



PETROLEUM PRODUCTS



PRODUCING DEPARTMENT

April 15, 1981

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  
WELL NO. 003 - TRACT 2923  
VACUUM GRAYBURG-SAN ANDRES POOL  
LEA COUNTY, NEW MEXICO

The State of 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 convert the subject well to water injection. We understand the well is located 10' FNL & FWL, Section 29, 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

  
R. D. Tomberlin

Petroleum Engineering Manager

CRW/lt

cc: Phillips Petroleum Company  
4001 Penbrook  
Odessa, TX 79762



**PHILLIPS PETROLEUM COMPANY**

ODESSA, TEXAS 79762  
4001 PENBROOK

NATURAL RESOURCES GROUP  
Exploration and Production

April 1, 1981

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OIL CONSERVATION DIVISION  
SANTA FE  
PMX 215

Conversion to Water Injection Service  
East Vacuum Grayburg-San Andres Unit  
Tract 2923, Well No. 003,  
Lea County, New Mexico

New Mexico Department of Energy and Minerals (3)  
Oil Conservation Division  
P. O. 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 2923, Well No. 003, to water injection service. The following data is submitted in support of this request:

1. Unit plats reflecting the proposed injection wells and injection wells project area (Tract 2923, Well No. 003, Unit D, Section 29, T-17-S, R-35-E.)
2. B.H.C. Sonic logs of the injection wells.
3. Diagrammatic sketch of the proposed wells, 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 respective well interval 4584' to 4699'. 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 barrels.

Conversion to Water Injection Service  
East Vacuum Grayburg-San Andres Unit  
Tract 2923, Well No. 003,  
Lea County, New Mexico

-2-

April 1, 1981

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 dated April 1, 1981. Texaco, Inc. is to furnish a waiver to your attention.

Your consideration and early advice will be appreciated.

Very truly yours,

PHILLIPS PETROLEUM COMPANY



T. Harold McLemore

Area Regulation and Proration Supervisor

THM:CAS:ehg  
Attachments

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

# PHILLIPS PETROLEUM COMPANY

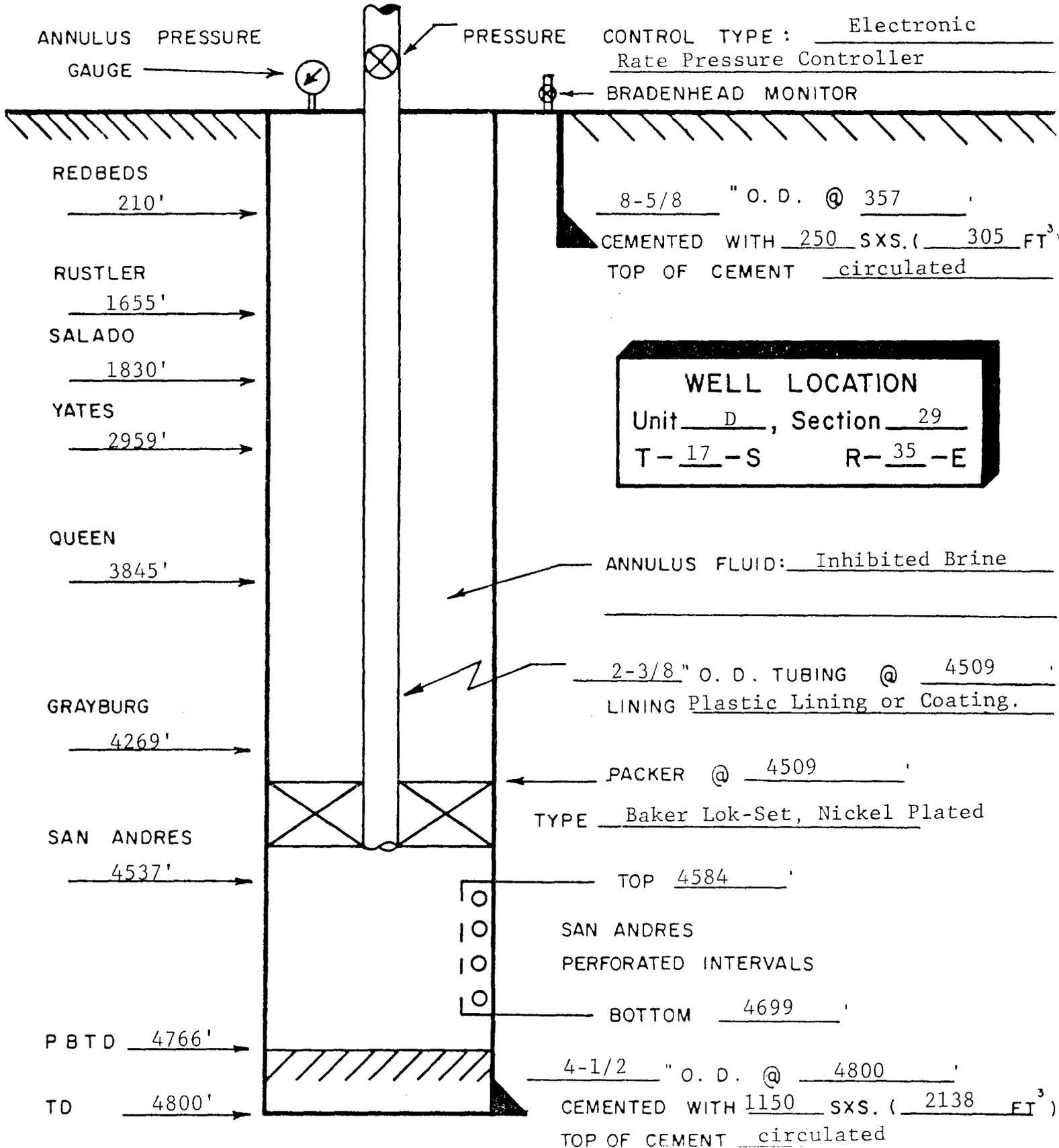
## EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

