



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

August 18, 1980

Conversion to Water Injection Service--
East Vacuum Grayburg-San Andres Unit
Tract 2418, Well No. 002 and
Tract 3127, Well No. 006
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 2418, Well No. 002 and Tract 3127, Well No. 006, 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 2418, No. 002--Unit P, 24, 17-S, 34-E.) (Tract 3127, No. 006--Unit J, 26, 17-S, 35-E.)
2. B.H.C. Sonic Logs of the injection wells.
3. Diagramatic 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 intervals 4493' to 4700' and 4313' to 4700'. 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.

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. The attached letter

To: New Mexico Department of Energy and Minerals
Conversion to Water Injection Service--EVGSAU

August 18, 1980

Page 2

of request for waiver dated August 12, 1980, has previously been submitted to your office. Texaco Inc. is to furnish a waiver to your attention.

In compliance with Order No. R-5897, a report of remedial action taken on wells listed in Exhibit "C" apart thereof, ensuring that the respective wells will not serve as an avenue of escape for injected water, will be submitted under separate date.

Your consideration and early advice will be appreciated.

Very truly yours,



T. Harold McLemore
Area Regulation and Proration Supervisor

CAS/THM/jj
Attachments

cc: Oil Conservation Division
Hobbs, New Mexico
(attachments w/o BHC Sonic Logs)

RECEIVED
AUG 20 1980
OIL CONSERVATION DIVISION
HOBBS, NEW MEXICO



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

August 12, 1980

Waiver of Objection for
Conversion to Water Injection
East Vacuum Gb/SA Unit, Tract
2418, Well No. 002 and East
Vacuum Gb/SA Unit, Tract 3127,
Well No. 006
Lea County, New Mexico

Texaco Inc.
Box 728
Hobbs, New Mexico 88240

Attn: Mr. John V. Gannon
District Superintendent

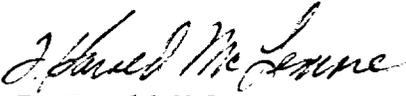
Gentlemen:

We respectfully request your waiver of objections for two cooperative line injection wells to be equipped for injection service per attached schematic. East Vacuum Gb/SA Unit Tract 2418, Well No. 002 is located (Unit P) 40' FSL and 260' FEL, Section 24, T-17-S, R-34-E, and East Vacuum Gb/SA Unit Tract 3127, Well No. 006 is located (Unit J) 1330' FSL and 1530' FEL, Section 26, T-17-S, R-35-E, Lea County, New Mexico. Plats are attached showing locations of these wells. These are unorthodox locations 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 direct 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

CAS/brb
Attachments

cc: Oil Conservation Division, Santa Fe, New Mexico

Waiver of Objections

Phillips Petroleum Company
Conversion to Water Injection Service
East Vacuum Gb/SA Unit, Tract 2418,
Well No. 002
East Vacuum Gb/SA Unit, Tract 3127
Well No. 006
Lea County, New Mexico

Texaco Inc., as an offset operator, hereby waives any and all objections to the proposal of Phillips Petroleum Company for two cooperative line injection wells to be equipped for injection service on their East Vacuum Gb/SA Unit, Tract 2418, Well No. 002, located (Unit P) 40' FSL and 260' FEL, Section 24, T-17-S, R-34-E, and East Vacuum Gb/SA Unit, Tract 3127, Well No. 006, located (Unit J) 1330' FSL and 1530' FEL, Section 26, T-17-S, R-35-E, Lea County, New Mexico.

Company: _____

By: _____

Title: _____

Date: _____

CAS/brb

PHILLIPS PETROLEUM COMPANY

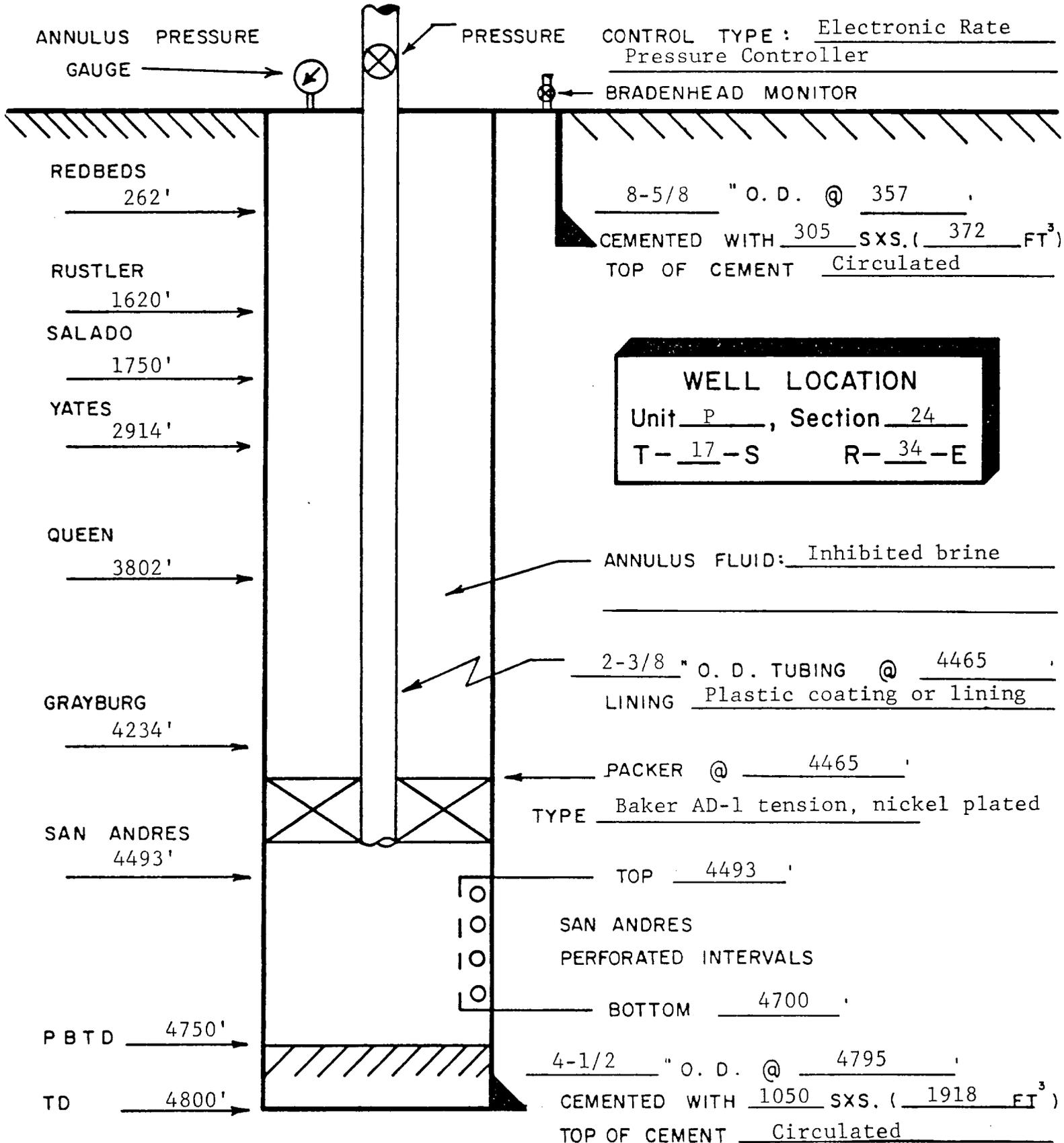
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

