



**PHILLIPS PETROLEUM COMPANY**

ODESSA, TEXAS 79762  
4001 PENBROOK

NATURAL RESOURCES GROUP  
Exploration and Production

October 30, 1980

NOV 4 1980

OIL CONSERVATION  
DIVISION  
SANTA FE

Conversion to Water Injection Service--  
East Vacuum Grayburg/San Andres Unit  
Tract 3236, Well No. 008  
Tract 2957, Well No. 002 and  
Tract 0524, 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 3236, Well No. 008, Tract 2957, Well No. 002, and Tract 0524, Well No. 005, 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 3236, No. 008--Unit E, 32, 17-S, 35-E) (Tract 2957, No. 002--Unit L, 29, 17-S, 35-E) (Tract 0524, No. 005--Unit E, 5, 18-S, 35-E)
2. Compensated Neutron and 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 4320' to 4730', 4450' to 4700', and 4520' to 4720'. 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.

New Mexico Dept. of Energy & Minerals  
Conversion to Water Injection Service  
October 30, 1980  
Page: 2

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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 October 30, 1980. Texaco Inc. is to furnish a waiver to your attention.

A status report on Order No. R-5897, Exhibit "C" Wells, was submitted under date of August 19, 1980.

Your consideration and early advice will be appreciated.

Very truly yours,



T. Harold McLemore  
Area Regulation and  
Proration Supervisor

CAS:aj  
Attachments

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

# PHILLIPS PETROLEUM COMPANY

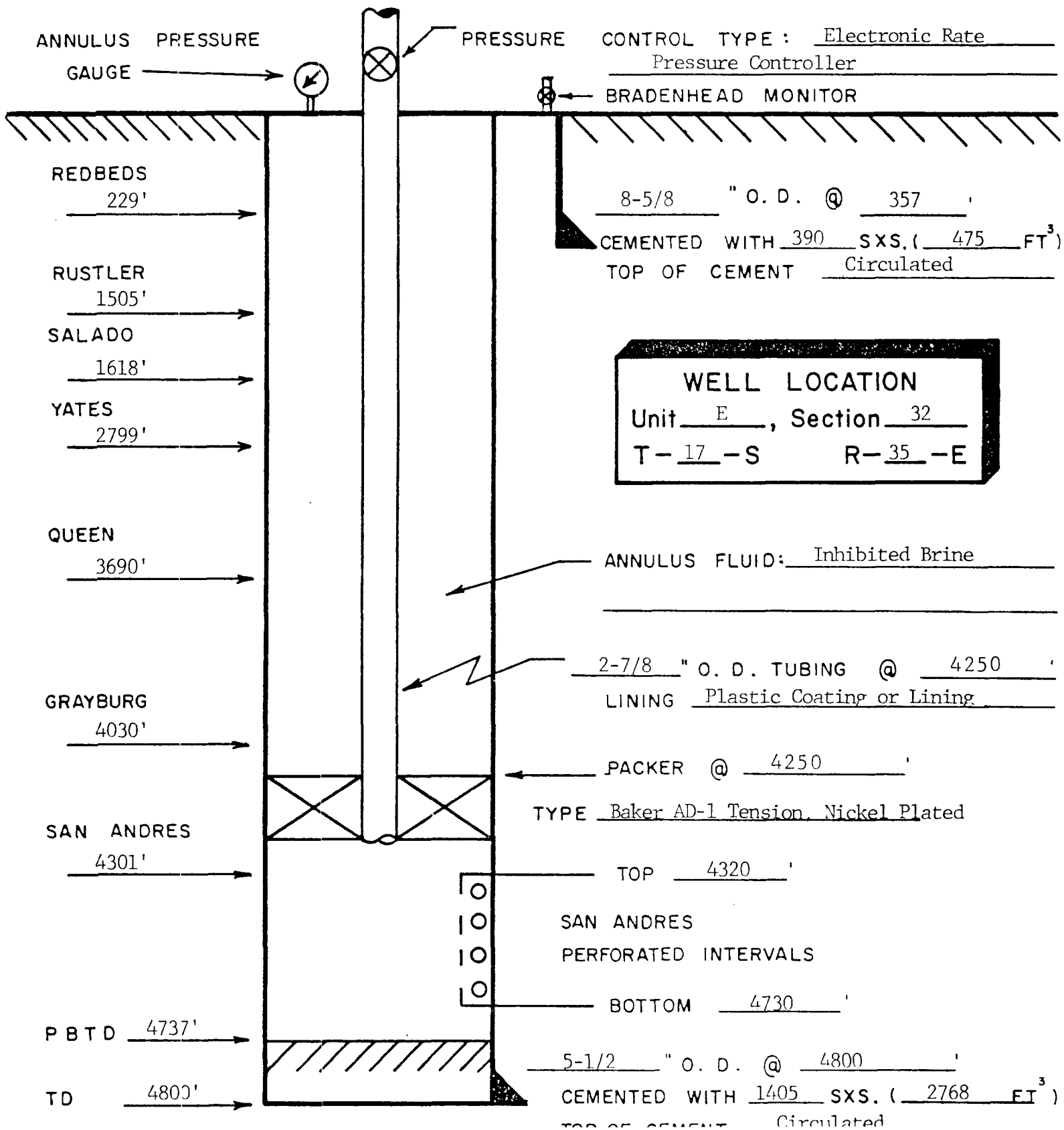
## EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

