



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

December 16, 1980

Conversion to Water Injection Service--
East Vacuum Grayburg-San Andres Unit,
Tract 0449, Well No. 002,
Lea County, New Mexico

New Mexico Dept. of Energy & 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 0449, Well No. 002, 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 0449, No. 002--Unit D, 4, 18-S, 35-E.)
2. B. H. C. 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 respective well interval 4460' to 4730'. 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.

An updated status report on Order No. R-5897, Exhibit-C wells was submitted under date of November 26, 1980.

Your consideration and early advice will be appreciated.

Very truly yours,

T. Harold McLemore
Regulation and Proration Supervisor

CAS:js

Attachments

cc: Oil Conservation Division
Hobbs, New Mexico (Attachments without logs)

PHILLIPS PETROLEUM COMPANY

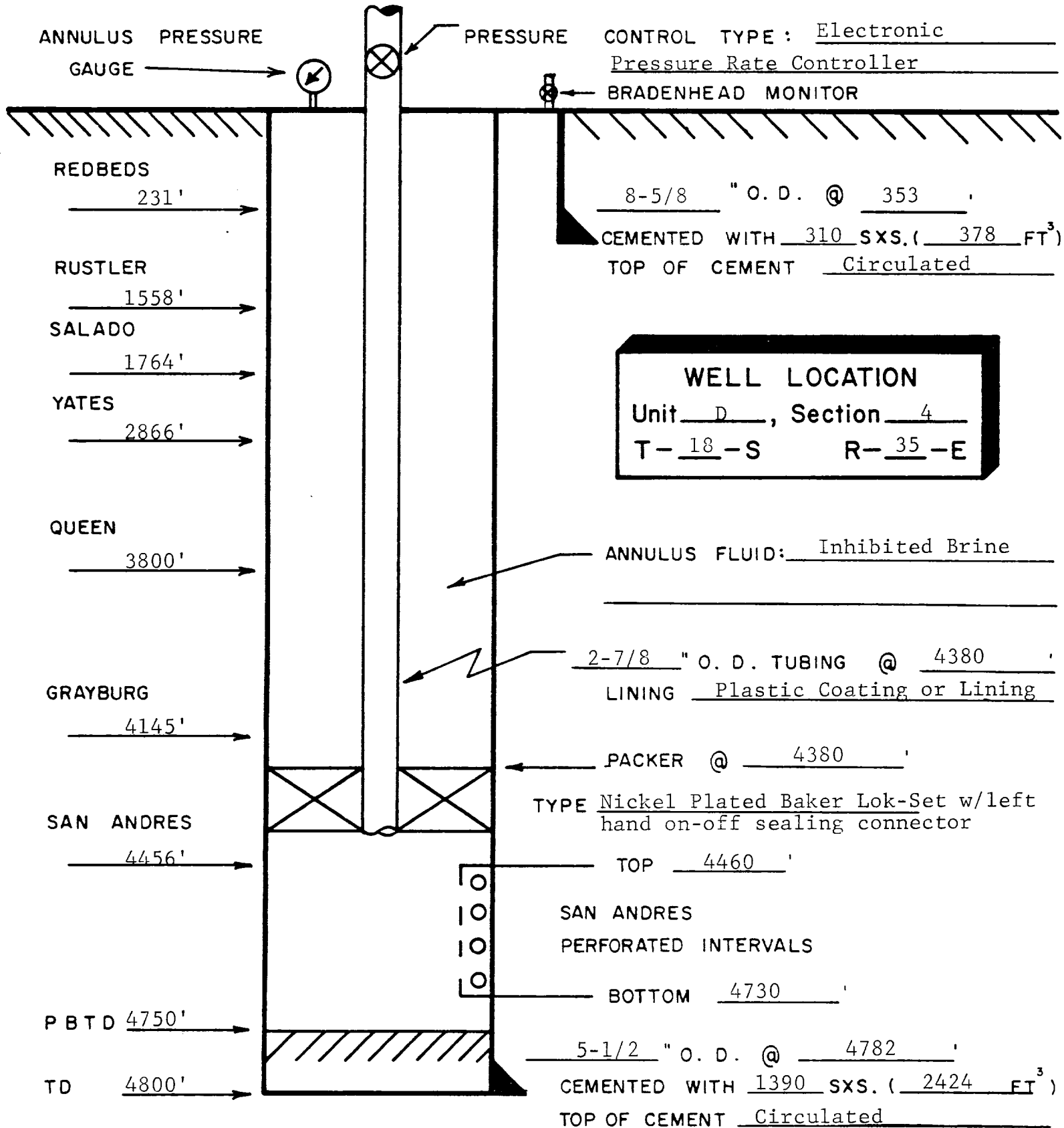
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

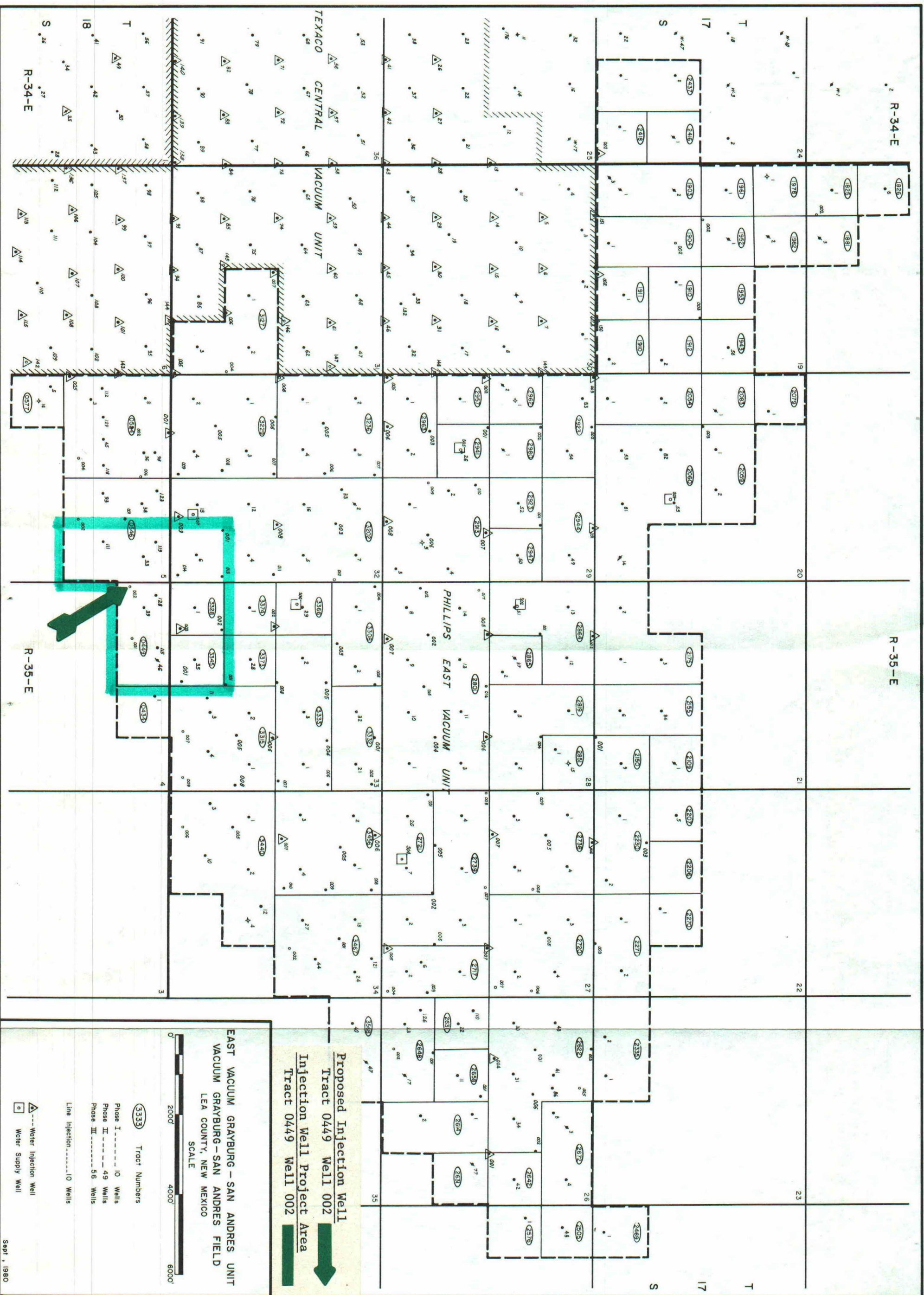
N. M. O. C. D. R-5897

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

TRACT 0449 WELL 002

CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well
Tract 0449 Well 002
Injection Well Project Area
Tract 0449 Well 002

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
- Water Supply Well



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

December 16, 1980

Conversion to Water Injection Service--
East Vacuum Grayburg-San Andres Unit
Tract 0524, Well No. 004
Lea County, New Mexico

OIL CONSERVATION DIVISION

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 water-flood 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 0524, Well No. 004, 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 0524, No. 004--Unit F, 5, 18-S, 35-E.)
2. B.H.C. 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 respective well interval 4565' to 4740'. 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.

A copy of waiver request letter dated December 16, 1980, is attached. Shell Oil Company is to furnish a waiver to your attention.

An updated status report on Order No. R-5897, Exhibit-C wells was submitted under date of November 26, 1980.

Conversion to Water Injection Service--
East Vacuum Grayburg-San Andres Unit
Tract 0524, Well No. 004, Lea Co., N.M.
December 16, 1980
Page: 2

Your consideration and early advice will be appreciated.

Very truly yours,



T. Harold McLemore
Regulation & Proration Supervisor

CAS:aj
Attachments

cc: Oil Conservation Division
Hobbs, New Mexico
(Attachments w/o B.H.C. Sonic Logs)

Shell Oil Company
P. O. Box 576, Entex Bldg.
Houston, Texas 77001
Attn: Mr. J. E. Little



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

December 16, 1980

Waiver of Objection for
Conversion to Water Injection
East Vacuum GB/SA Unit
Tract 0524, Well No. 004
Lea County, New Mexico

Shell Oil Company
P. O. Box 576, Entex Bldg.
Houston, Texas 77001

Attention: Mr. J. E. Little
General Manager

Gentlemen:

We respectfully request your waiver of objection to convert the East Vacuum GB/SA Unit, Tract 0524, Well No. 004, to water injection service per attached application and support documents. This well is located in the East Vacuum Unit pressure maintenance project area, (Unit F), 2300' FNL and 2100' FWL, Section 5, T-18-S, R-35-E, Lea County, New Mexico. The attached plat identifies the well and its location.

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

Your earliest consideration and reply will be appreciated.

Very truly yours,

T. Harold McLemore
Regulation and Proration Supervisor

CAS:js
Attachments

cc: Oil Conservation Division, Santa Fe, New Mexico

Shell Oil Company, as an offset operator hereby waives
any and all objections to the proposal contained herein.

