



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP
Permian Basin Region

July 12, 1984

Order R-5897- Expansion of
Authority by Administrative Action
East Vacuum Gb/San Andres Unit,
Vacuum Gb/San Andres Pool,
Lea County, New Mexico

New Mexico Department of Energy-3
Oil and Gas Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey,
Division Director


Gentlemen:

Administrative approval, provided by R-5897 and Statewide Rule 701 B(3) E(3), is requested on the captioned attached application. Such action will allow conversion of Tract 3127 well no. 004 to water injection service.

Texaco Inc. is the only offset operator while the State of New Mexico is the surface land owner. By certified mail copy hereof, their waivers of objections are requested.

Your consideration is appreciated. Please call me-(915) 367-1257- if you have any question.

Very truly yours,



T. Harold McLemore

THM/dkc
Attachments

cc: New Mexico Oil Conservation Division
Box 1980
Hobbs, New Mexico

Texaco Inc. Offset Operator
Box 728
Hobbs, New Mexico 88240

Certified Mail

July 12, 1984
New Mexico Department of Energy- 3
Page 2

State of New Mexico Surface Land Owner
office of State Land Commissioner
Box 1148
State Land Office Building
Santa Fe, New Mexico 87501

Certified Mail

Attachments

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☒ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Phillips Petroleum Co.
Address: Room 401, 4001 Penbrook, Odessa, Tx. 79762
Contact party: Mr. E. E. Clark Phone: (915) 367-1257 (McLemore)
- 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 R-5897.
- 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: W. J. Mueller Title _____

Signature: Ralph J. Roper for W.J. Mueller Date: 6-26-84

- * 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. Examiner Hearing, October 25, 1978, Case No. 6367, R-5897

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:

-- See Attached Data Sheet --

- (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.

PHILLIPS PETROLEUM COMPANY

EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

N. M. O. C. D. R-5897

VACUUM GRAYBURG — SAN ANDRES POOL, LEA COUNTY, NEW MEXICO

TRACT 3127 WELL 004

CONVERSION TO WATER INJECTION STATUS

Record Only:

State Lease No. B-1527

ANNULUS PRESSURE

GAUGE

PRESSURE CONTROL TYPE: Electronic Rate

Pressure Controller

BRADENHEAD MONITOR

REDBEDS

240'

9-5/8" O. D. @ 369

CEMENTED WITH 400 SXS. (488 Ft³)

TOP OF CEMENT Circulated

RUSTLER

1488'

SALADO

1618'

YATES

2801'

WELL LOCATION

Unit I, Section 31

T-17-S R-35-E

QUEEN

3700'

ANNULUS FLUID: Inhibited brine

GRAYBURG

4034'

2-7/8" O. D. TUBING @ 4260

LINING Plastic Coating or Lining

PACKER @ 4260

TYPE Husky M-1, Nickel-Plated

SAN ANDRES

4297'