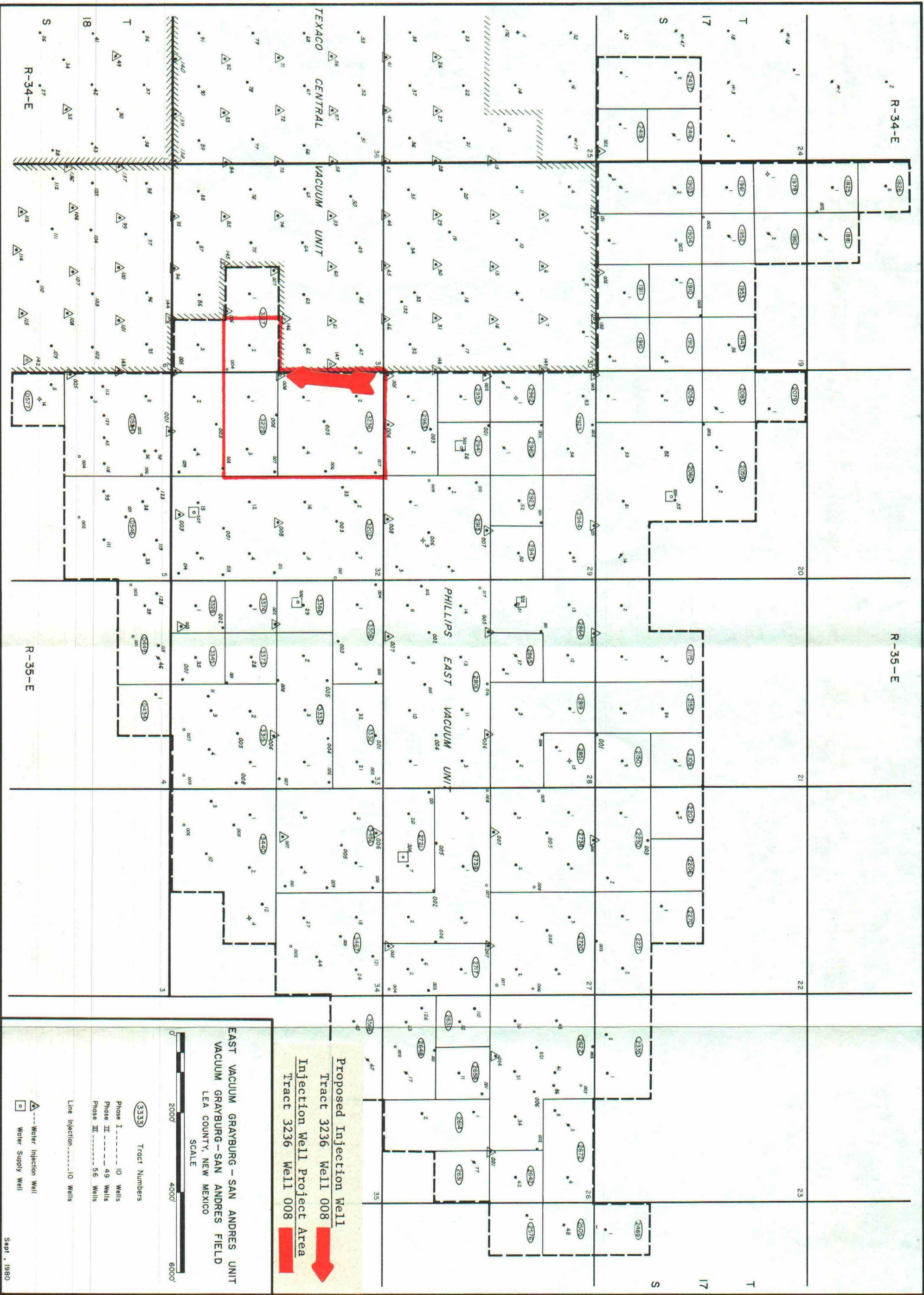
N. M. O. C. D. R-5897

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

TRACT 3236 WELL 008

CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well  
Tract 3236 Well 008  
Injection Well Project Area  
Tract 3236 Well 008