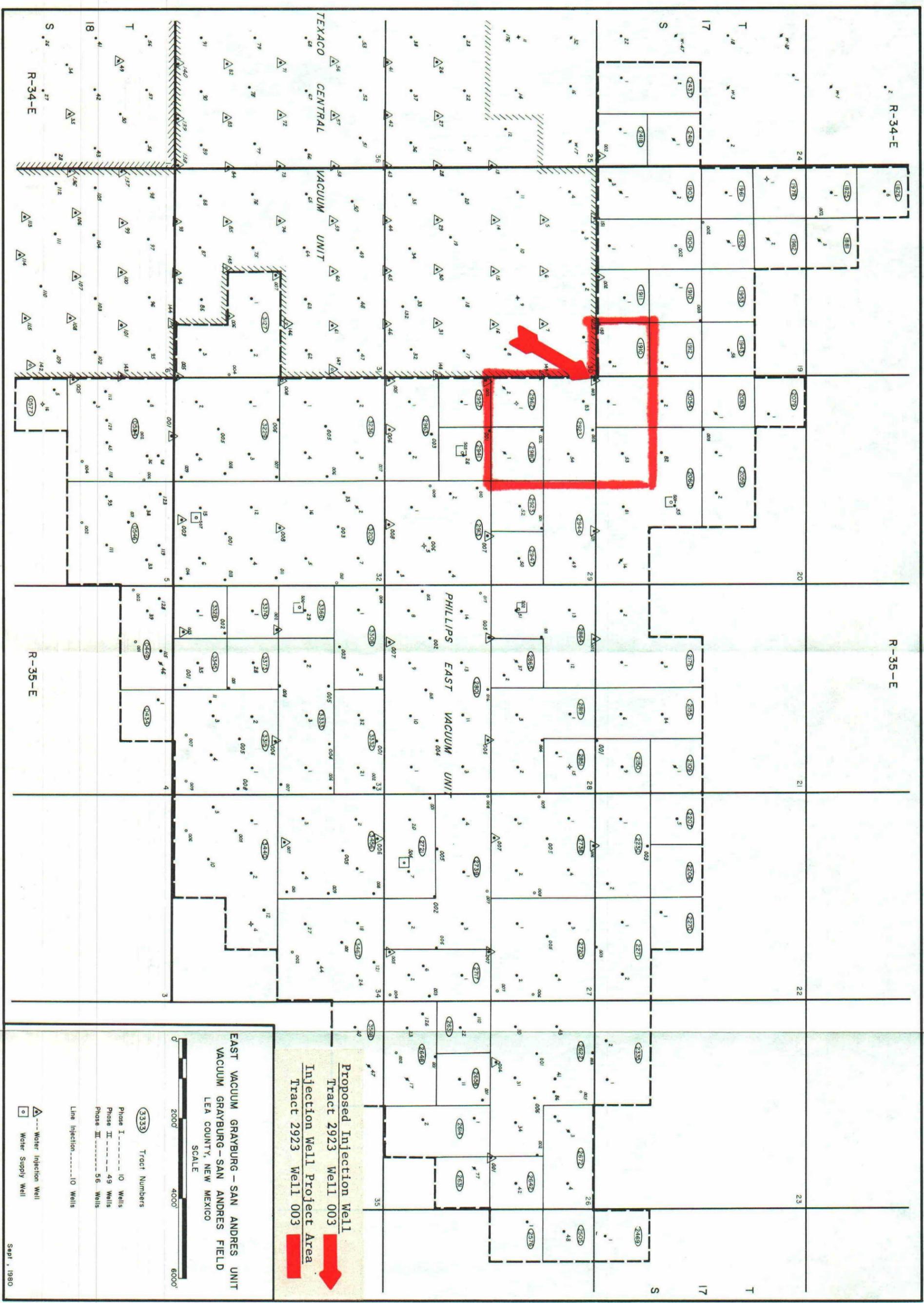
N. M. O. C. D. R-5897

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

TRACT 2923 WELL 003

### CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well  
 Tract 2923 Well 003  
 Injection Well Project Area  
 Tract 2923 Well 003

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



# PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762  
4001 PENBROOK

NATURAL RESOURCES GROUP  
Exploration and Production

April 1, 1981

Waiver of Objection for Conversion  
to Water Injection, East Vacuum  
Grayburg-San Andres Unit, Tract 2923  
Well No. 003  
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 this cooperative line injection well to be equipped for injection service per attached schematics. East Vacuum Grayburg-San Andres Unit, Tract 2923, Well No. 003, is located (Unit D) 10' FNL and 40' FWL, Section 29, T-17-S, R-35-E, Lea County, New Mexico. A unit 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 including three copies of this letter for your execution. Please forward one executed copy direct to the Oil Conservation Division, Santa Fe, New Mexico, furnish this office with one executed copy, and retain one copy for your file. Envelopes are provided for your convenience.

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

THM:CAS:ehg  
Attachments

cc: Oil Conservation Division  
Santa Fe, New Mexico, 87501

Texaco, Inc. hereby waives any and all objections to the proposal herein.

Texaco, Inc.

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

DATE:

Title: