



# PHILLIPS PETROLEUM COMPANY

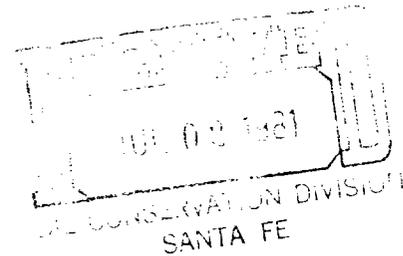
ODESSA, TEXAS 79762  
4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP

June 26, 1981

Conversion to Water Injection Service--  
East Vacuum Grayburg/San Andres Unit  
Tract 2054, Well No. 003  
Vacuum Gb/SA Pool  
Lea County, New Mexico

New Mexico Department of Energy & Minerals (3)  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501



Attention: Joe D. Ramey  
Division Director

Gentlemen:

We respectfully request administrative approval of expansion of waterflood pressure maintenance project, as provided by Order No. R-5897, Rule 9, for the East Vacuum Grayburg/San Andres Unit, pressure maintenance project, to convert East Vacuum Gb/SA Unit Tract 2054, Well No. 003 to water injection service. The following data is submitted in support of this request:

1. Unit Plat reflecting the proposed injection well project area (Tract 2054, No. 003--Unit M, Section 20, T-17-S, R-35-E.)
2. Borehole Compensated Sonic log of the injection well.
3. Diagrammatic sketch of the proposed well, injection tubing, packer, and pressure control elements identifying the San Andres perforated injection interval.
4. The name of the injection formation is San Andres with injection to be into the well interval as follows: 4590'-4700'. The maximum anticipated injection pressure will be no more than 0.2 psi per foot to the top of the perforation with a maximum daily volume anticipated at 2500 bbls for the identified well.

By copy hereof, all offset operators are notified of this application. Their waivers of objection are requested.

Conversion to Water Injection Service  
June 26, 1981  
Page: 2

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Your consideration and early advice will be appreciated.

Yours very truly,



T. Harold McLemore  
Regulation and Proration Supervisor

AJ:gr  
Attachments w/logs

cc: Oil Conservation Division  
Hobbs, New Mexico  
(Attachments w/o logs)

Texaco Inc.  
P. O. Box 3109  
Midland, TX 79702  
(Attachments w/o logs)

# PHILLIPS PETROLEUM COMPANY

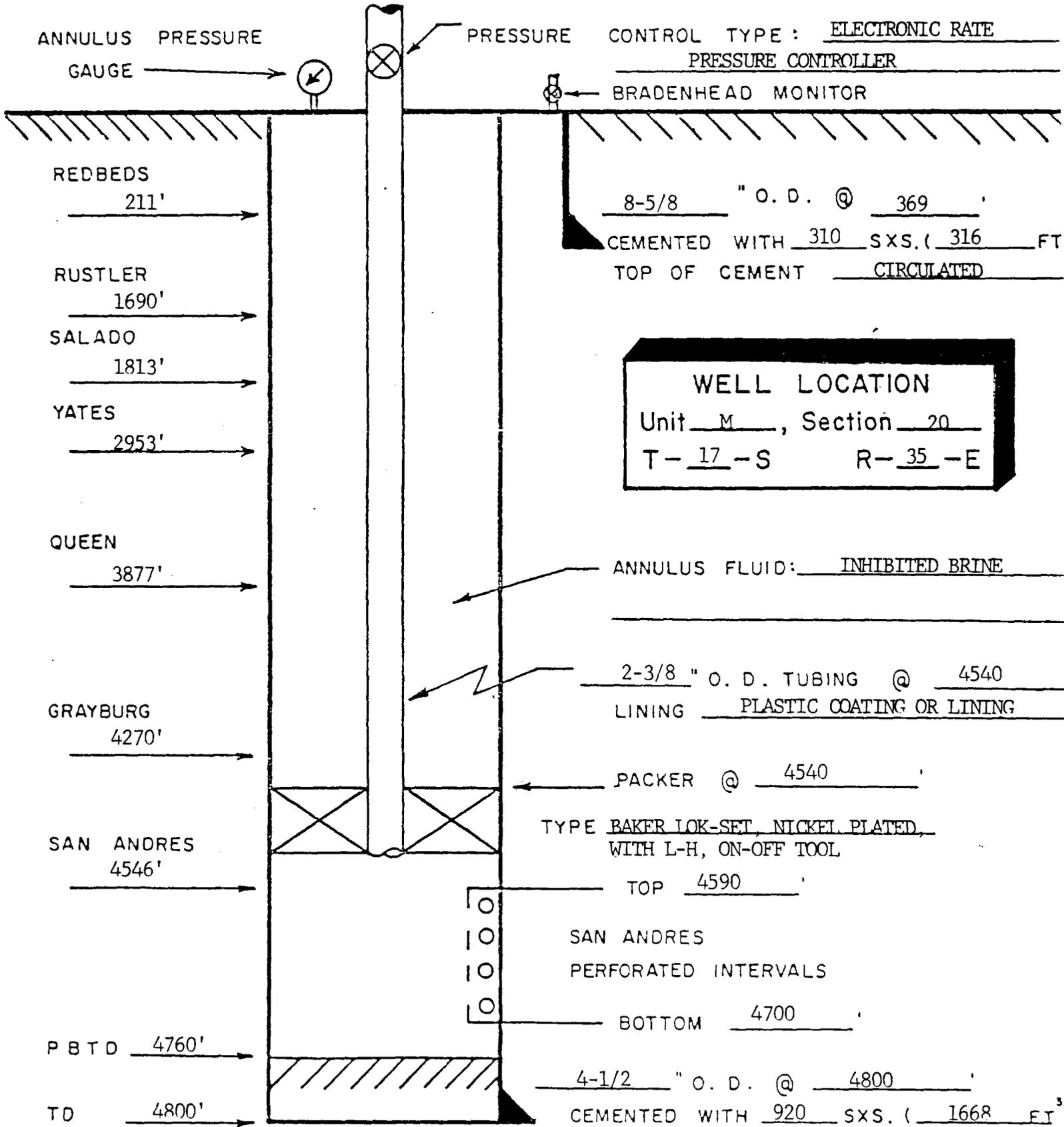
## EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

