



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

November 12, 1980

Conversion to Water Injection Service,
East Vacuum Grayburg-San Andres Unit,
Tract 0449, Well No. 001, Tract 0524,
Well No. 006, and Tract 0546, 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. R5897, Rule No. 9, for the East Vacuum Unit pressure maintenance project, to convert the East Vacuum Grayburg-San Andres Unit, Tract 0449, Well #001, Tract 0524, Well #006, and Tract 0546, Well #002, 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 0449, #001--Unit C, 4, 18-S, 35-E.; Tract 0524, #006--Unit C, 5, 18-S, 35-E; and Tract 0546, #002--Unit G, 5, 18-S, 35-E.)
2. Compensated Neutron and Borehole Compensated 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 intervals 4650' to 4750', 4480' to 4720', and 4626' 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.

A status report on Order No. R5897, 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 Supv.

CAS:skm
Attachments

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

PHILIPS PETROLEUM COMPANY

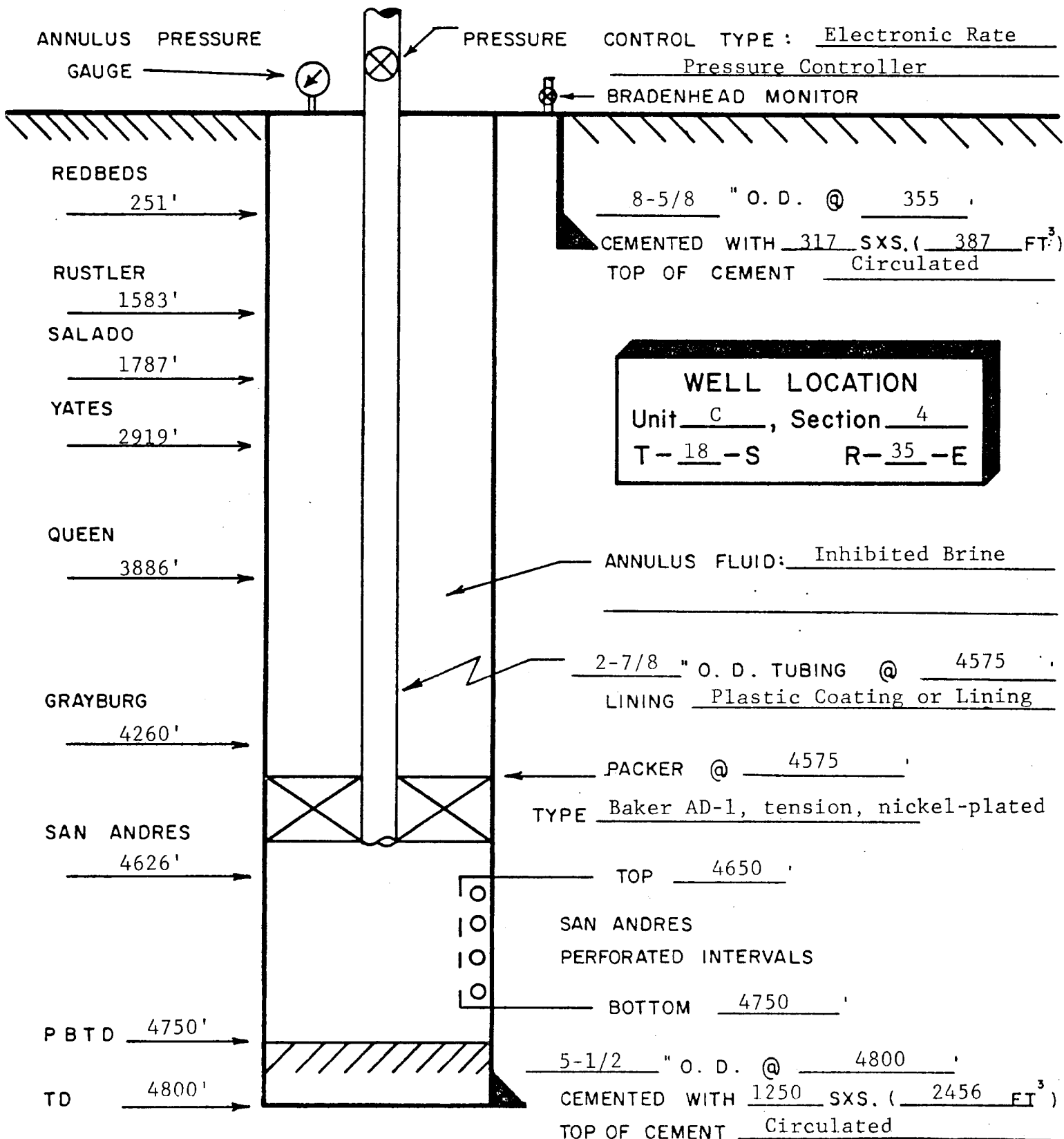
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