TOP 4310

SAN ANDRES

PERFORATED INTERVALS

BOTTOM 4636

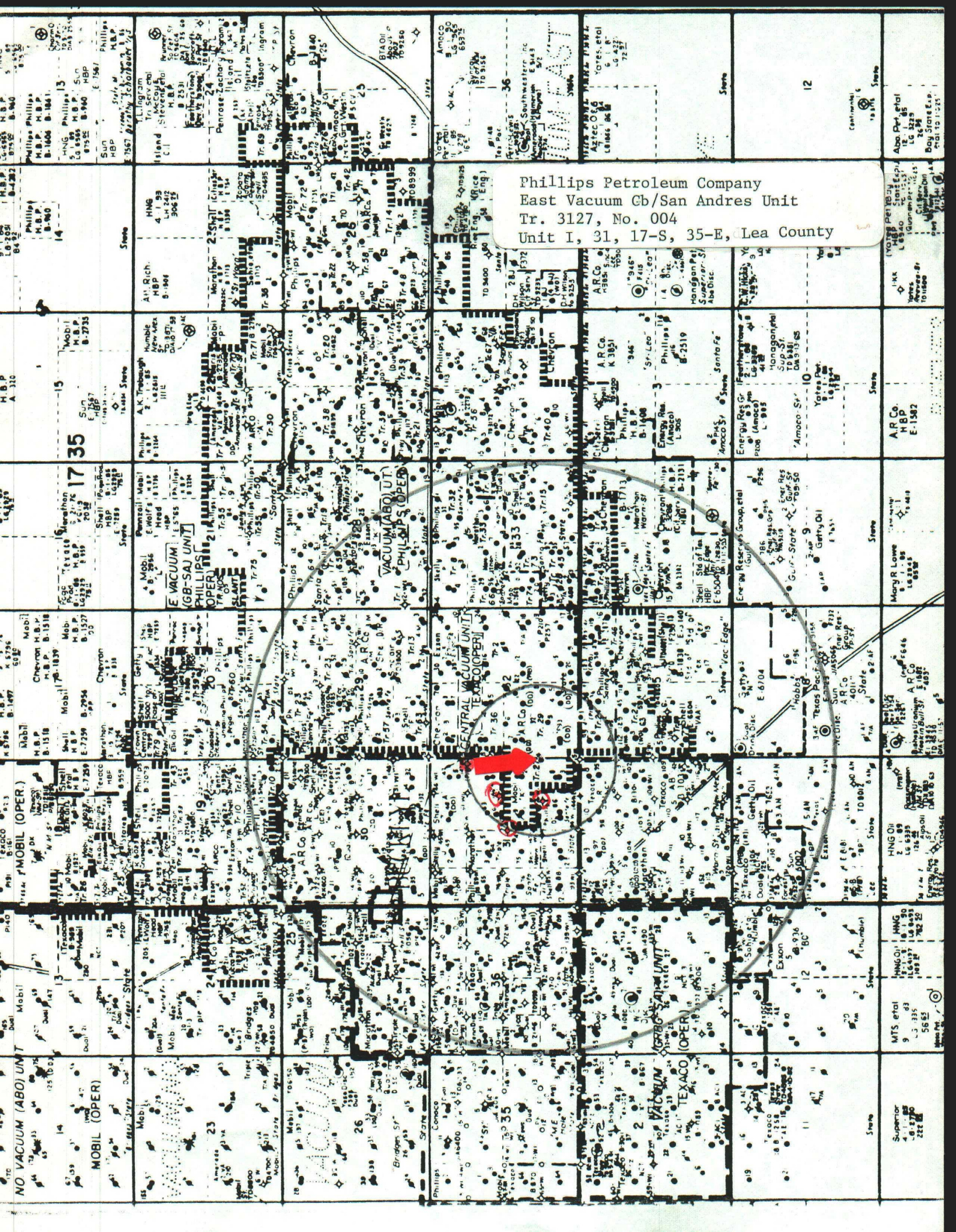
P B T D 4750'

7" O. D. @ 4798

CEMENTED WITH 1100 SXS. (2074 Ft³)

