



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762  
4001 PENBROOK

NATURAL RESOURCES GROUP  
Exploration and Production

February 19, 1981

Conversion to Water Injection Service--  
East Vacuum Grayburg/San Andres Unit  
Tract 2963, Well No. 005  
Lea County, New Mexico

New Mexico Department of Energy and Minerals (3)  
Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey  
Division Director

Gentlemen:

We respectfully request administrative approval of expansion of waterflood injection well pattern, as provided by Order No. R-5897, Rule No. 9, for the East Vacuum Unit pressure maintenance project, to convert the East Vacuum Grayburg/San Andres Unit, Tract 2963, Well No. 005 to water injection service. The following data is submitted in support of this request:

1. Unit Plat reflecting the proposed injection well and injection well project area. (Tract 2963, No. 005--Unit M, Section 29, T-17-S, R-35-E).
2. Compensated Neutron 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 intervals.
4. The name of the injection formation is San Andres with injection to be into the well interval 4380' to 4520'. The maximum anticipated injection pressure will be no more than 0.2 psi per foot to the top of the perforations with a maximum daily volume anticipated at 2500 bbls.

Administrative approval is requested under the cooperative line agreement with Phillips Petroleum Company as operator of the East Vacuum Unit and Texaco Inc. as operator of the Central Vacuum Unit. Attached herewith is letter of request for waiver

Conversion to Water Injection Service--  
East Vacuum Grayburg/San Andres Unit  
Tract 2963, Well No. 005  
Lea County, New Mexico  
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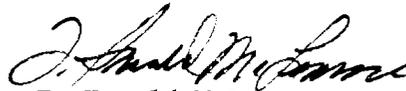
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dated February 18, 1981. Texaco is to furnish a waiver to your attention.

A status report on Order No. R-5897, Exhibit "C" Wells has previously been submitted.

Your consideration and early advice will be appreciated.

Very truly yours,



T. Harold McLemore  
Area Regulation and  
Proration Supervisor

SKN:  
Attachments

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

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## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762  
4001 PENBROOK

NATURAL RESOURCES GROUP  
Exploration and Production

February 18, 1981

Waiver of Objection for Conversion  
to Water Injection, East Vacuum  
Grayburg/San Andres Unit, Tract 2963,  
Well No. 005  
Lea County, New Mexico

Texaco Inc.  
P.O. Box 728  
Hobbs, New Mexico 88240

Attention: Mr. John V. Gannon  
District Superintendent

Gentlemen:

We respectfully request your waiver of objections for one cooperative line injection well to be equipped for injection service per attached schematic. East Vacuum Grayburg/San Andres Unit, Tract 2963, Well No. 005 is located (Unit M) 90' FSL and 50' FWL, Section 29, T-17-S, R-35-E, Lea County, New Mexico. A plat is attached showing the location of this well. This is an unorthodox location as approved by Administrative Order No. NSL-1208.

For your convenience, we are attaching three copies of a waiver for your execution. Please forward one executed copy directly to the Oil Conservation Division, Santa Fe, New Mexico, furnish this office with one executed copy, and retain one copy for your file.

Your early consideration and reply will be appreciated. If questions arise, please contact Mike Brownlee--telephone Odessa (915) 367-1413.

Very truly yours,

T. Harold McLemore  
Area Regulation and  
Proration Supervisor

SKN:lw  
Attachments

cc: Oil Conservation Division  
Santa Fe, New Mexico

Waiver of Objection

Phillips Petroleum Company  
Conversion to Water Injection Service  
East Vacuum Grayburg/San Andres Unit  
Tract 2963, Well No. 005  
Lea County, New Mexico

Texaco Inc., as an offset operator, hereby waives any and all objections to the proposal of Phillips Petroleum Company for one cooperative line injection well to be equipped for injection service on their East Vacuum Grayburg/San Andres Unit, Tract 2963, Well No. 005, located (Unit M) 90' FSL and 50' FWL, Section 29, T-17-S, R-35-E, Lea County, New Mexico.