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



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



# PHILLIPS PETROLEUM COMPANY

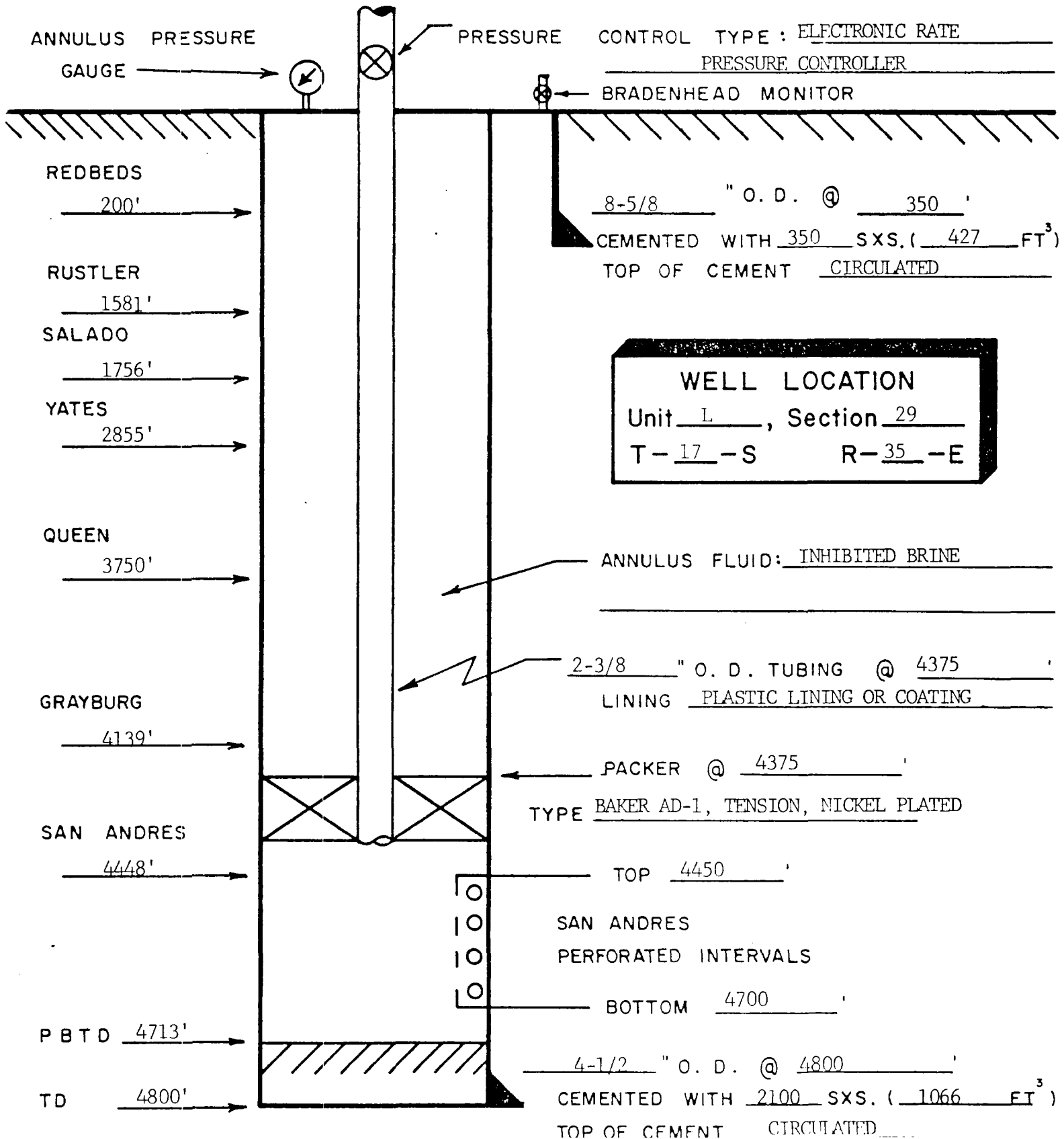
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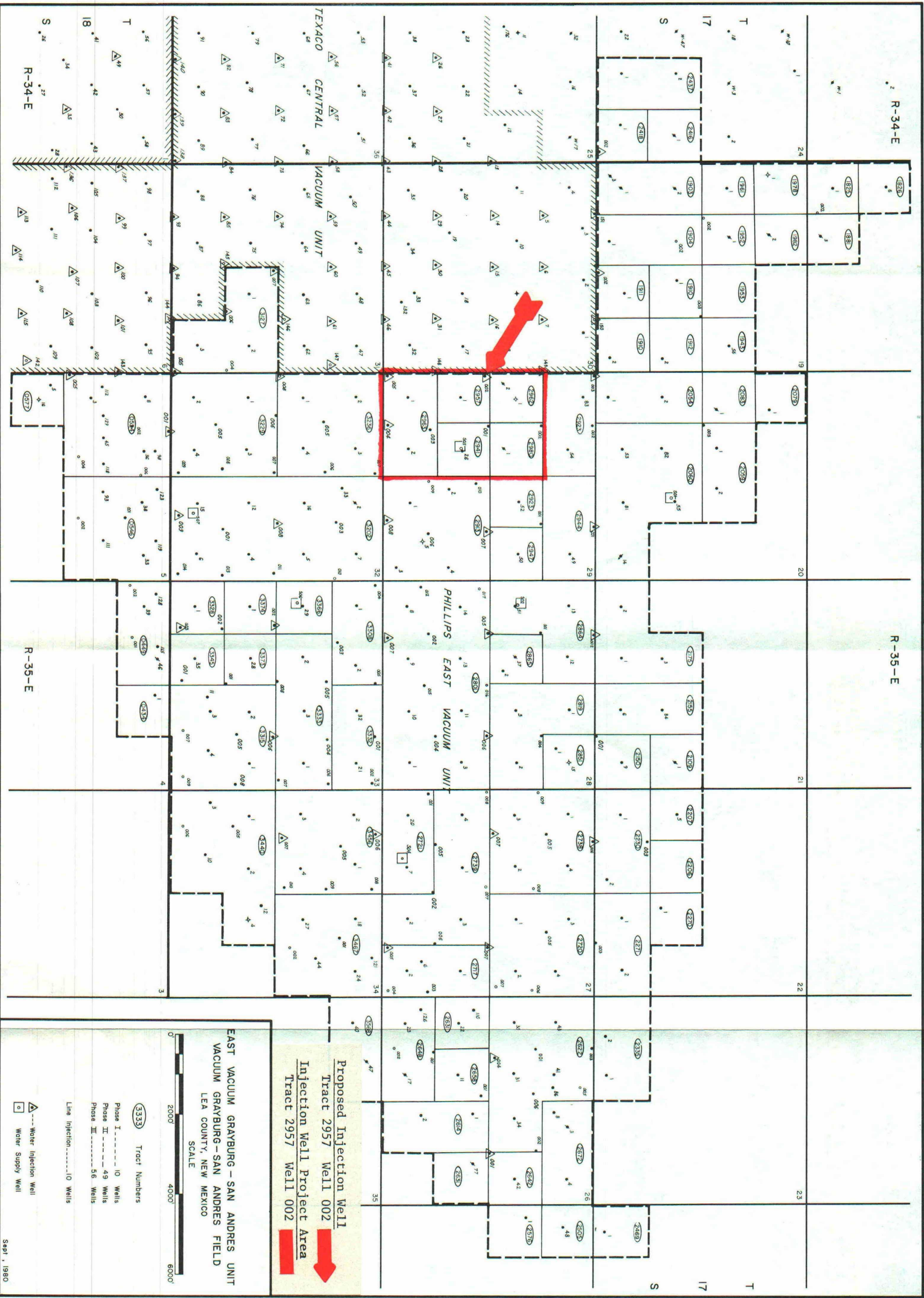
N.M.O.C.D. R-5897

