



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.

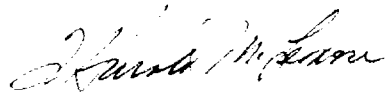
Conversion to Water Injection Service--
East Vacuum Grayburg/San Andres Unit
Tract 2622, Well No. 005;
East Vacuum Grayburg/San Andres Unit
Tract 1825, Well No. 002;
East Vacuum Grayburg/San Andres Unit
Tract 3440, Well No. 006;
Lea County, New Mexico
Page: 2

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

PHILLIPS PETROLEUM COMPANY

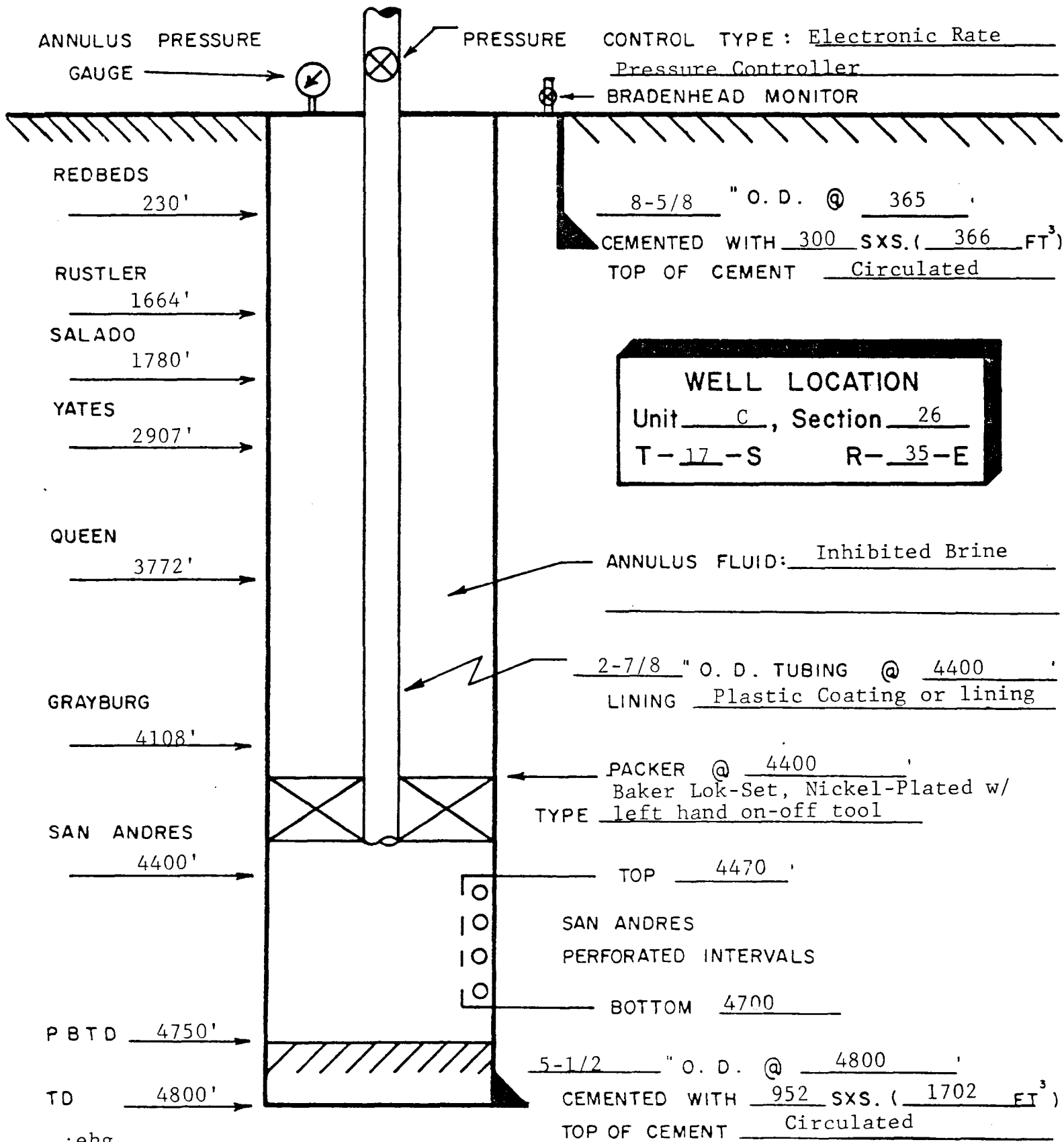
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

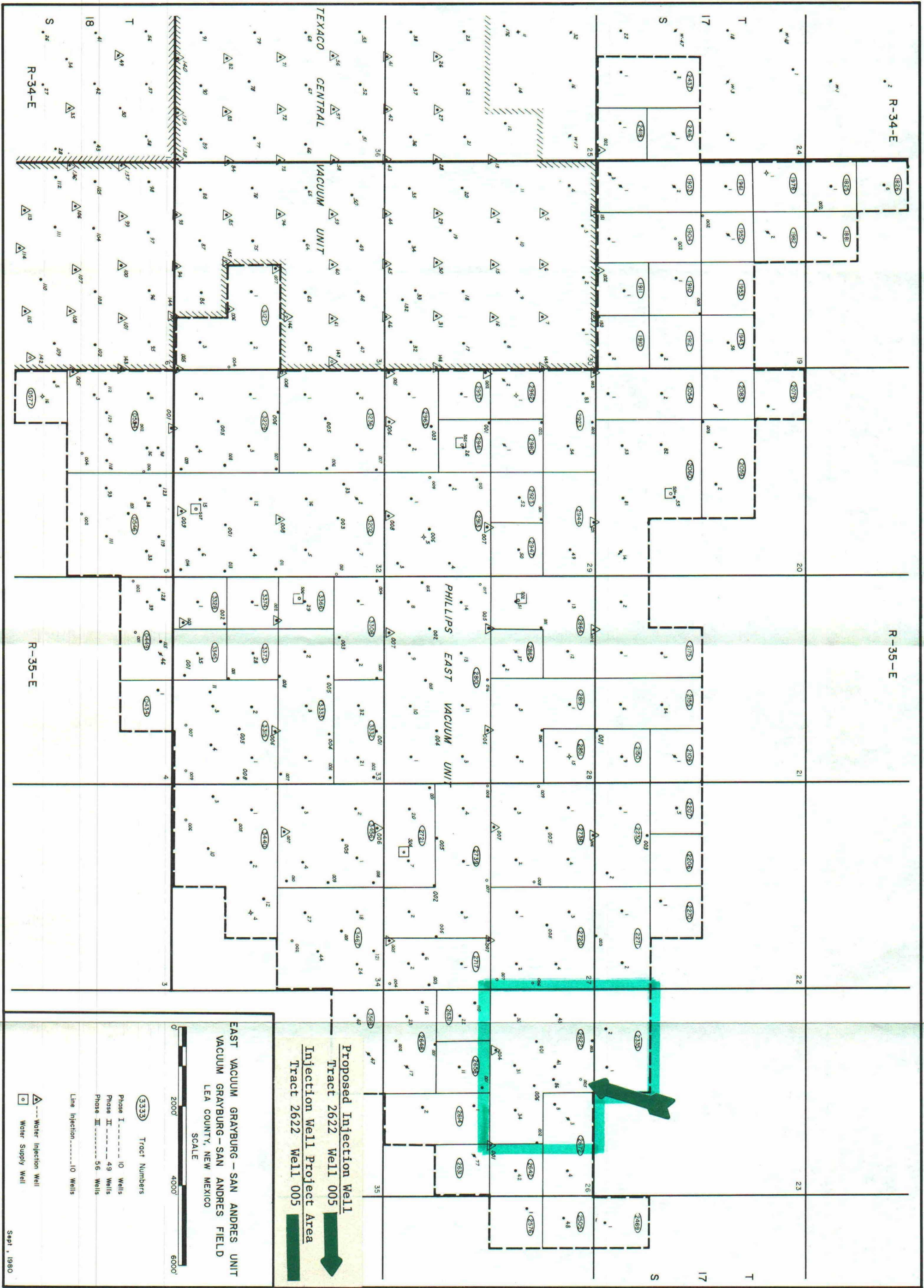
N. M. O. C. D. R-5897

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

TRACT 2622 WELL 005

CONVERSION TO WATER INJECTION STATUS





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