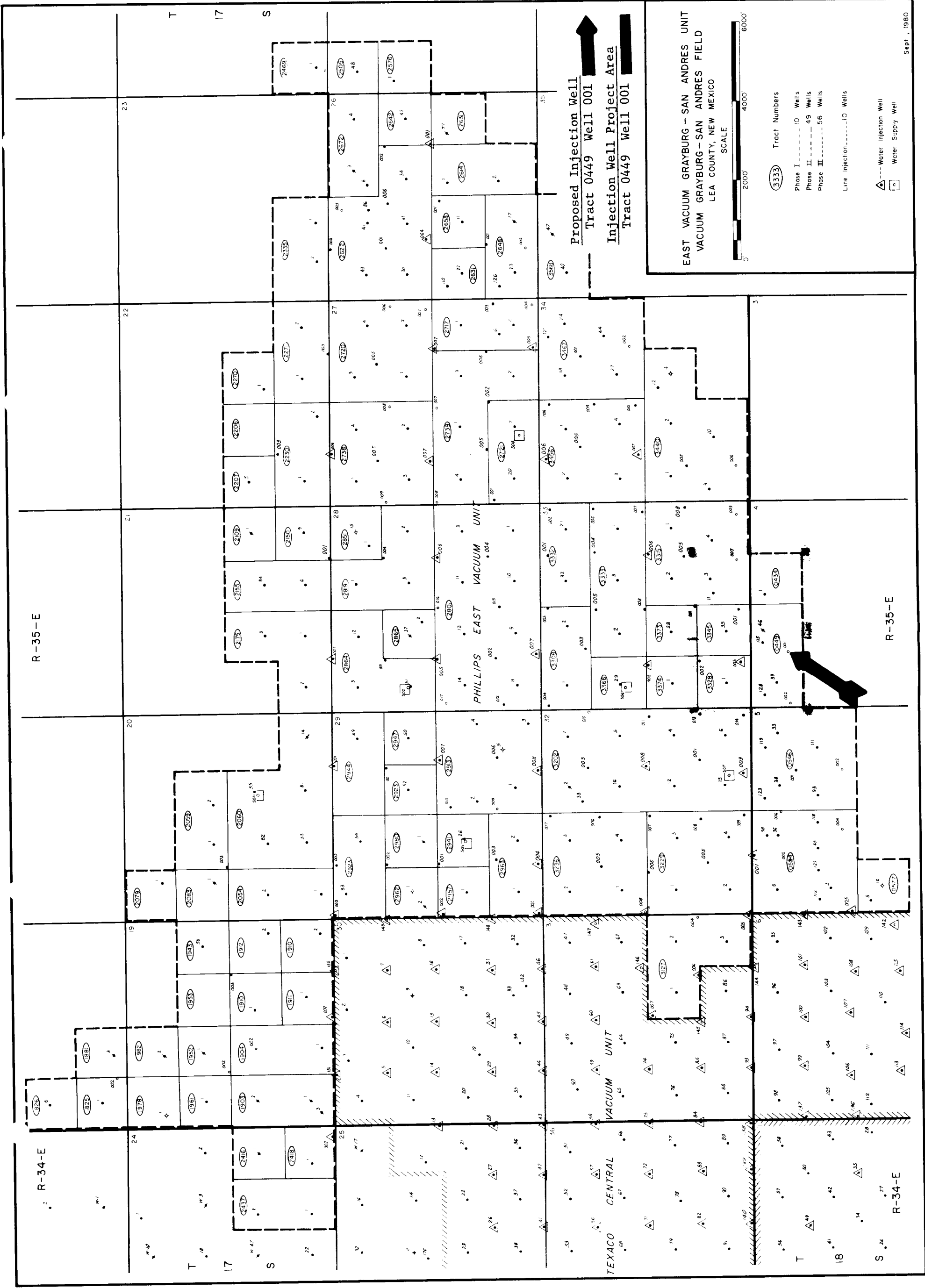
N. M. O. C. D. R-5897

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

TRACT 0449 WELL 001

CONVERSION TO WATER INJECTION STATUS





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 (Symbol)
- Water Supply Well (Symbol)

