



## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762  
4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP

March 12, 1981

Conversion to Water Injection Service--  
East Vacuum Grayburg/San Andres Unit  
Tract 2622, Well No. 005;  
East Vacuum Grayburg/San Andres Unit  
Tract 1825, Well No. 002;  
East Vacuum Grayburg/San Andres Unit  
Tract 3440, 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 pressure maintenance project, as provided by Order No. R-5897, Rule No. 9, for the East Vacuum Grayburg/San Andres Unit, Tract 2622, Well No. 005; East Vacuum Grayburg/San Andres Unit, Tract 1825, Well No. 002; and East Vacuum Grayburg/San Andres Unit, Tract 3440, Well No. 006 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 of each well. (Tract 2622, No. 005--Unit C, Section 26, T-17-S, R-35-E; Tract 1825, No. 002--Unit M, Section 18, T-17-S, R-35-E; Tract 3440, No. 006--Unit M, Section 34, T-17-S, R-35-E.)
2. Compensated Neutron log (Tract 3440, No. 006) or Borehold Compensated Sonic log (Tract 2622, No. 005 and Tract 1825, No. 002) of the injection well.
3. Diagramatic sketch of each proposed well, injection tubing, packer, and pressure control elements identifying the San Andres perforated injection intervals.
4. The name of the injection formation of each well is San Andres with injection to be into the well intervals as follows: Tract 2622, No. 005--4470' to 4700'; Tract 1825, No. 002--4660' to 4760'; and Tract 3440, No. 006--4540' 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 for all identified wells.

Conversion to Water Injection Service--  
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Tract 2622, Well No. 005;  
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Tract 1825, Well No. 002;  
East Vacuum Grayburg/San Andres Unit  
Tract 3440, Well No. 006;  
Lea County, New Mexico  
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By copy hereof, respective offset operators (attached list) are notified of this application. Their waivers of objection are requested.

A status report on Order No. R-5897, Exhibit "C" Wells has previously been submitted.

Your consideration and early advice will be appreciated.

Yours very truly,



T. Harold McLemore  
Regulation and Proration  
Supervisor

SKN:lw  
Enclosures

cc: Oil Conservation Division  
Hobbs, New Mexico  
(Attachments w/o logs)  
Offset Operators (Addressee List Attached)  
(Attachments w/o logs)

Offset Operators

East Vacuum Grayburg/San Andres Unit, Tract 2622, No. 005

Shell Oil Company  
Box 991, Entex Bldg.  
1200 Milam  
Houston, Texas 77001

Cities Service Company  
Box 22082  
Houston, Texas 77056

East Vacuum Grayburg/San Andres Unit, Tract 1825, No. 002

Texaco, Inc.  
Box 3109  
Midland, Texas 79702

Wolfson Oil Company  
311 C & I Bldg  
Midland, Texas 79701

Penzoil Company  
Box 2967, 700 Milam  
Houston, Texas 77001

East Vacuum Grayburg/San Andres Tract 3440, No. 006

Atlantic Richfield Company  
Box 1610  
Midland, Texas 79702

Chevron U.S.A., Inc.  
Box 1660  
800 Wall Towers East Bldg.  
Midland, Texas 79702