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

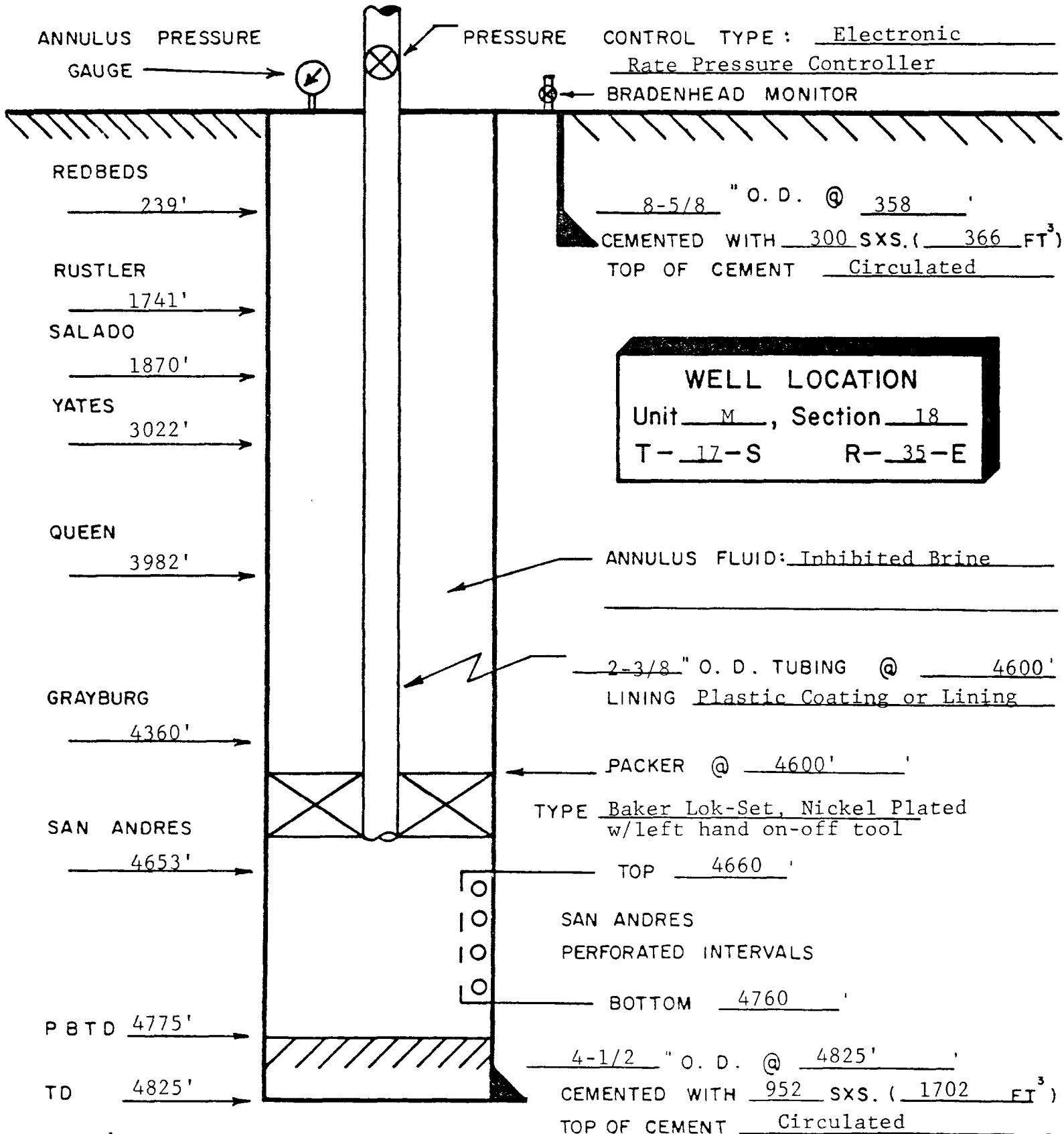


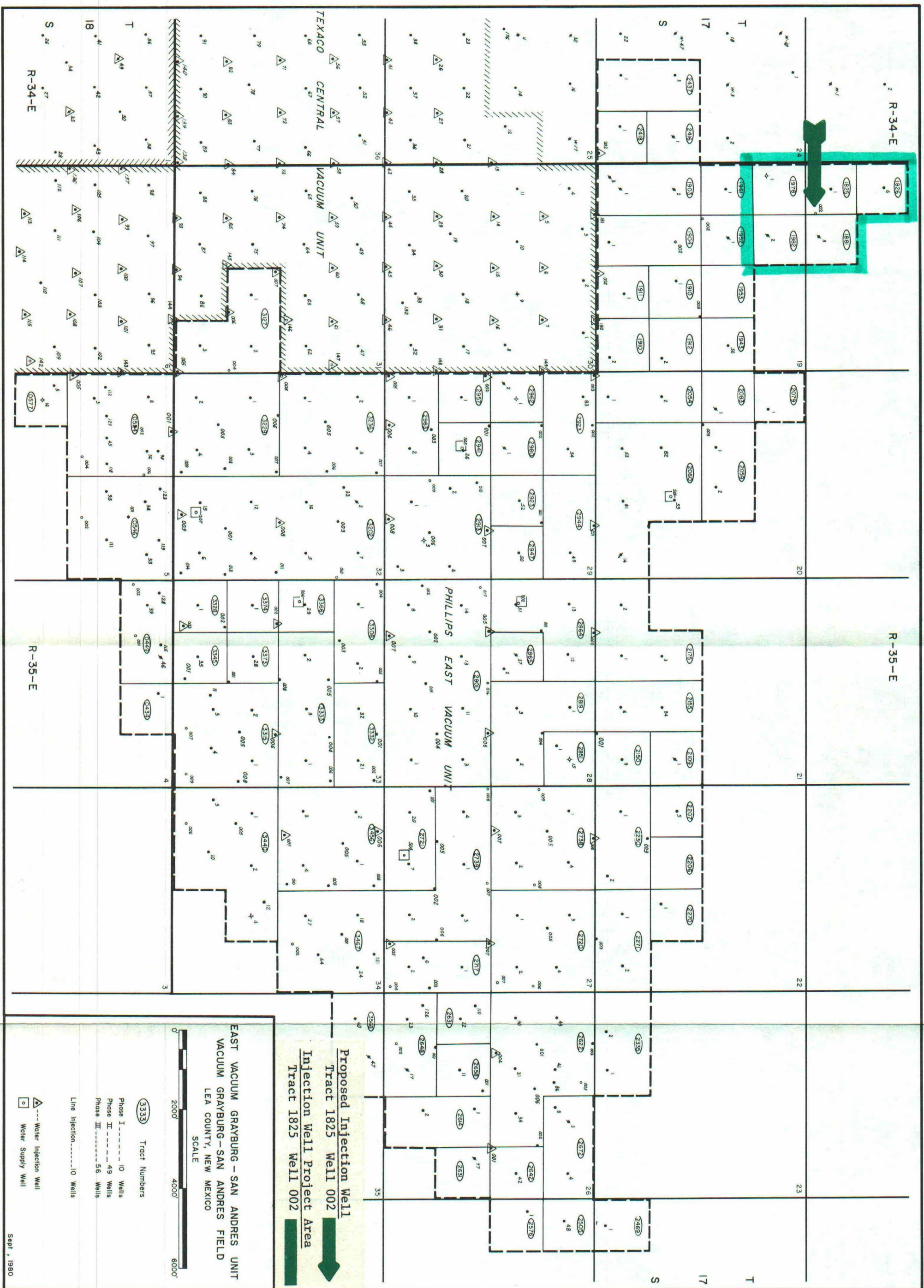
- (3333) Tract Numbers
- Phase I ----- 10 Wells
- Phase II ----- 49 Wells
- Phase III ----- 56 Wells
- Line Injection ----- 10 Wells
- Water Injection Well (triangle symbol)
- Water Supply Well (circle symbol)

PHILLIPS PETROLEUM COMPANY

EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT
N. M. O. C. D. R- 5897
VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEXICO
TRACT 1825 WELL 002