Proposed Injection Well
 Tract 0449 Well 001

Injection Well Project Area
 Tract 0447 Well 001

PHILLIPS PETROLEUM COMPANY

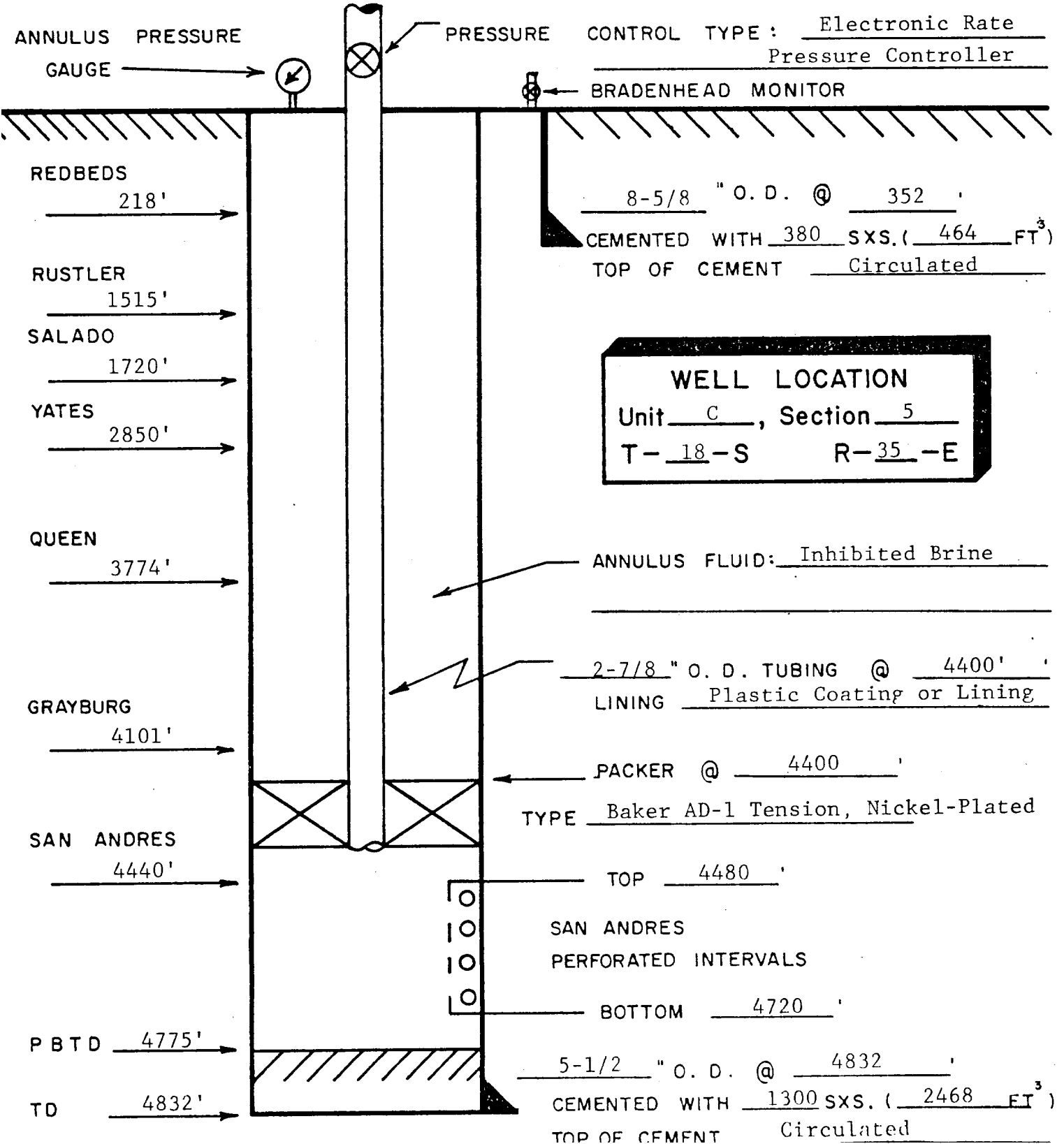
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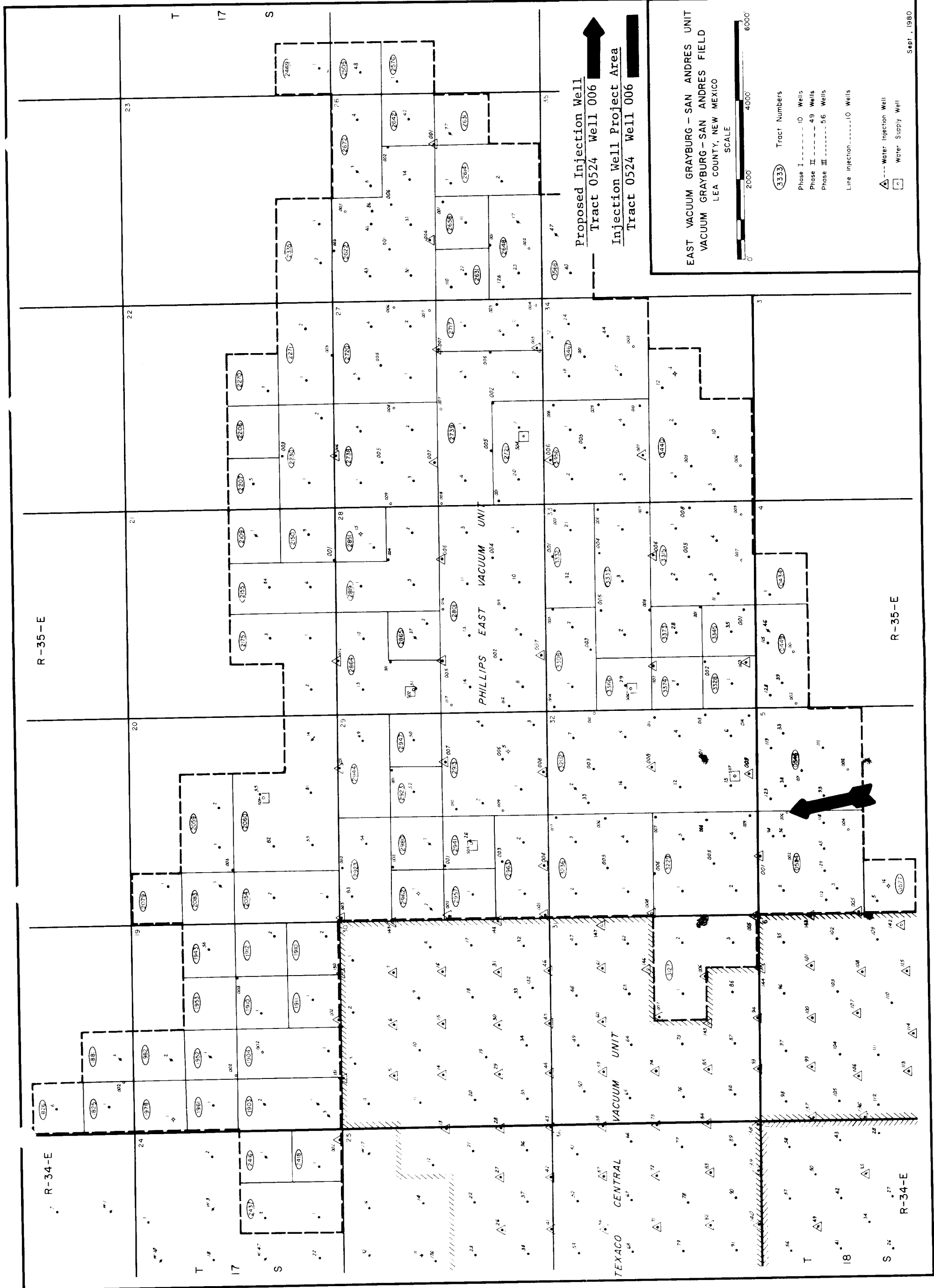
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VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEXICO

TRACT 0524 WELL 006

CONVERSION TO WATER INJECTION STATUS





R-35-E

R-35-E

R-34-E

R-34-E

PHILLIPS EAST VACUUM UNIT

PHILLIPS CENTRAL VACUUM UNIT

Proposed Injection Well
 Tract 0524 Well 006
 Injection Well Project Area
 Tract 0524 Well 006

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



Tract Numbers

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

Line Injection - - - - - 10 Wells

Water Injection Well
 Water Supply Well

Sept. 1980

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 0546 WELL 002

CONVERSION TO WATER INJECTION STATUS

