strata Production Company
Attn: Land Department
P. O. Box 1030
Roswell, New Mexico 88201

2. Article Number (Copy from service label)

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature *Kevin Britt* Agent
☒ Addressee

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