Marathon Oil Company  
Box 552  
C & K Petroleum Bldg.  
Midland, Texas 79702

PHILIPS PETROLEUM COMPANY

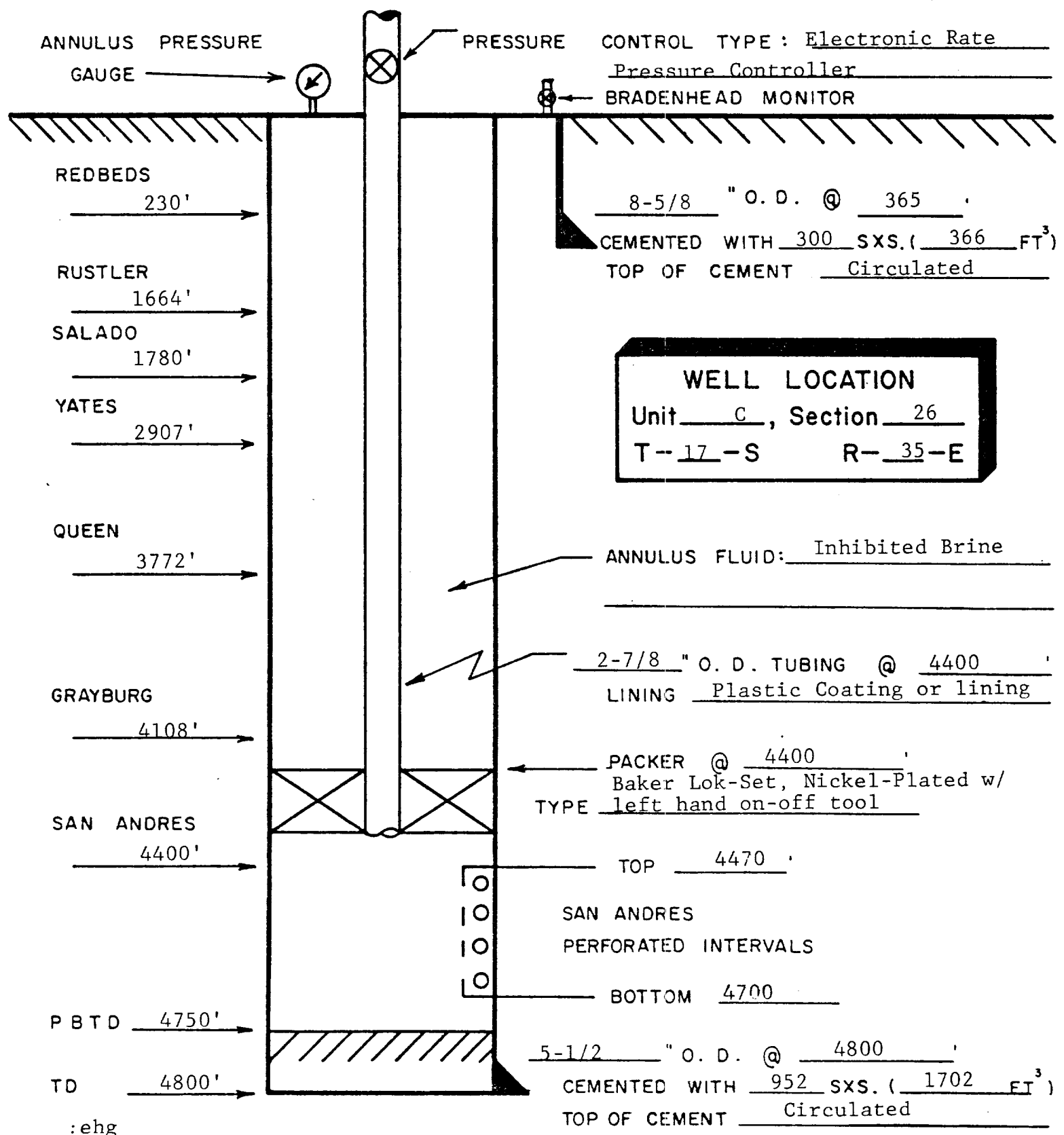
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