Company: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

SKN:lw ,

# PHILLIPS PETROLEUM COMPANY

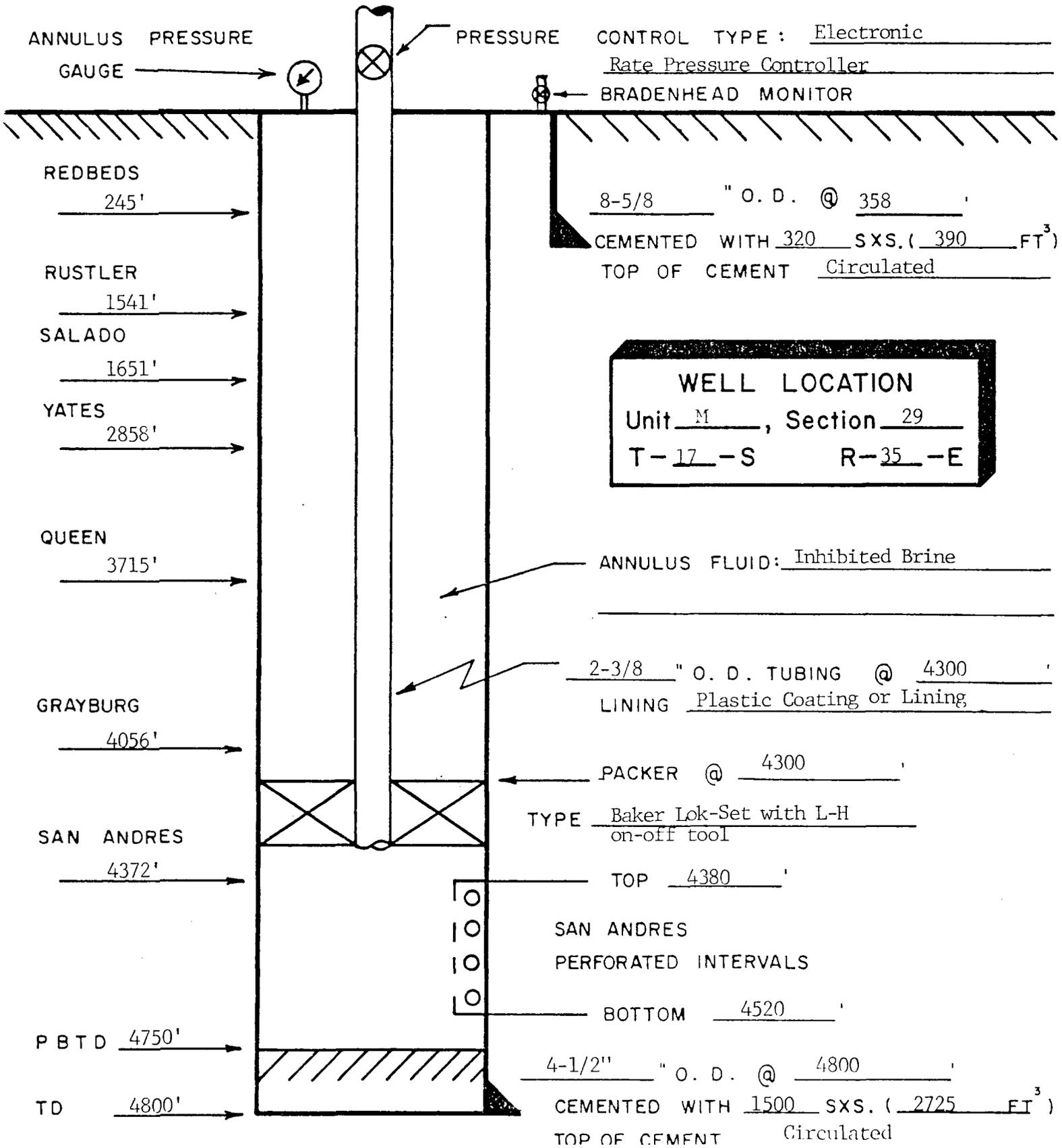
## EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