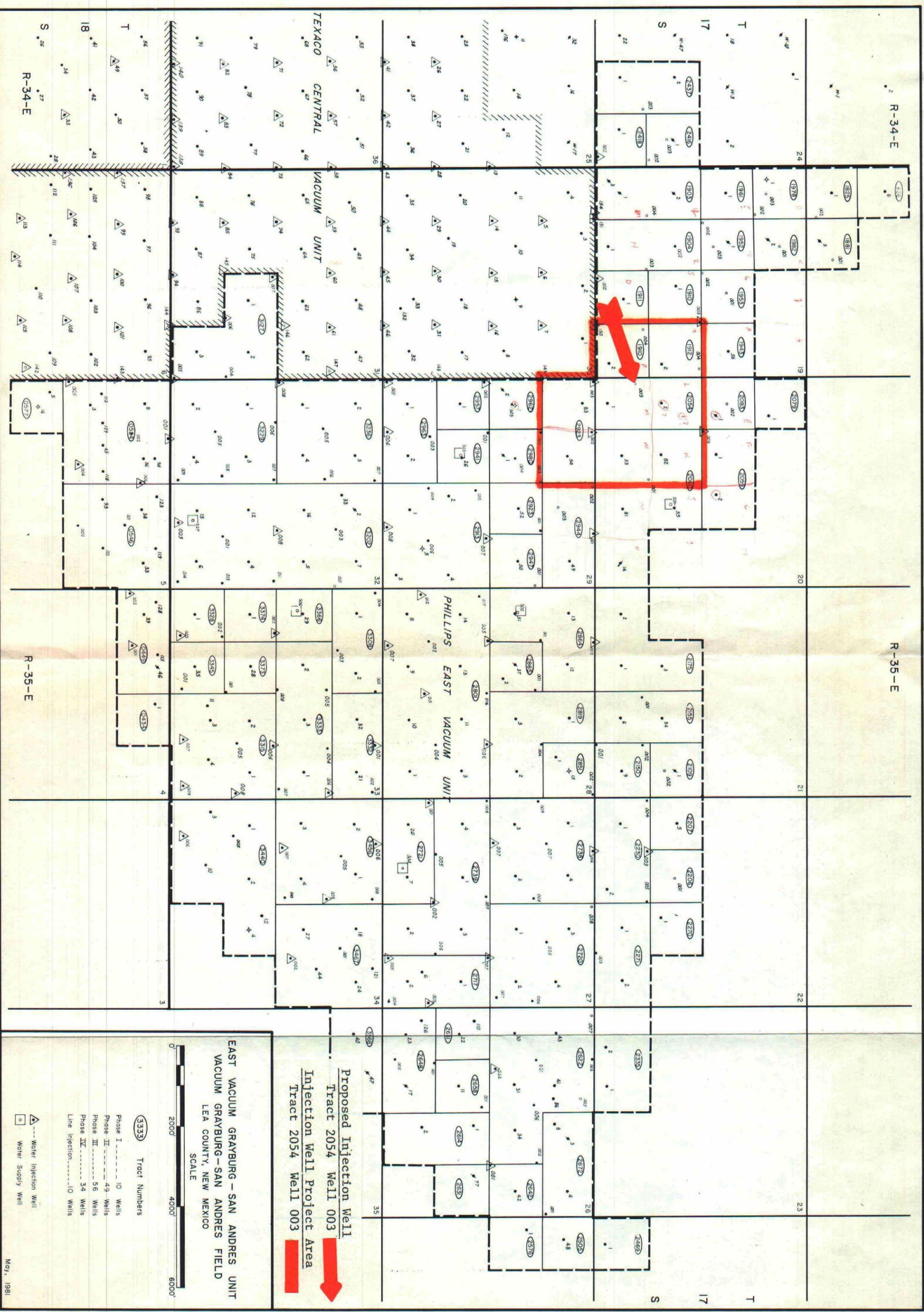
N. M. O. C. D. R - 5897

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

TRACT 2054 WELL 003

CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well  
 Tract 2054 Well 003  
 Injection Well Project Area  
 Tract 2054 Well 003

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

SCALE  
 0 2000' 4000' 6000'

(3333) Tract Numbers  
 Phase I - 10 Wells  
 Phase II - 49 Wells  
 Phase III - 56 Wells  
 Phase IV - 34 Wells  
 Line Injection - 10 Wells

▲ Water Injection Well  
 □ Water Supply Well

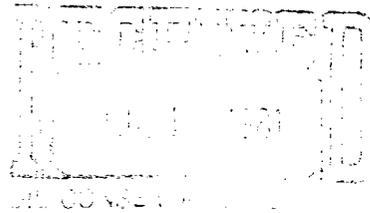
May, 1981



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT

July 10, 1981



SANTA TEXACO  
U.S.A.

A DIVISION OF TEXACO INC.  
P. O. BOX 3109  
MIDLAND, TEXAS 79702

FLUID INJECTION APPLICATION  
PHILLIPS PETROLEUM COMPANY  
EAST VACUUM GRAYBURG/SAN ANDRES UNIT  
TRACT 2054, WELL NO. 003  
VACUUM GRAYBURG/SAN ANDRES POOL  
LEA COUNTY, NEW MEXICO

New Mexico Department of Energy & Minerals  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501

Attention: Mr. Joe D. Ramey

Gentlemen:

Texaco Inc. has been advised by Phillips Petroleum Company of their application to inject fluid into the subject well. We understand injection will be from 4590' to 4700'. The well is located in Tract 2054, Section 20, T-17-S, R-35-E, Lea County, New Mexico.

Texaco Inc., as an offset operator, waives objection to the application.

Yours very truly,

Alan R. McDaniel  
Division Manager

By

J. W. Cox

Petroleum Engineering Manager