TOP OF CEMENT Circulated

TD 4800



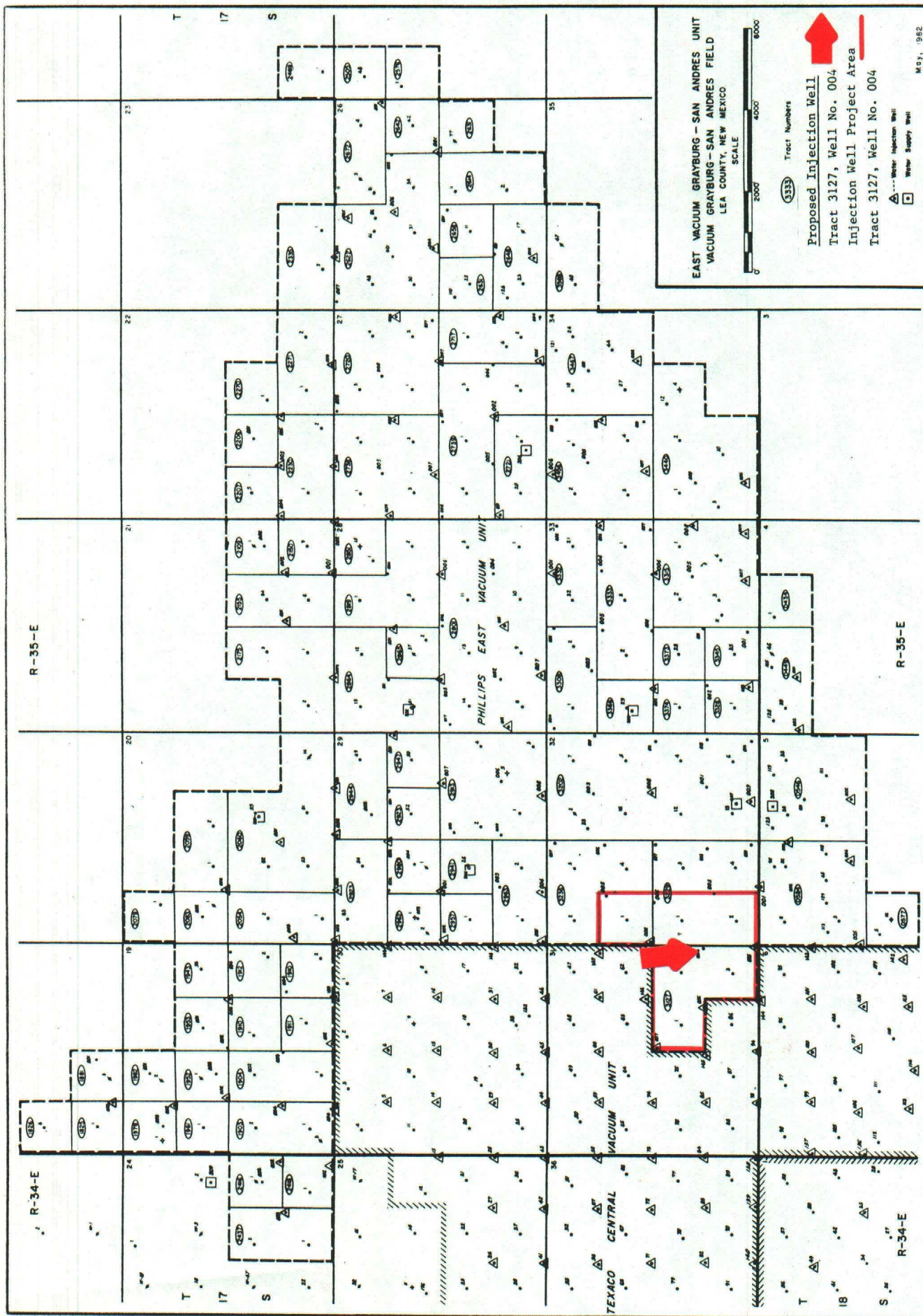
Phillips Petroleum Company
East Vacuum Oil/San Andres Unit
Tr. 3127, No. 004
Unit I, 31, 17-S, 35-E, Lea County