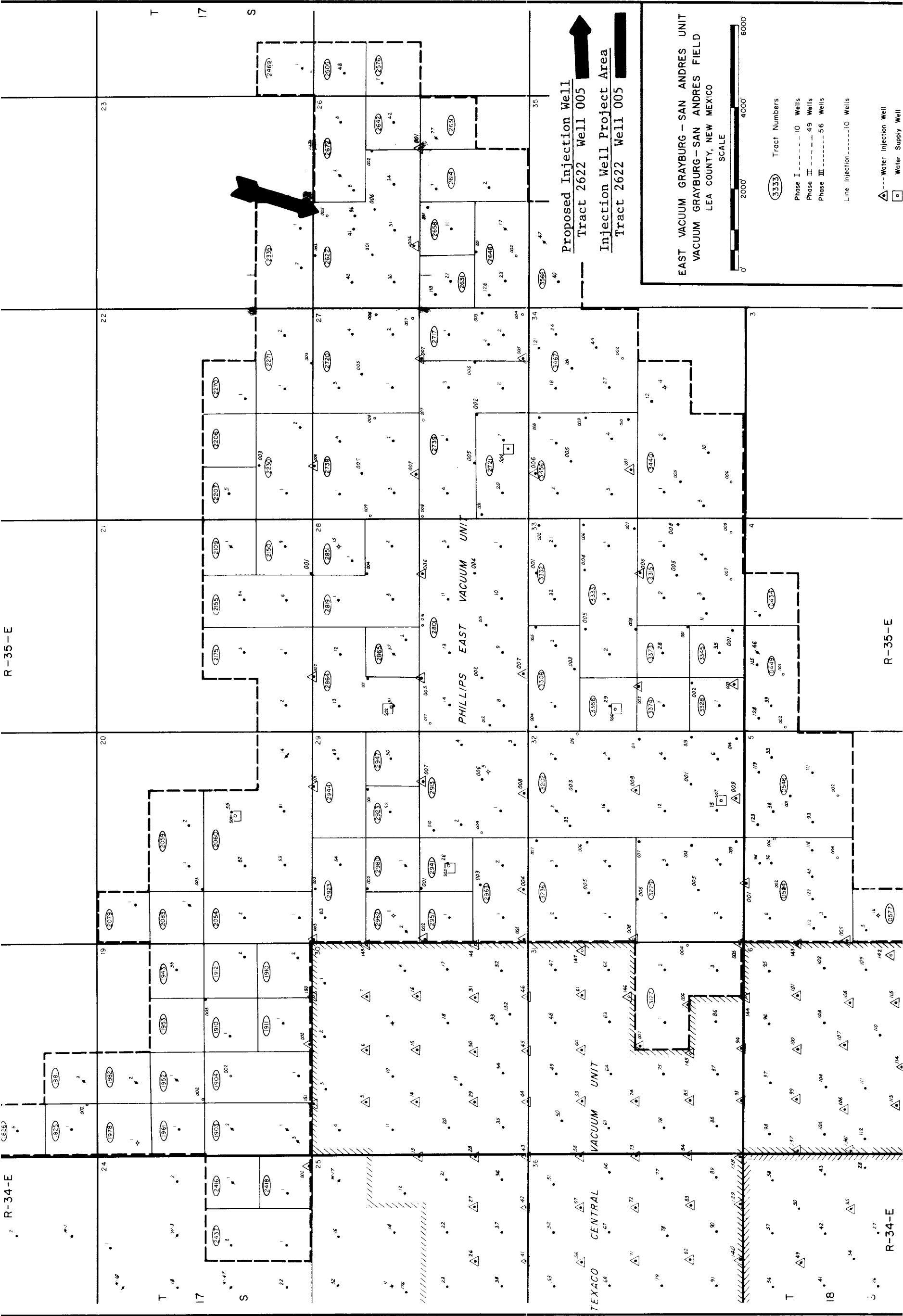
N.M.O.C.D. R-5897

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

TRACT 2622 WELL 005

CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well  
Tract 2622 Well 005  
Injection Well Project Area  
Tract 2622 Well 005