CRW/lt

cc: Phillips Petroleum Company  
4001 Penbrook  
Odessa, TX 79762

OIL CONSERVATION DIVISION  
DISTRICT I

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

DATE June 30, 1981

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed NSP \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX   X  

Gentlemen:

I have examined the application for the:

Phillips Pet. Co. E. Vacuum G/SA Unit Tr. 2054	No. 3-M	20-17-35
Operator	Lease and Well No.	Unit, S - T - R

and my recommendations are as follows:

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

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\_\_\_\_\_

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Yours very truly,

\_\_\_\_\_

/mc



P.O. Box 991  
Houston, Texas 77001

June 22, 1981

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

Gentlemen:

SUBJECT: WAIVER OF OBJECTION FOR FLUID INJECTION  
EAST VACCUUM GRAYBURG/SAN ANDRES UNIT  
TRACT 2672, WELL NO. 001  
LEA COUNTY, NEW MEXICO

This is to advise you that as an offset operator, we have been notified of Phillips Petroleum Company's application to inject fluid into the subject well. The surface location of the well is Unit A, Section 26, T-17-S, R-35-E.

Being an authorized representative of the offset operator, we hereby waive any objection to approval for fluid injection into this well.

Yours very truly,

SHELL OIL COMPANY  
Offset Operator

BY: A. J. Fore A. J. FORE

DATE: 6-22-81

cc: Phillips Petroleum Company  
4001 Penbrook  
Odessa, Texas 79762