CONVERSION TO WATER INJECTION STATUS





PHILLIPS PETROLEUM COMPANY

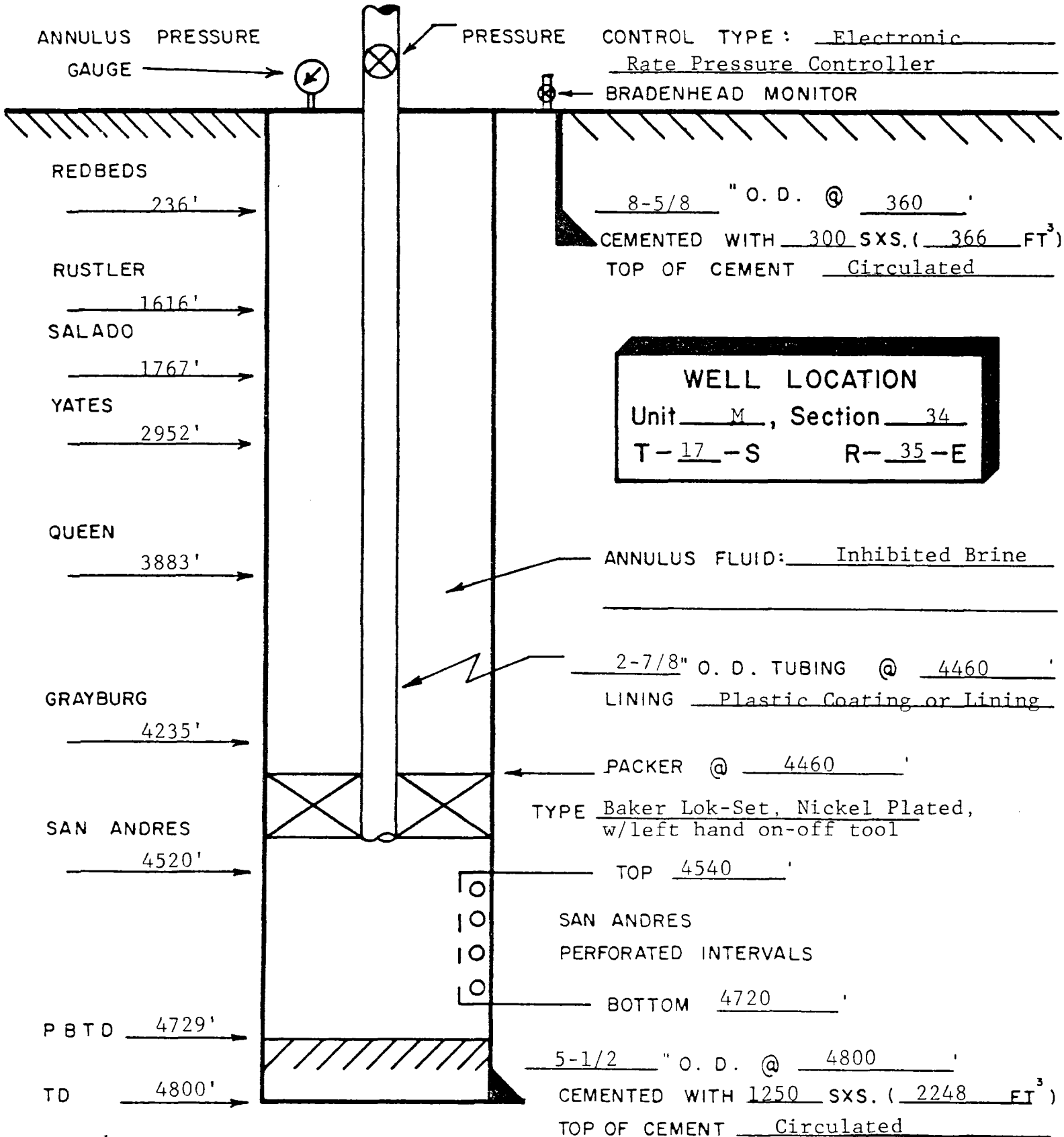
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