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

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

TRACT 2418 WELL 002

CONVERSION TO WATER INJECTION STATUS



PHILLIPS PETROLEUM COMPANY

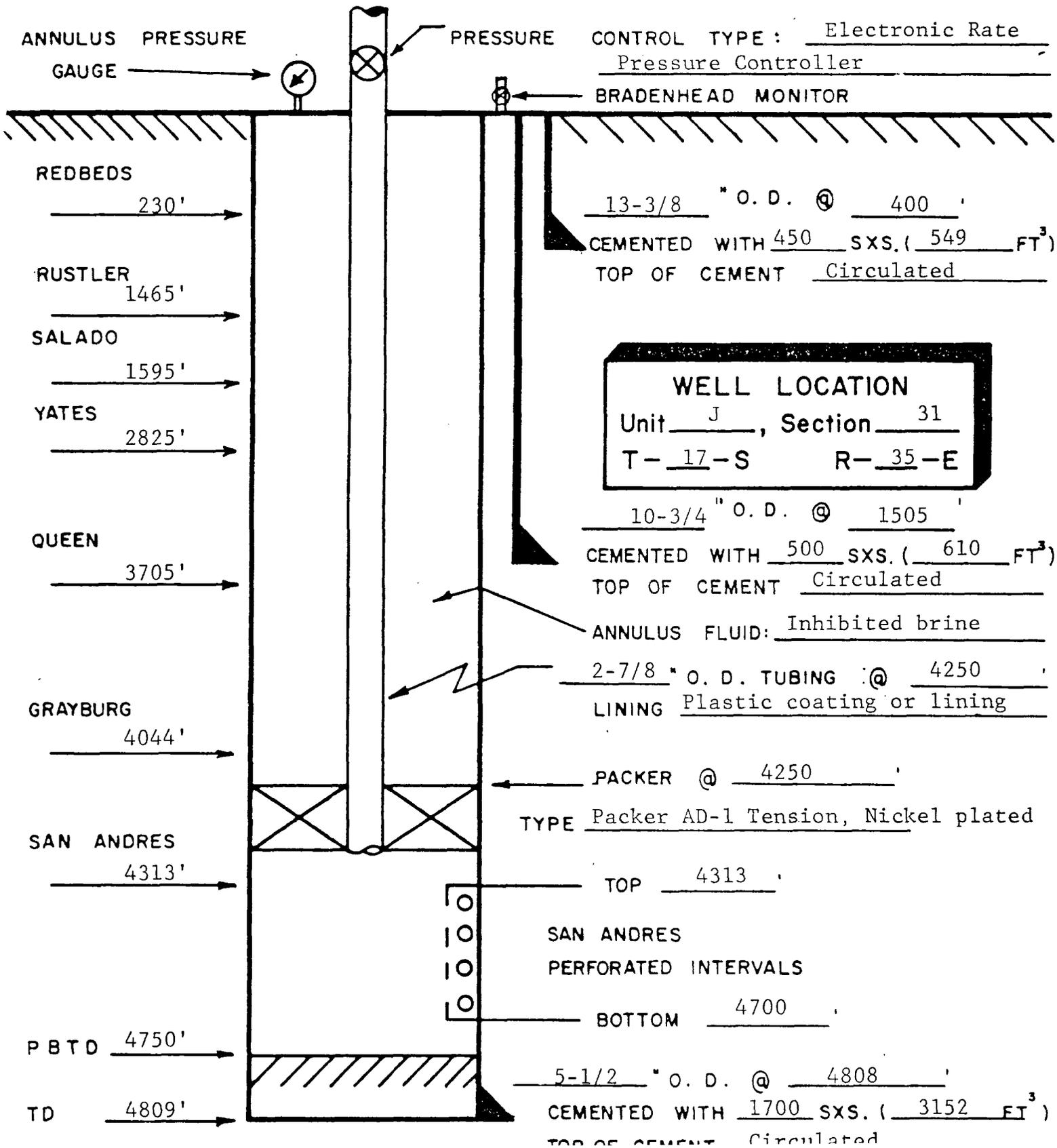
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

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

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

TRACT 3127 WELL 006

CONVERSION TO WATER INJECTION STATUS



Waiver of Objections

Phillips Petroleum Company
Conversion to Water Injection Service
East Vacuum Gb/SA Unit, Tract 2418,
Well No. 002
East Vacuum Gb/SA Unit, Tract 3127
Well No. 006
Lea County, New Mexico

Texaco Inc., as an offset operator, hereby waives any and all objections to the proposal of Phillips Petroleum Company for two cooperative line injection wells to be equipped for injection service on their East Vacuum Gb/SA Unit, Tract 2418, Well No. 002, located (Unit P) 40' FSL and 260' FEL, Section 24, T-17-S, R-34-E, and East Vacuum Gb/SA Unit, Tract 3127, Well No. 006, located (Unit J) 1330' FSL and 1530' FEL, Section 26, T-17-S, R-35-E, Lea County, New Mexico.