BY: _____
TITLE: _____
DATE: _____

PHILLIPS PETROLEUM COMPANY

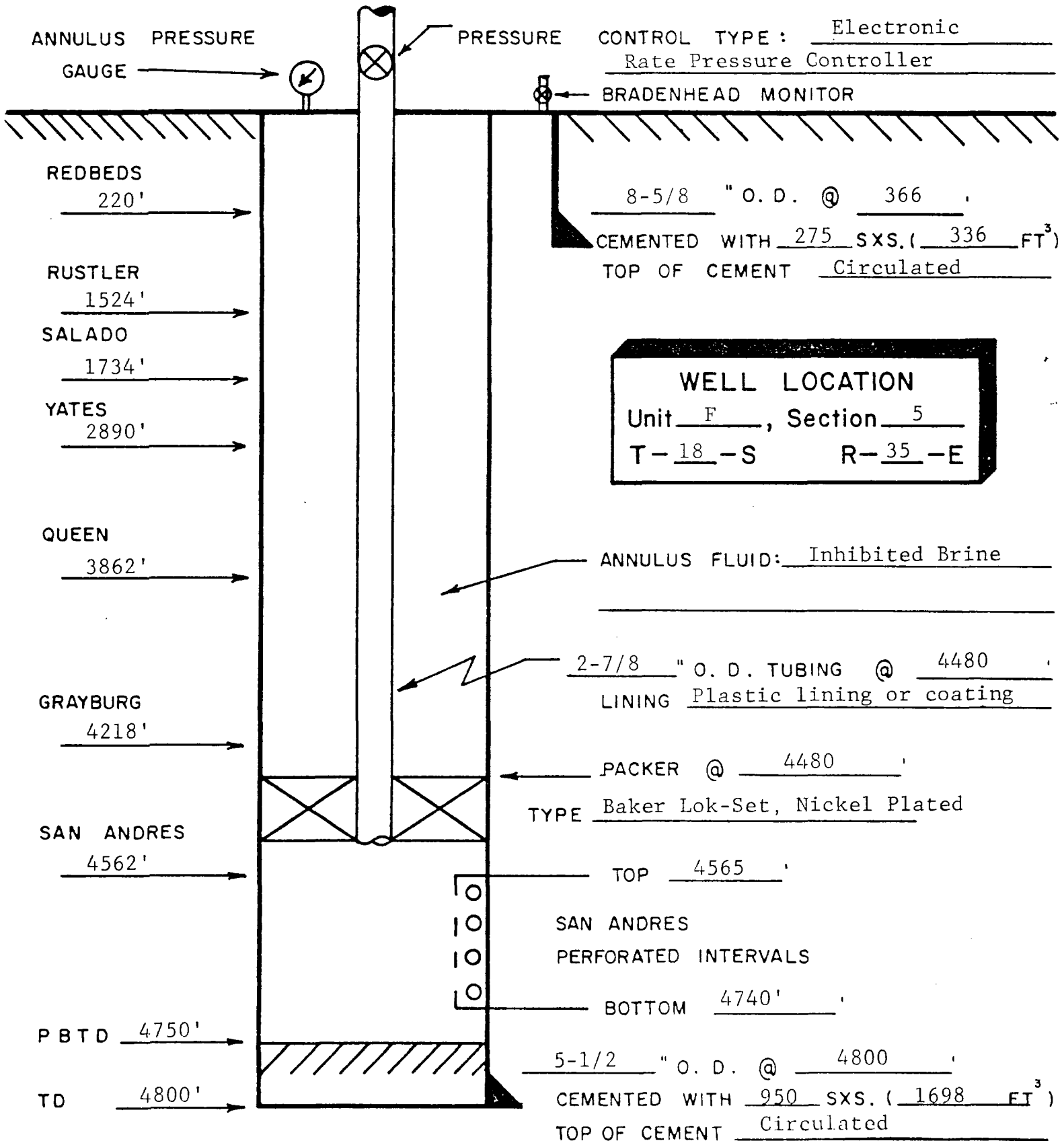
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