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

TRACT 2957 WELL 002

### CONVERSION TO WATER INJECTION STATUS





# PHILLIPS PETROLEUM COMPANY

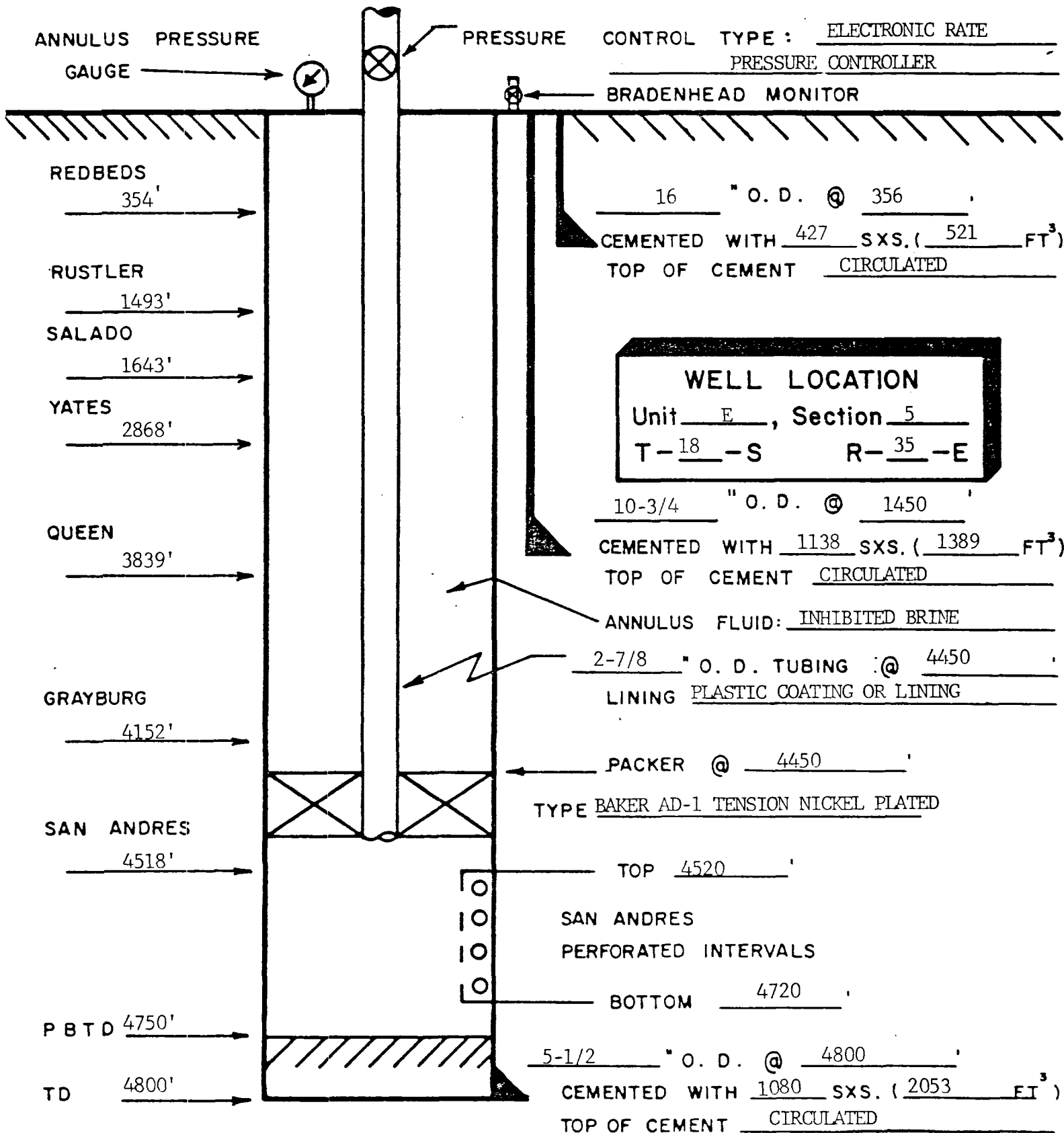
## EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