# PHILIPS PETROLEUM COMPANY

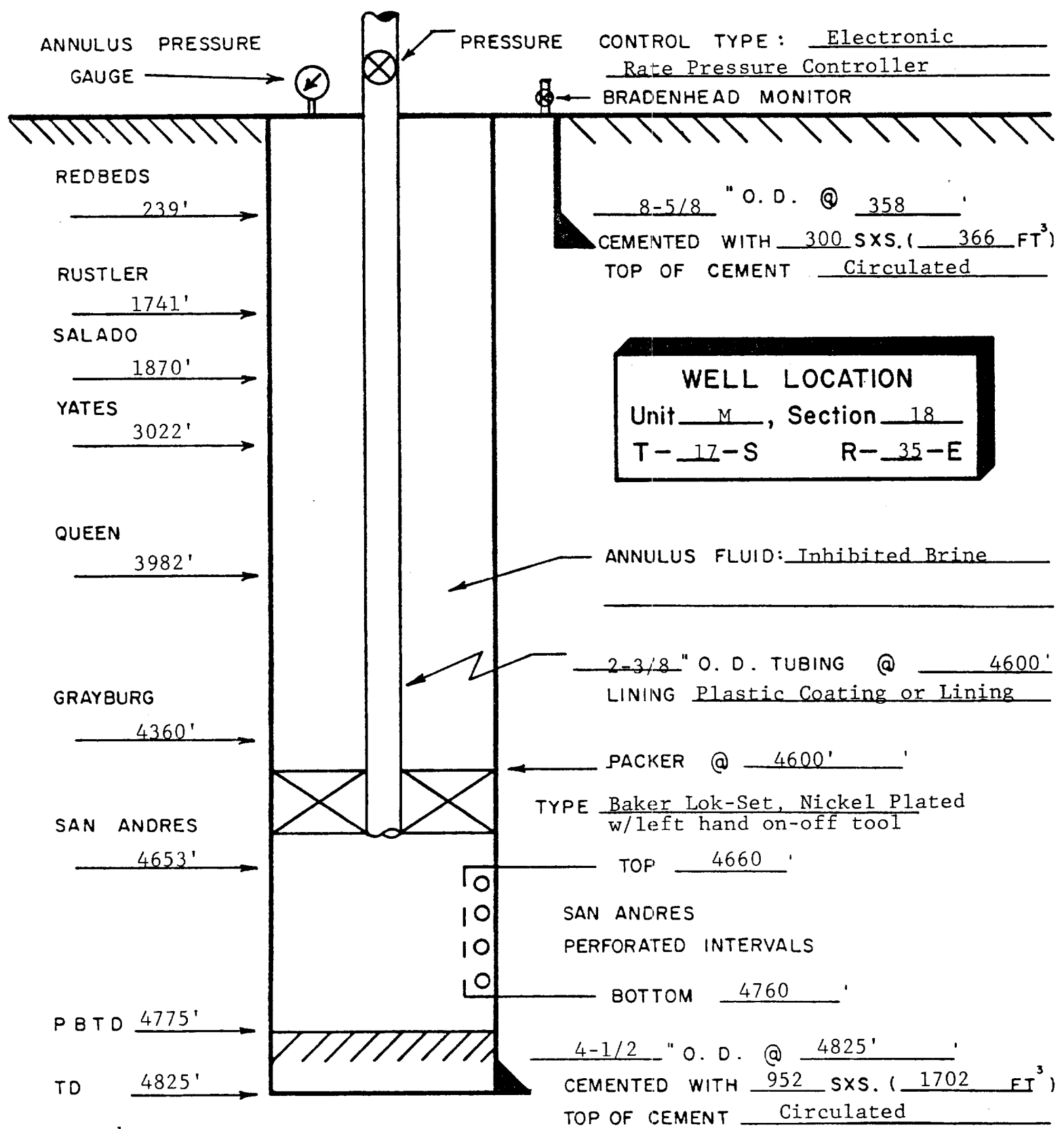
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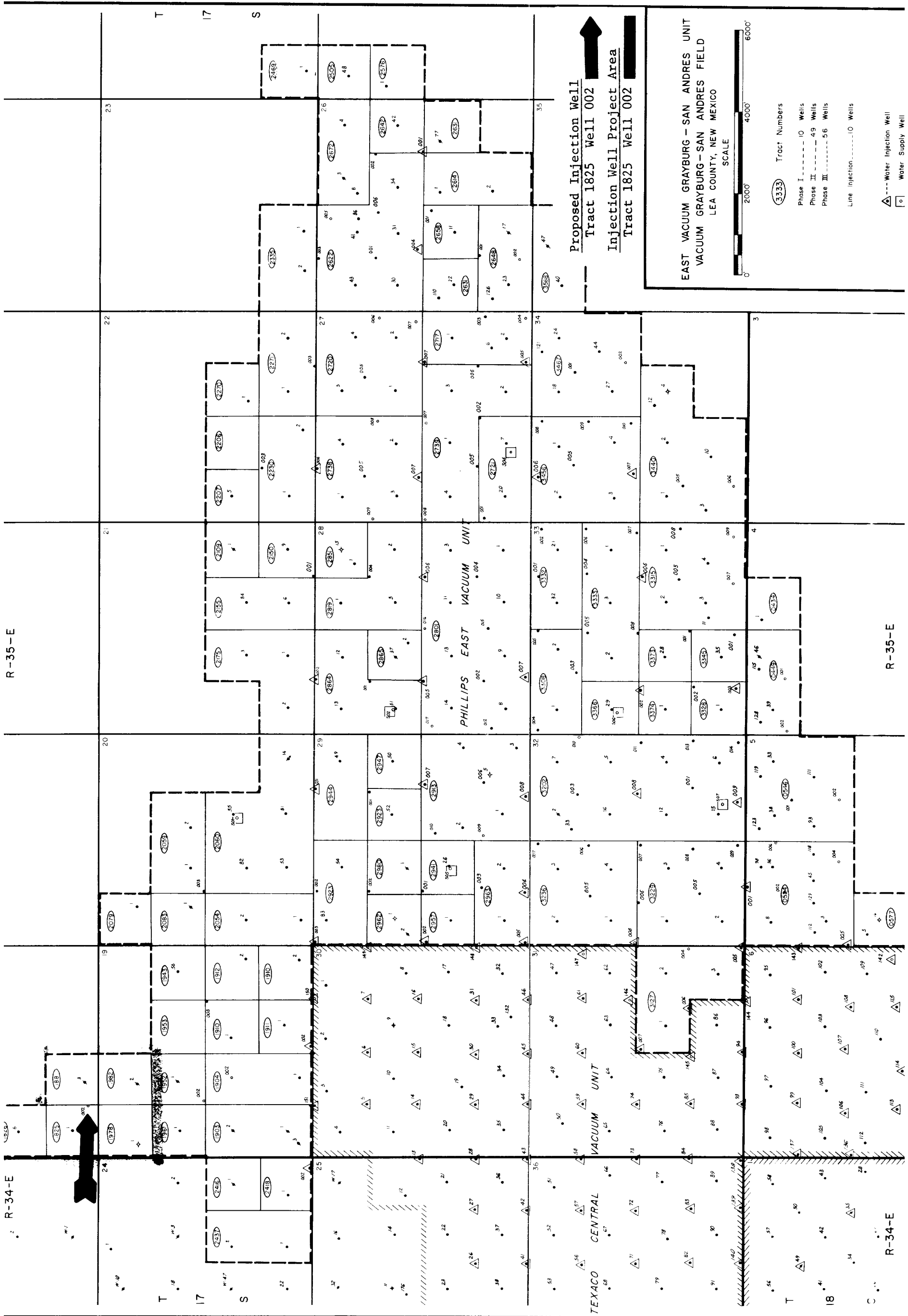
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VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEXICO

TRACT 1825 WELL 002

CONVERSION TO WATER INJECTION STATUS





R-34-E

R-35-E

Proposed Injection Well  
Tract 1825 Well 002  
Injection Well Project Area  
Tract 1825 Well 002

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

SCALE  
0 2000' 4000' 6000'

Tract Numbers  
3333

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

Line Injection - 10 Wells

Water Injection Well  
Water Supply Well

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EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

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

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

TRACT 3440 WELL 006

CONVERSION TO WATER INJECTION STATUS