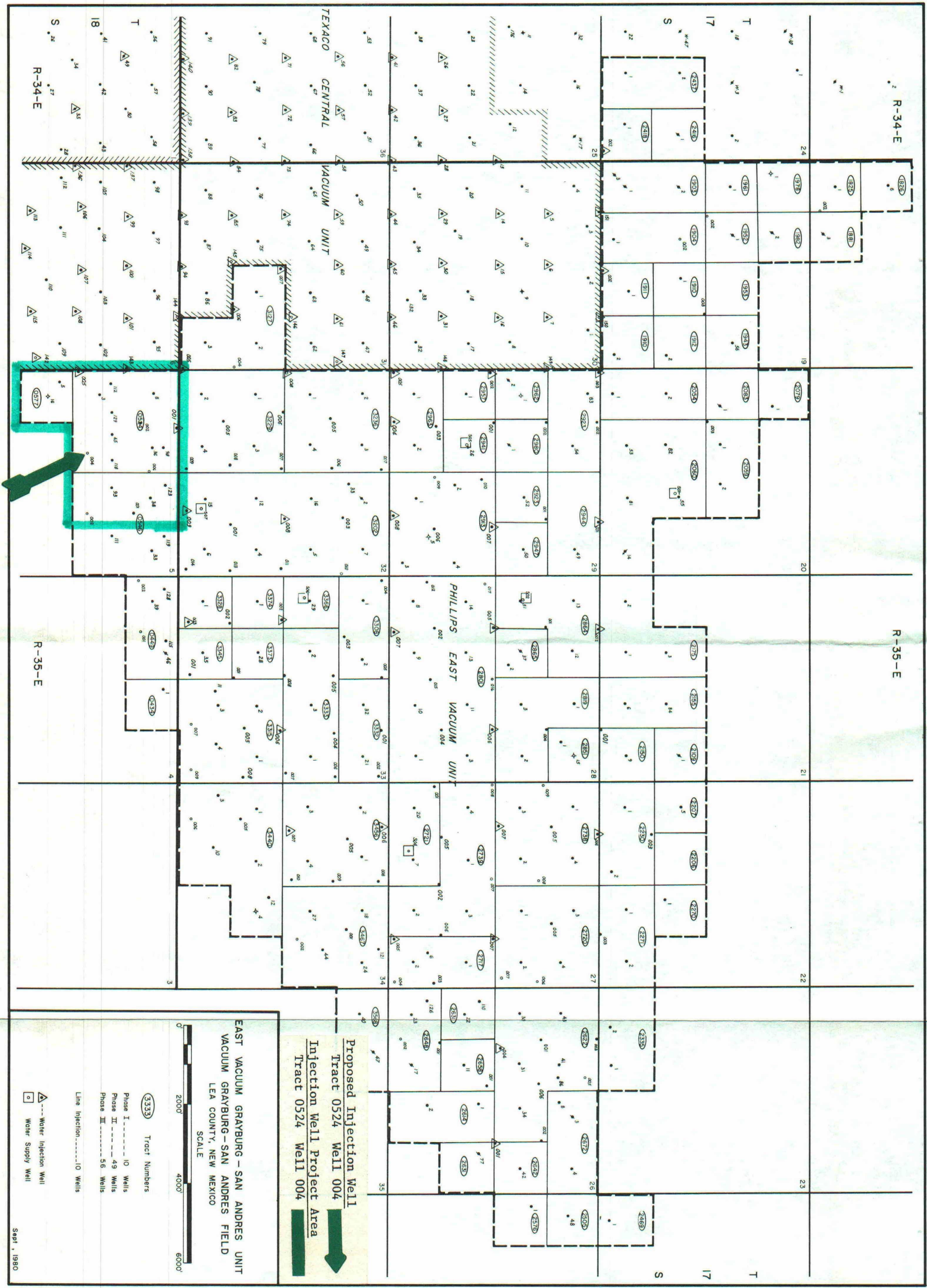
N. M. O. C. D. R - 5897

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

TRACT 0524 WELL 004

CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well
Tract 0524 Well 004
Injection Well Project Area
Tract 0524 Well 004

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
- Line Injection - 10 Wells
- Water Injection Well
- Water Supply Well