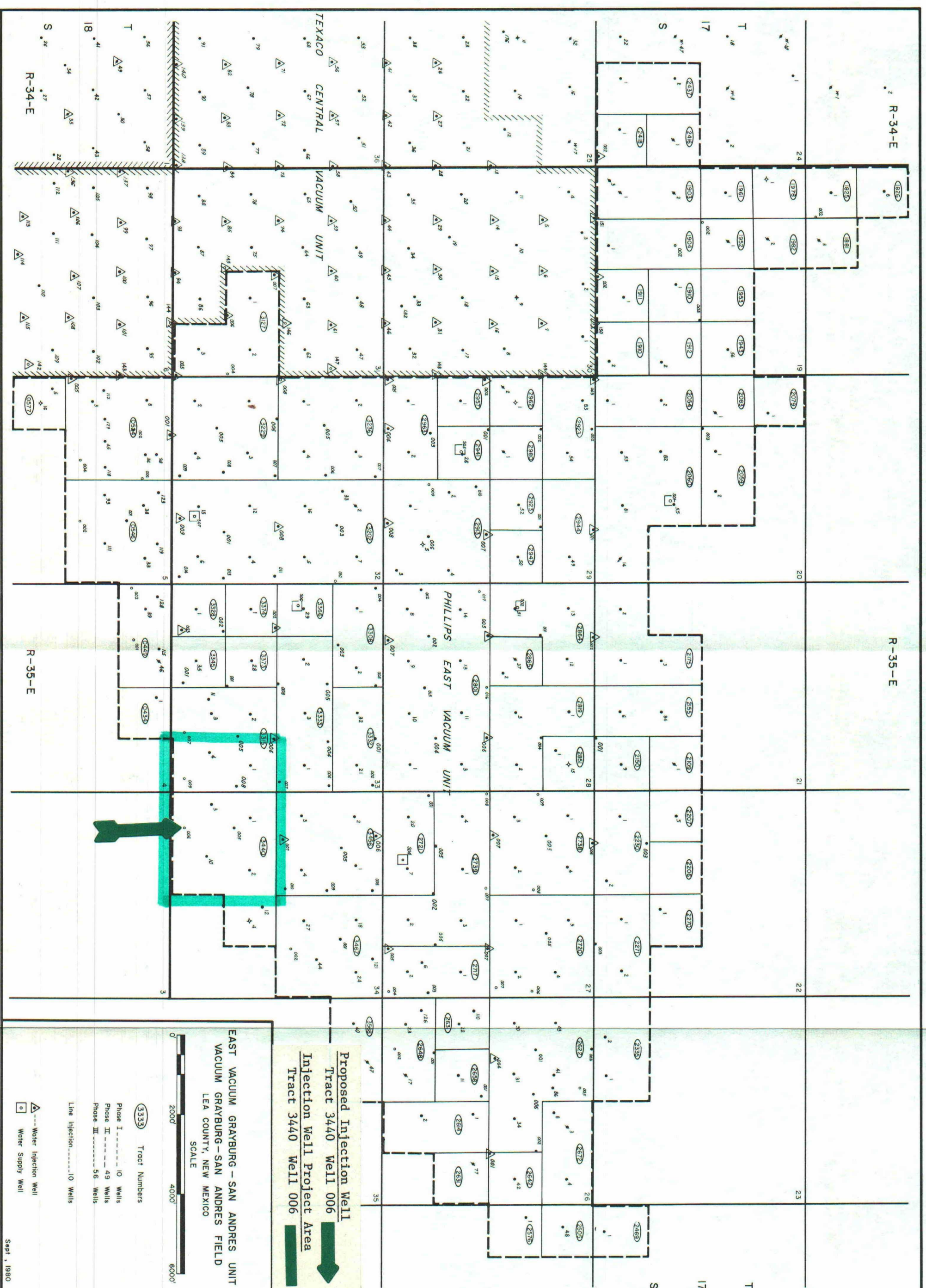
N. M. O. C. D. R-5897

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

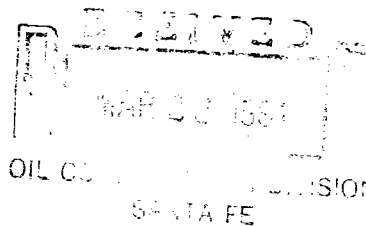
TRACT 3440 WELL 006

CONVERSION TO WATER INJECTION STATUS





OIL CONSERVATION DIVISION
DISTRICT I



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

DATE March 17, 1981

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed NSP _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX X

Gentlemen:

I have examined the application for the: Tr. 1825 #2-M 18-17-35
Tr. 2622 #5-C 26-17-35
Phillips Pet. Co. E. Vacuum G/SA Unit Tr. 3440 #6-M 34-17-35
Operator Lease and Well No. Unit, S - T - R

and my recommendations are as follows:

O.K.----J.S.

Yours very truly,

/mc