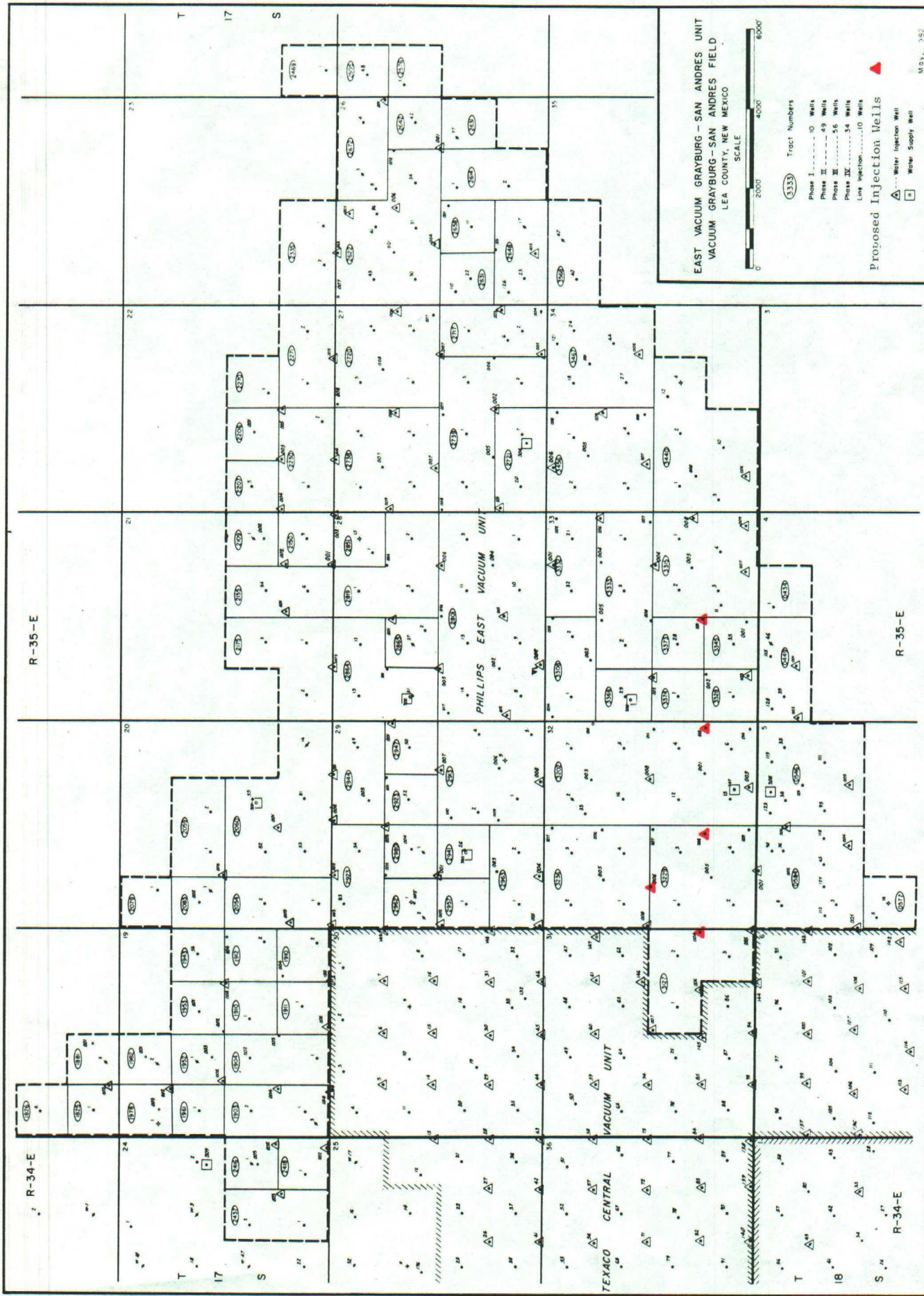


Phillips Petroleum Company
R-5897, Project Expansion
East Vacuum Ga/San Andres Unit
Tract 3127, No. 004
Form C-108

Article VII: Data on proposed operation

1. Fluid injection rates: average 1500 BWPD: Maximum 3000 BWPD
2. Closed system
3. Injection pressures: average: 1000; maximum 1350
4. Sources, analysis, and compatability of injection fluids submitted in case no 6367 (Order R-5897).





EAST VACUUM GRAYBURG - SAN ANDRES UNIT
VACUUM GRAYBURG - SAN ANDRES FIELD
LEA COUNTY, NEW MEXICO

SCALE
0 2000 4000 6000

Tract Numbers
Phase I 0 Wells
Phase II 49 Wells
Phase III 56 Wells
Phase IV 34 Wells
Line Injection 10 Wells

Proposed Injection Wells

Water Injection Well
Water Supply Well

Map, 392

AFFIDAVIT OF PUBLICATION

State of New Mexico,

County of Lea.

1. _____

Robert L. Summers

of the Hobbs Daily News-Sun, a daily 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 in a supplement thereof for a period

of _____

One weeks.

Beginning with the issue dated

July 3, 19 84

and ending with the issue dated

July 3, 19 84

Robert L. Summers
Publisher.

Sworn and subscribed to before

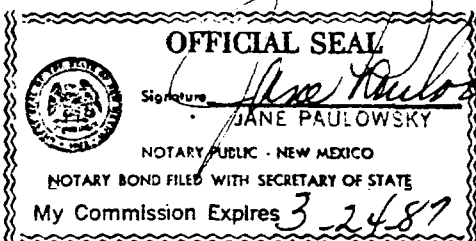
me this 10 day of

July, 19 84
Jane Paulowsky
Notary Public.

My Commission expires

3-24, 19 87
(Seal)

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



Received

JUL 13 1984

30 LEGAL NOTICE
July 3, 1984
NOTICE is hereby given of the application of Phillips Petroleum Company, Attention: E. E. Clark, Manager of Operations, 4001 Penbrook Street, Odessa, Texas 79762, telephone (915) 367-1290, to the Oil Conservation Division, New Mexico Energy & Minerals Department, for approval of the following injection well(s) for the purpose of Pressure Maintenance Project in oil production Well(s) No(s): Tract 3127, Well No. 004 Lease/Unit Name: East Vacuum Grayburg/San Andres Unit Location: Unit 1, Section 31, T-17-S, R-35-E NMPM, Lea County, New Mexico.
The injection formation is Grayburg/San Andres at a depth of 4310-4626 feet below the surface of the ground. Expected maximum injection rate is 3000 barrels per day, and expected maximum injection pressure is 1350 pounds per square inch. Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, within fifteen (15) days of this publication.

AFFIDAVIT OF PUBLICATION

State of New Mexico,

County of Lea.

I, _____

Robert L. Summers

of the Hobbs Daily News-Sun, a daily 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 in a supplement thereof for a period

of _____

One weeks.