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

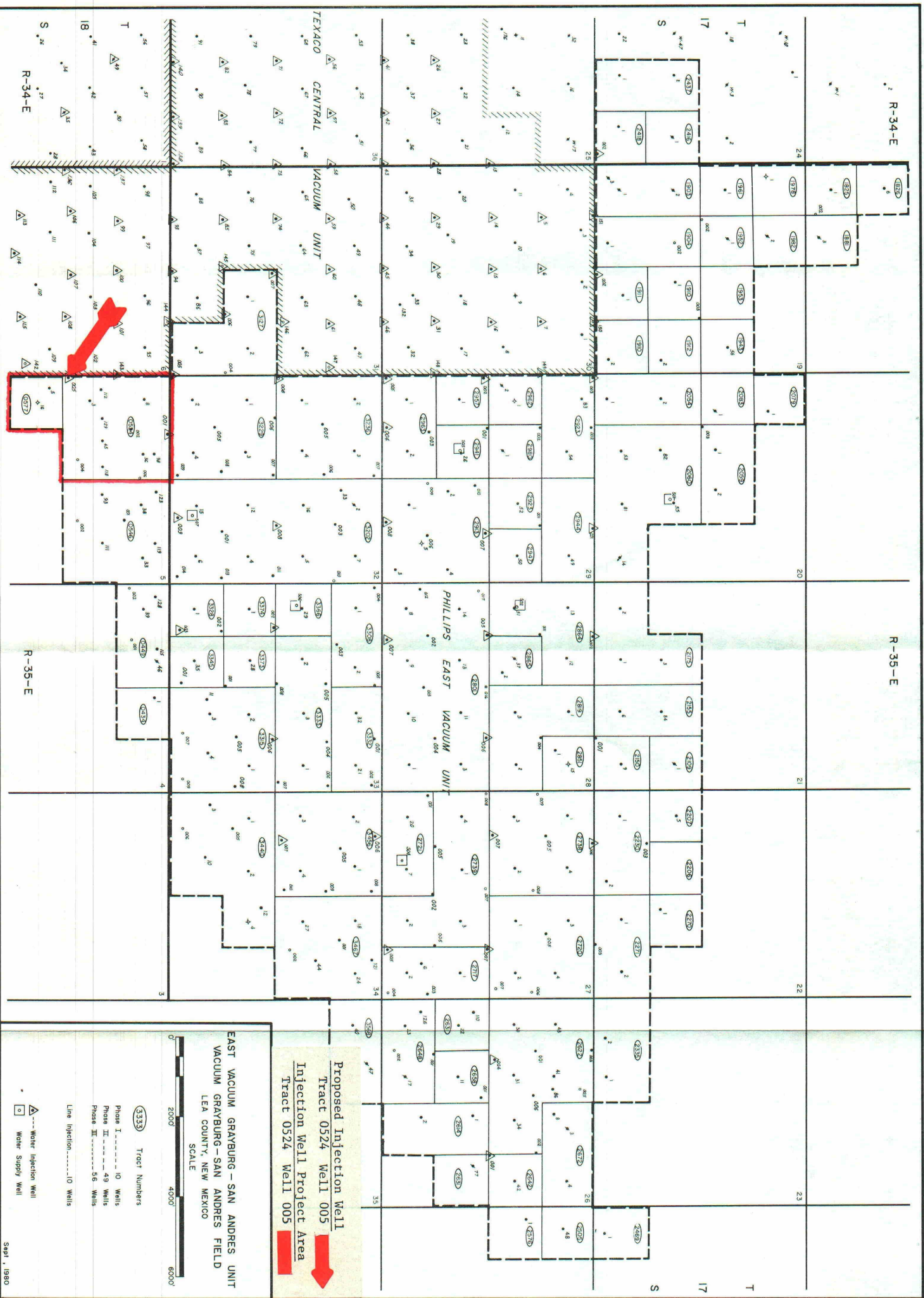
VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEXICO

TRACT 0524 WELL 005

CONVERSION TO WATER INJECTION STATUS









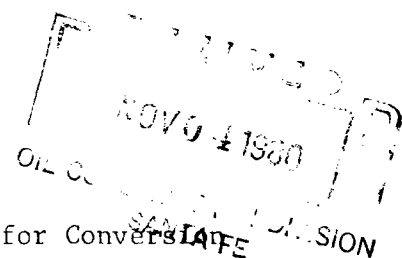


# PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762  
4001 PENBROOK

NATURAL RESOURCES GROUP  
Exploration and Production

October 30, 1980



Waiver of Objection for Conversion  
to Water Injection, East Vacuum  
Grayburg/San Andres Unit, Tract 3236,  
Well No. 008, Tract 2957, Well No. 002,  
and Tract 0524, Well No. 005  
Lea County, New Mexico

Texaco Inc.  
P. O. Box 723  
Hobbs, New Mexico 88240

Attn: Mr. John V. Gannon  
District Superintendent

Gentlemen:

We respectfully request your waiver of objections for three cooperative line injection wells to be equipped for injection service per attached schematics. East Vacuum Grayburg/San Andres Unit, Tract 3236, Well No. 008 is located (Unit E) 2590' FNL and 50' FWL, Section 32, T-17-S, R-35-E, Tract 2957, Well No. 002 is located (Unit L) 2540' FSL and 40' FWL, Section 29, T-17-S, R-35-E, and Tract 0524, Well No. 005, located (Unit E) 2540' FNL and 10' FWL, Section 5, T-18-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:aj  
Attachments

cc: Oil Conservation Division, Santa Fe, New Mexico

WAIVER OF OBJECTIONS

Phillips Petroleum Company  
Conversion to Water Injection Service  
East Vacuum Grayburg/San Andres Unit  
Tract 3236, Well No. 008  
Tract 2957, Well No. 002 and  
Tract 0524, 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 three cooperative line injection wells to be equipped for injection service on their East Vacuum Grayburg/San Andres Unit, Tract 3236, Well No. 008, located (Unit E) 2590' FNL and 50' FWL, Section 32, T-17-S, R-35-E; Tract 2957, Well No. 002, located (Unit L) 2540' FSL and 40' FWL, Section 29, T-17-S, R-35-E; and Tract 0524, Well No. 005, located (Unit E) 2540' FNL and 10' FWL, Section 5, T-18-S, R-35-E, Lea County, New Mexico.

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

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

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

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

CAS:aj



WAIVER OF OBJECTIONS

Phillips Petroleum Company  
Conversion to Water Injection Service  
East Vacuum Grayburg/San Andres Unit  
Tract 3236, Well No. 008  
Tract 2957, Well No. 002 and  
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Company: Texaco Inc.

By: John Weaver

Title: Asst. Div. Petr. Engr.

Date: Nov. 7, 1980

CAS:aj

OIL CONSERVATION DIVISION  
DISTRICT I

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

DATE November 3, 1980

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 Petroleum Co. East Vacuum G/SA Unit	***
Operator	Lease and Well No. Unit, S - T - R

and my recommendations are as follows:

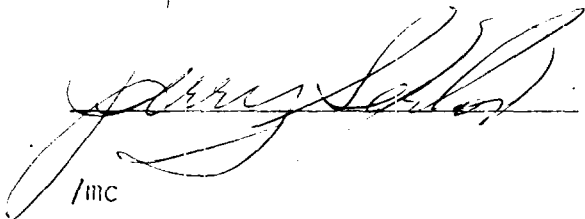
O.K.---J.S.

\*\*\*Tr. 3236 No. 8-E 32-17-35

Tr. 2957 No. 2-L 29-17-35

Tr. 0524 No. 5-E 5-18-35

Yours very truly,

  
/mc



OIL CONSERVATION DIVISION  
DISTRICT I

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

NOV 6 1980  
OIL CC  
SANTA FE

DATE November 3, 1980

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

Gentlemen:

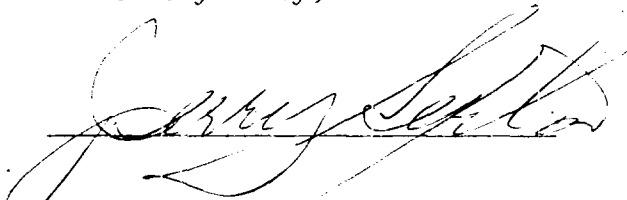
I have examined the application for the:

Phillips Pet. Co. East Vacuum G/SA Unit Tr. 2622	#6-F	26-17-35
Operator	Lease and Well No.	Unit, S - T - R

and my recommendations are as follows:

O.K.---J.S.

Yours very truly,

  
/mc