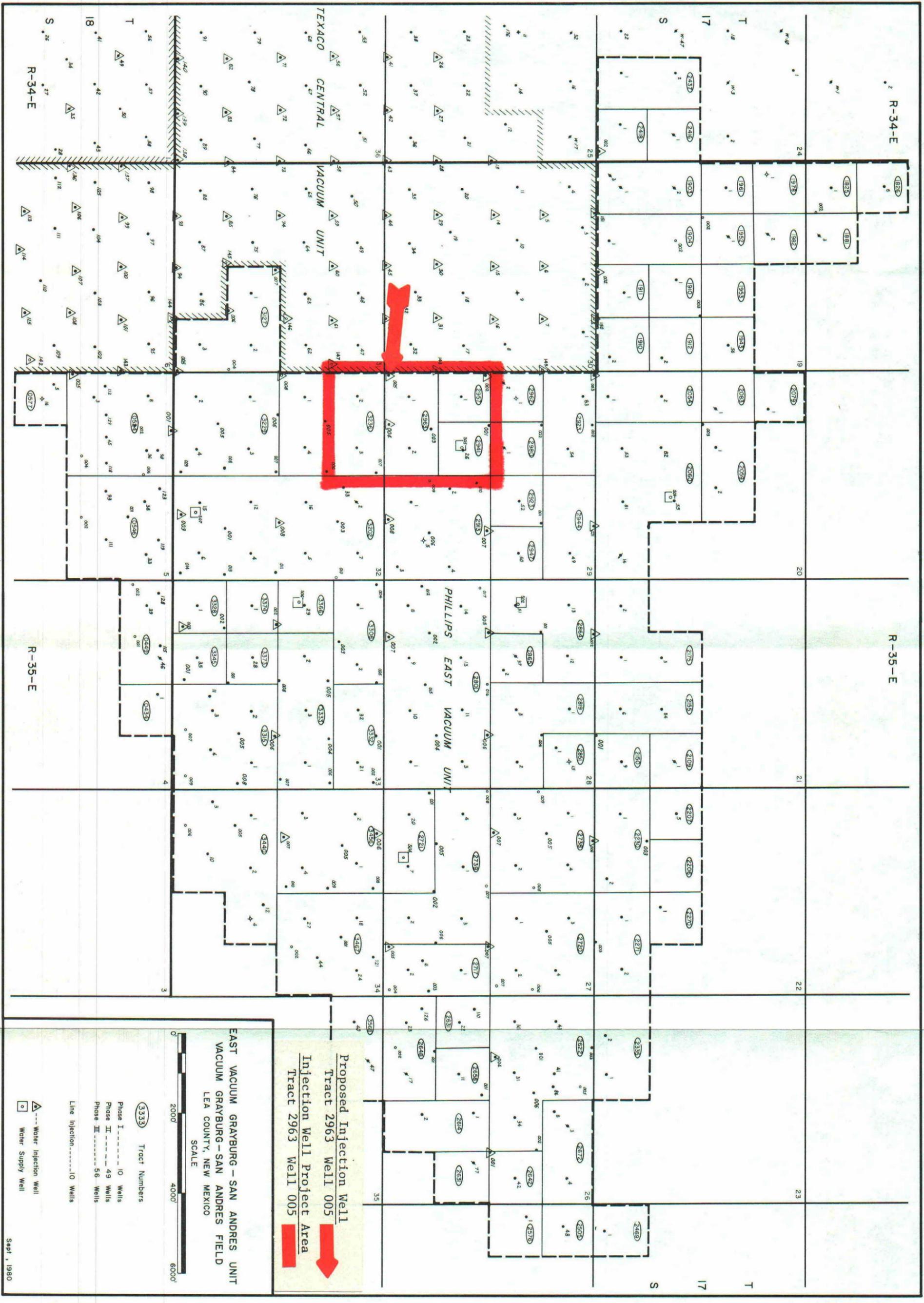
N. M. O. C. D. R-5897

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

TRACT 2963 WELL 005

CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well  
 Tract 2963 Well 005  
 Injection Well Project Area  
 Tract 2963 Well 005

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



- (3333) Tract Numbers
- Phase I - - - - - 10 Wells
- Phase II - - - - - 49 Wells
- Phase III - - - - - 56 Wells
- Line Injection - - - - - 10 Wells
- ▲ Water Injection Well
- Water Supply Well



PMX-101



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
Betty Rivera  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

Oil Conservation Division  
1220 S. Francis Drive  
Santa Fe, NM 87505

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

Gentlemen:

I have examined the application for the:

Phillips Petroleum Co East Vacuum CB/A Unit Tr. 2963 #5-M  
Operator Lease & Well No. Unit S-T-R 29-175-35e  
and my recommendations are as follows: API# 30-025-2686

Check cement top on Legaco VGWU # 90  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

*Chris Williams*  
Chris Williams  
Supervisor, District 1