Beginning with the issue dated

July 3, 19 84

and ending with the issue dated

July 3, 19 84

Robert L. Summers
Publisher.

Sworn and subscribed to before

me this 10 day of

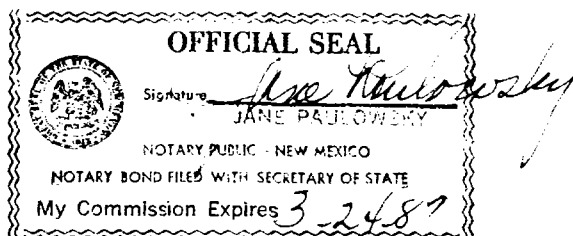
July, 19 *84*
Ape Paulowich
Notary Public.

My Commission expires

3-24-87

(Seal)

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PHILLIPS PETROLEUM COMPANY
EXPLORATION AND PRODUCTION GROUP
PERMIAN BASIN REGION
4001 PENBROOK
ODESSA, TEXAS 79762

CERTIFIED

P 273 888 609

MAIL

Texaco Inc.
Box 728
Hobbs, New Mexico 88240

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.	
(CONSULT POSTMASTER FOR FEES)	
1. The following service is requested (check one). <input checked="" type="checkbox"/> Show to whom and date delivered <input type="checkbox"/> Show to whom, date, and address of delivery..	
2. <input type="checkbox"/> RESTRICTED DELIVERY (The restricted delivery fee is charged in addition to the return receipt fee.)	
TOTAL \$	
3. ARTICLE ADDRESSED TO: Texaco Inc. Box 728 Hobbs New Mexico	
4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COD <input type="checkbox"/> EXPRESS MAIL	ARTICLE NUMBER P273888-609
(Always obtain signature of addressee or agent)	
I have received the article described above. SIGNATURE <input type="checkbox"/> Addressee <input type="checkbox"/> Authorized agent	
5. DATE OF DELIVERY	POSTMARK
6. ADDRESSEE'S ADDRESS (Only if requested)	
7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL



PHILLIPS PETROLEUM COMPANY
EXPLORATION AND PRODUCTION GROUP
PERMIAN BASIN REGION
4001 PENBROOK
ODESSA, TEXAS 79762

CERTIFIED
P 273 888 610
MAIL

State of New Mexico
Office of State Land Commissioner
Box 1148
State Land Office Building
Santa Fe, New Mexico 87501

PS Form 3811, Dec. 1980

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

- ☒ Show to whom and date delivered \$
☐ Show to whom, date, and address of delivery.. \$

2. ☐ **RESTRICTED DELIVERY**

(The restricted delivery fee is charged in addition to
the return receipt fee.)

TOTAL \$

3. **ARTICLE ADDRESSED TO:**

State of New Mexico
Office of State Land Commissioner
Box 1148
State Land Office Building
Santa Fe, New Mexico 87501

4. **TYPE OF SERVICE:**

- ☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD
☐ EXPRESS MAIL

ARTICLE NUMBER

P-273-888-610

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Authorized agent

5. **DATE OF DELIVERY**

POSTMARK

6. **ADDRESSEE'S ADDRESS** (Only if requested)

7. **UNABLE TO DELIVER BECAUSE:**

7a. **EMPLOYEE'S INITIALS**

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP
Permian Basin Region

June 26, 1984

Legal Publication
East Vacuum Ga/San Andres Unit
Pressure Maintenance Project
Lea County, New Mexico


Hobbs News-Sun
201 N. Thorp
Hobbs, New Mexico 88240

Gentlemen:

Please publish the attached legal notification on July 3, 1984 to run for one day only. In addition, we request that a certified copy of the published notification be sent for our records. All inquiries and billing should be addressed to Phillips Petroleum Company, Attention: T. Harold McLemore, 4001 Penbrook Odessa, Texas 79762.

Your assistance in this matter is appreciated.

Very truly yours,


T. Harold McLemore

THC/dkc
Attachment

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Lease/Unit Name: East Vacuum Grayburg/San Andres Unit

Location: Unit I, Section 31, T-17-S, R-35-E

NMPM,

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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE
July 19, 1984

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC	
DHC	
NSL	
NSP	
SWD	
WFX	
PMX	X

Gentlemen:

I have examined the application for the:

Phillips Pet. Co.	East Vacuum Gray., SA Unit Tr. 3127	#4-I	31-17-35
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

O.K.----J.S.

Yours very truly,

Jerry Sexton
Supervisor, District 1

/mc