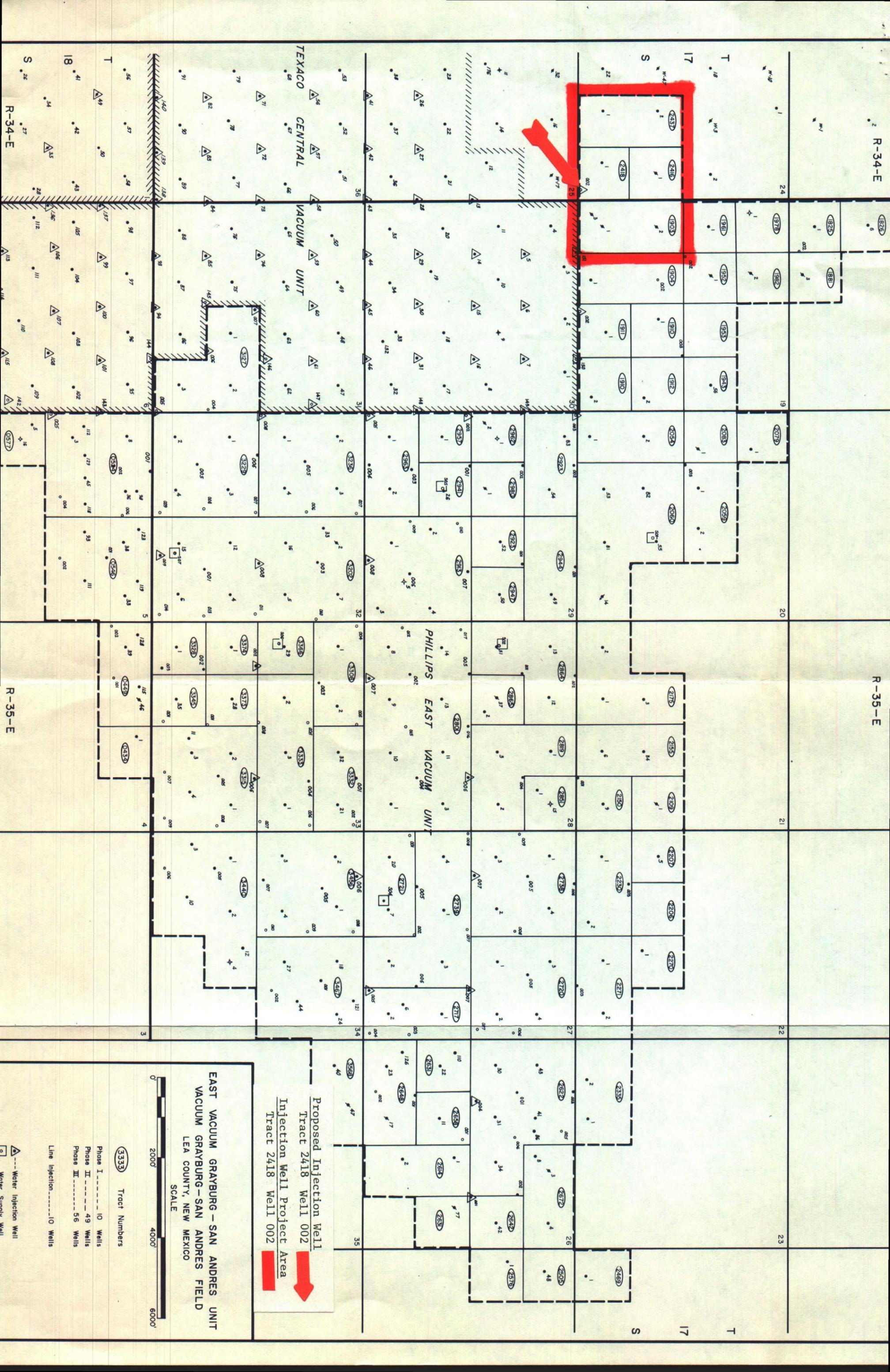
Company: Texaco Inc.

By: 

Title: Asst. Div. Petr. Engr.

