



SWD
776

5/30/00

May 10, 2000

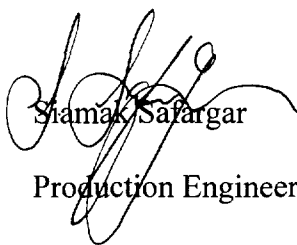
From: Texaco Exploration & Production Inc.
To: New Mexico Oil Conservation Division
Subject: Request for completing a disposal well

15

Dear Sir/Madam:

This letter is to request a permit to convert a temporary abandoned well to a water disposal well for the water management purposes. The proposed well is "New Mexico "Z" State NCT-1 Well #1" with the legal description of "Unit letter C - 660' FNL & 2200' FWL - Sec. 2 - Twp. 18S - Rng. 34E" in Lea County. As proposed, this well will be completed in the very bottom of the San Andres Formation, approximately from 4900' to 5700'.

In our application, we did not include the wellbore diagrams of all the wells within the regulatory distance (half a mile radius) from the aforementioned well in order to eliminate some redundancy. Texaco E&P Inc. has obtained injection permits within the same proximity of proposed well (as indicated in the attachment) in the past. However, we would gladly provide you with such information if needed. Please, do not hesitate to contact me at Tel: (505) 3970429 and/or safarms@texaco.com. Kind regards,


Shamak Safargar
Production Engineer

APPLICATION FOR AUTHORIZATION TO INJECT

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

✓ II. Operator: Texaco Exploration & Production Inc.

Address: 205 E. Bender Blvd. Hobbs, New Mexico 88240

Contact party: Siamak Safargar Phone: 505-3970429

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: Siamak Safargar Title Production Engineer

Signature:  Date: May 10, 2000

* 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.

Please refer to the attachments

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

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.

Attachment for Form C-108

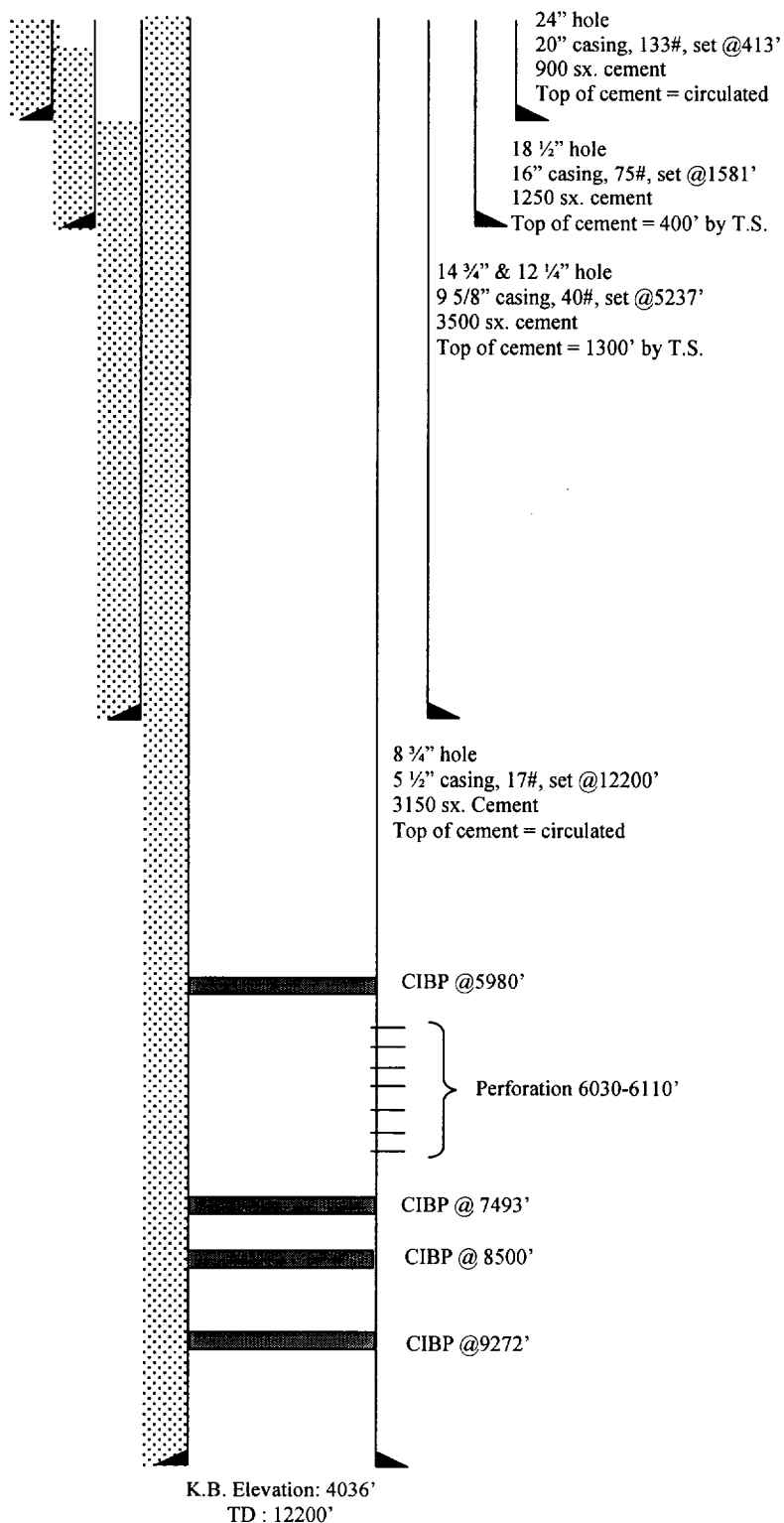
- VII. The initial injection pressure will be limited to about 1000 psi (0.2 psi/ft). Step-Rate-Test will be run to establish higher limits with the authorization of the NMOCD. The system will be closed.
- IX. Summary of the initial completion:
- * Perforate interval 4894-5010 with 2JSPF and 120 degree phasing
 - * Acidize the perforation under packer with 10,000 gals 20% NEFE
 - * Run 5 1/2" AD-1 packer and 2 3/8 Douline injection tubing
 - * Set packer @ +/- 4840' and conduct casing integrity test as per OCD guidelines.
- XII. Based on current geological and engineering data, no evidence of natural and/or artificially induced open faults occurs within or above the interval. No known communication has been observed between the injection zone and any subsurface source of drinking water.
- XIII. A copy of the legal notice is attached.

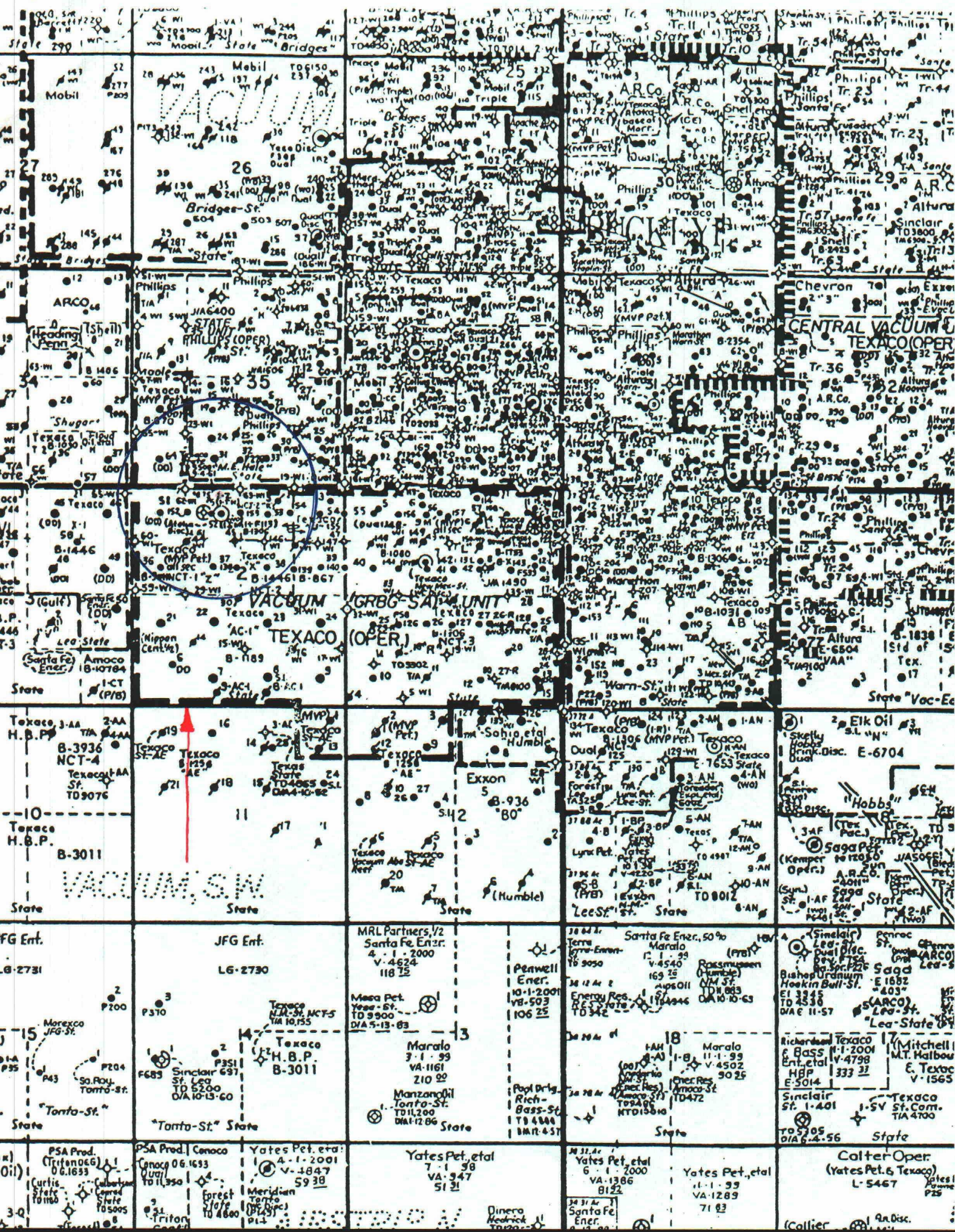
Attachment for Form C-108

Summary of Order Numbers for Texaco's
Vacuum Grayburg San Andres
Pressure Maintenance Project

R-4442	November 1, 1972	Initial Secondary Recover
✓ PMX-43	January 31, 1973	Expansion
✓ PMX-44	January 31, 1973	Expansion
✓ PMX-74	January 8, 1979	Expansion
R-6094	August 8, 1979	Remove the top allowable restriction
R-7010	May 26, 1982	Initial tertiary recovery
R-1070-A	July 30, 1982	Correction to R-7010
✓ PMX-120	November 2, 1982	Expansion
✓ PMX-167	February 2, 1992	Expansion
PMX-157	February 10, 1992 7-20-89 8-10-93	Expansion
PMX-198	July 22, 1999	Expansion

New Mexico State "Z" NCT-1 Well #1
API # 30-025-29988
Letter C – 660' FNL & 2200' FWL – Sec. 2 – Twp. 18S – Rng. 34E





AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a
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 a
supplement thereof for a period.

of 2
_____ weeks.

Beginning with the issue dated

April 29 2000
and ending with the issue dated

April 30 2000

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 1st day of

May 2000

Godi Benson

Notary Public.

My Commission expires
October 18, 2000
(Seal)

This newspaper is duly qualified
to publish legal notices or adver-
tisements within the meaning of
Section 3, Chapter 167, Laws of
1937, and payment of fees for
said publication has been made.

LEGAL NOTICE
April 29, 30, 2000

Notice is hereby given of the application of Texaco Exploration and Production Inc., Attention: Tim Miller, Area Manager, 205 E. Bender Blvd., Hobbs, New Mexico, Telephone (505) 397-0421, to the New Mexico Oil Conservation Commission and Mineral Department, for approval to convert an idle wellbore (lastly completed in Giorleta Formation) to a disposal well for the purpose of water management in Texaco's Buckeye operation.

Unit name: _____
Vacuum Grayburg San Andres, Lea County, New Mexico

Well's Number and location: _____
New Mexico #2 State NCT-1 #1
Unit letter C 660' FNL and 2200' FWL Sec. 2 Twp.
18S Rng. 34E

The injection formation will be lower San Andres formation at a depth of approximately 4900 to 5700 feet below the surface of the ground. Expected maximum injection pressure is 1500 pound per square inch (to be determined by Step-Rate-Test). Interested parties must file objection or request for hearing with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505.
#17363

ILLEGIBLE

01101308000 01540593
Texaco E&P, Inc.
205 E. Bender
Hobbs, NM 88240

Pursuant to your request, listed below are the offset operators of the lands described, limited to depths from 4,800' to 5,400':

- 1) NE/4 SE/4 of Section 34, T17S-R34E, Lea Co., NM -
Marathon Oil Company
P. O. Box 552
Midland, Texas 79702
- 2) SE/4 SE/4 of Section 34, T17S-R34E, Lea Co., NM -
Conoco Inc.
10 Desta Drive, Suite 100W
Midland, Texas 79705
- 3) SE/4 and E/2 SW/4 of Section 35, T17S-R34E, Lea Co., NM * -
Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762

(*subject to the State 35 Unit - San Andres formation unitized from
4,000' to 4,950')
- 4) NE/4 SE/4 of Section 3, T18S-R34E, Lea Co., NM -
Santa Fe Snyder Corporation
550 W. Texas, Suite 1330
Midland, Texas 79701
or
Chevron USA, Inc.
P. O. Box 1150
Midland, Texas 79702

The State of New Mexico owns the surface for all of the above lands.



Texaco

May 8, 2000

Re: Water Disposal Well
Lea County, New Mexico
Notification for intend in completing of Water Disposal Well

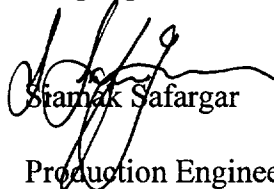
This letter is to notify all the offset operators and landowners that Texaco Exploration & Production Inc. is requesting a permit form NMOCD to convert a temporary abandoned well to a water disposal well for the water management purposes. This well will be a part of Vacuum Grayburg San Andres Unit. The name and legal description of the candidate well is:

New Mexico "Z" State NCT-1 Well No. 1
Unit letter C – 660' FNL & 2200' FWL – Sec.2 Twp. 18S Rng. 34E Lea County

Formation under consideration is from 4900' to 5700'. Daily injection rate for this well will be determined by Step-Rate-Test upon its completion. However, initial injection pressure will be limited and not exceed 0.2 psi/ft. Attached are maps showing the location of the above well and schematic of the pertinent wellbore data.

Interested parties must file objections or request for hearing with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505.

King regards,


Stanak Safargar
Production Engineer

Attachments

Z 576 997 468

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to		State of New Mexico	
Street & Number		P.O. Box 1148	
Post Office, State, & ZIP Code		Santa Fe, NM 87504-1148	
Postage	\$		
Certified Fee			
Special Delivery Fee			
Restricted Delivery Fee			
Return Receipt Showing to Whom & Date Delivered			
Return Receipt Showing to Whom, Date, & Addressee's Address			
TOTAL Postage & Fees	\$	3.13	
Postmark or Date			

3800 April 1995

Z 576 997 471

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to		Cenoco Inc.	
Street & Number		10 Destia Drive, Suite 100W	
Post Office, State, & ZIP Code		Midland, TX 79705	
Postage	\$		
Certified Fee			
Special Delivery Fee			
Restricted Delivery Fee			
Return Receipt Showing to Whom & Date Delivered			
Return Receipt Showing to Whom, Date, & Addressee's Address			
TOTAL Postage & Fees	\$	3.13	
Postmark or Date			

3800 April 1995

Z 576 997 470

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to		Philip's Petroleum Company	
Street & Number		4001 Penbrook	
Post Office, State, & ZIP Code		Odessa, TX 79762	
Postage	\$		
Certified Fee			
Special Delivery Fee			
Restricted Delivery Fee			
Return Receipt Showing to Whom & Date Delivered			
Return Receipt Showing to Whom, Date, & Addressee's Address			
TOTAL Postage & Fees	\$	3.13	
Postmark or Date			

3800 April 1995

Z 576 997 472

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to		Marathon Oil Company	
Street & Number		P.O. Box 552	
Post Office, State, & ZIP Code		Midland, TX 79702	
Postage	\$		
Certified Fee			
Special Delivery Fee			
Restricted Delivery Fee			
Return Receipt Showing to Whom & Date Delivered			
Return Receipt Showing to Whom, Date, & Addressee's Address			
TOTAL Postage & Fees	\$	3.13	
Postmark or Date			

3800 April 1995

Z 576 997 469

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to		Chevron USA, Inc.	
Street & Number		P.O. Box 1150	
Post Office, State, & ZIP Code		Midland, TX 79702	
Postage	\$		
Certified Fee			
Special Delivery Fee			
Restricted Delivery Fee			
Return Receipt Showing to Whom & Date Delivered			
Return Receipt Showing to Whom, Date, & Addressee's Address			
TOTAL Postage & Fees	\$	3.13	
Postmark or Date			

3800 April 1995