Date: August 15, 1980

CAS/brb



R-34-E

R-35-E

R-34-E

R-35-E

TEXACO CENTRAL VACUUM UNIT

PHILLIPS EAST VACUUM UNIT

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

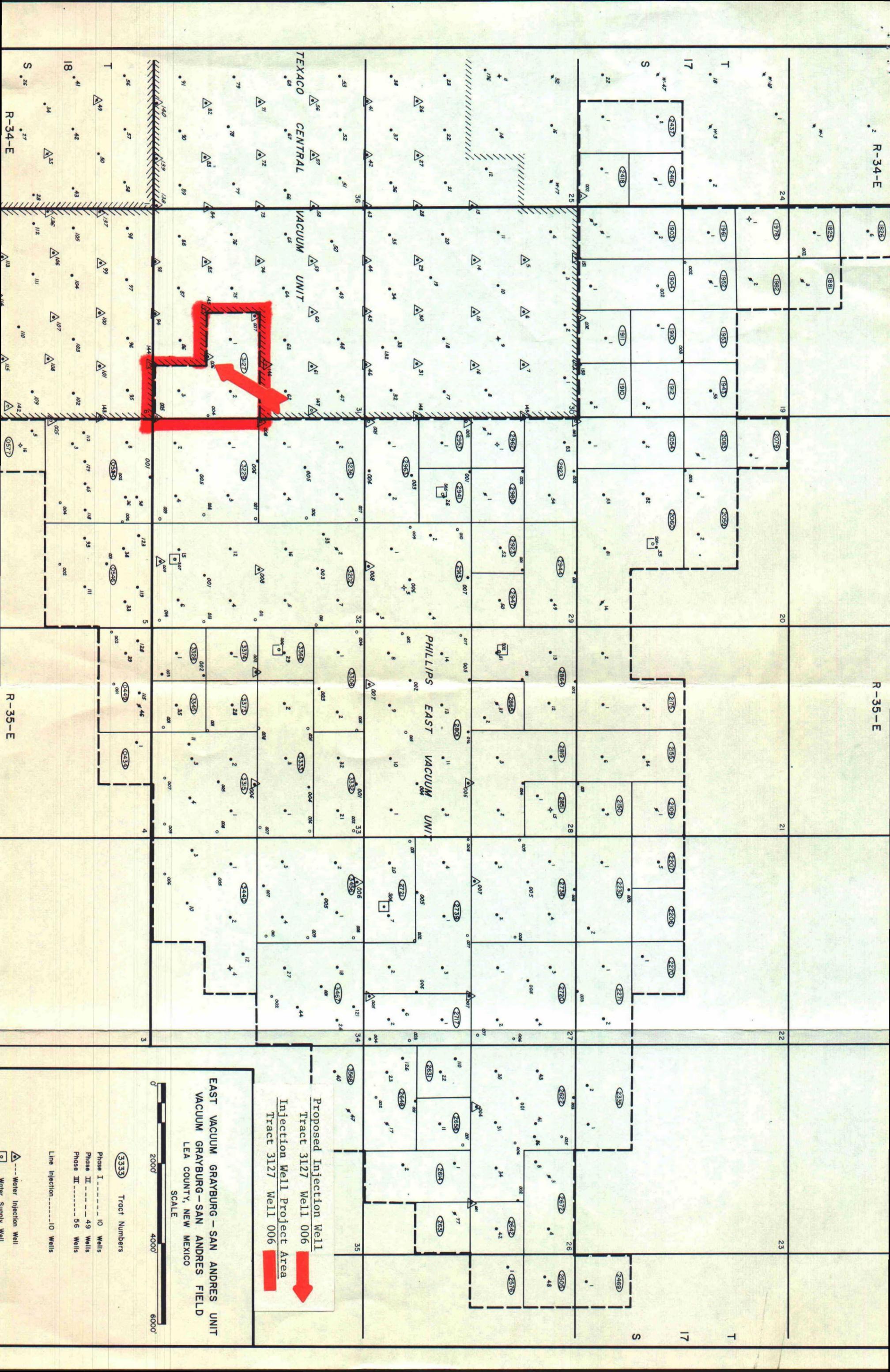
Proposed Injection Well
 Tract 2418 Well 002
 Injection Well Project Area
 Tract 2418 Well 002



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



R-34-E

R-35-E

R-34-E

R-35-E

TEXACO CENTRAL VACUUM UNIT

PHILLIPS EAST VACUUM UNIT

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

Proposed Injection Well
 Tract 3127 Well 006
 Injection Well Project Area
 Tract 3127 Well 006



3333 Tract Numbers

- Phase I - 10 Wells
- Phase II - 49 Wells
- Phase III - 56 Wells
- Line Injection - 10 Wells

- Water Injection Well
- Water Standoff Well