



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

June 2, 1981

Expansion of Waterflood Project
East Vacuum Grayburg/San Andres
Lea County, New Mexico

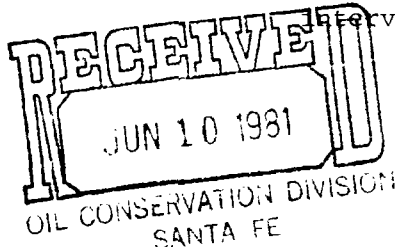
New Mexico Department of Energy and Minerals (3)
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey
Division Director

Gentlemen:

We respectfully request administrative approval of expansion of waterflood injection well pattern, as provided by Order No. R-5897, Rule No. 9, for the East Vacuum Grayburg/San Andres Unit pressure maintenance project, to convert East Vacuum Grayburg/San Andres Unit, Tract 2851, Well No. 002; East Vacuum Grayburg/San Andres Unit, Tract 2865, Well No. 001; and East Vacuum Grayburg/San Andres Unit, Tract 2947, Well No. 001, to water injection service. The following data is submitted in support of this request.

1. Unit plat reflecting the proposed injection well and injection area of each well (Tract 2851, No. 002--Unit A, Section 28, T-17-S, R-35-E; Tract 2865, No. 001--Unit F, Section 28, T-17-S, R-35-E, Tract 2947, No. 001--Unit A, Section 29, T-17-S, R-35-E).
2. Casing Compensated Neutron log for the injection well.
3. Diagramatic sketch of each proposed well, injection tubing, packer, and pressure control elements identifying the San Andres perforated injection intervals.

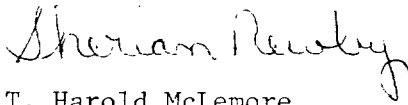


Expansion of Waterflood Project
June 2, 1981
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4. The name of the injection formation of each well is San Andres with injection to be into the well intervals as follows: Tract 2851, No. 002--4490'-4600'; Tract 2865, No. 001--4450'-4600'; and Tract 2947, No. 001--4470'-4650'. 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 to 2500 bbls for all identified wells.

Your consideration and early advice will be appreciated.

Yours very truly,


for T. Harold McLemore
Regulation and Proration Supervisor

SKN:gr
Enclosures

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

PHILLIPS PETROLEUM COMPANY

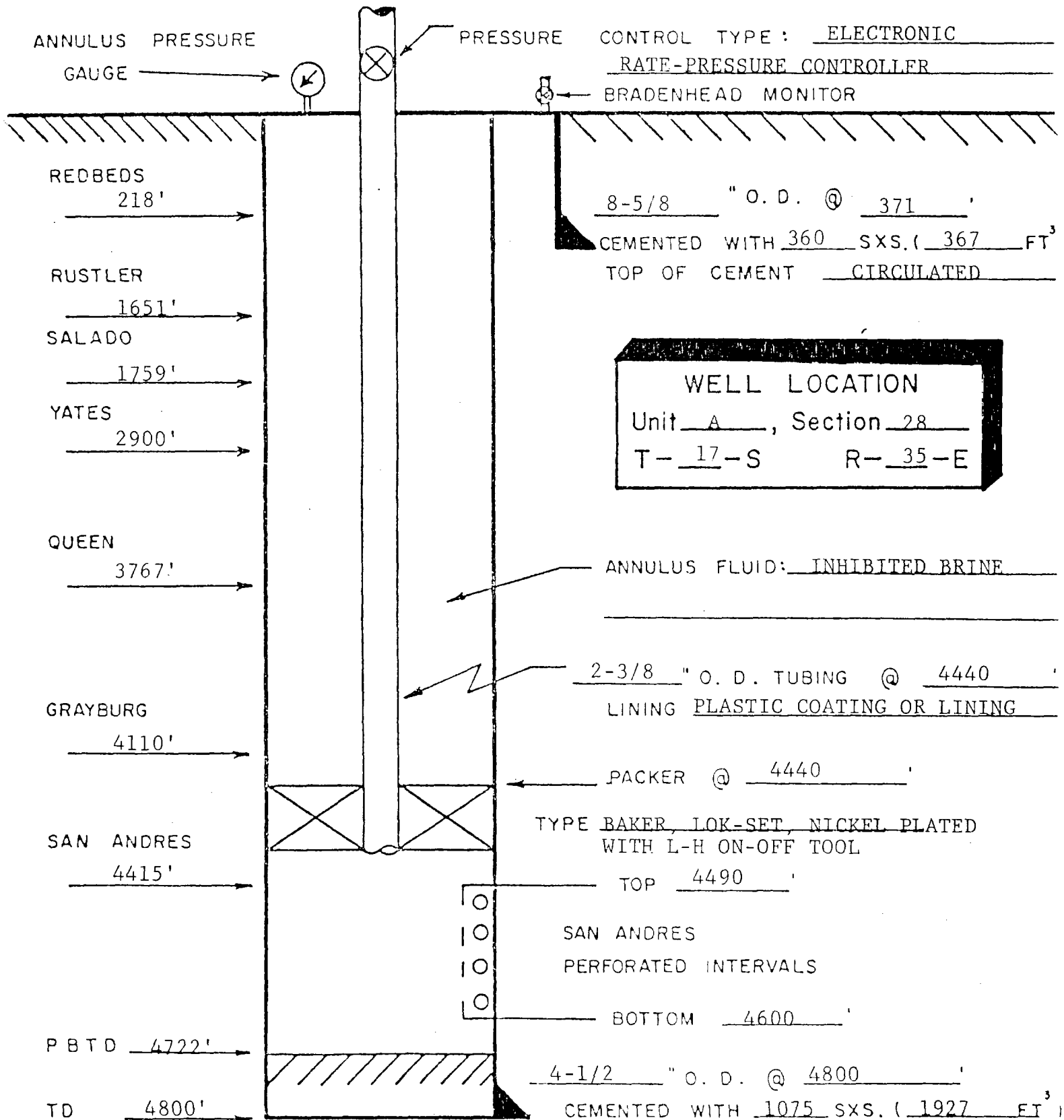
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

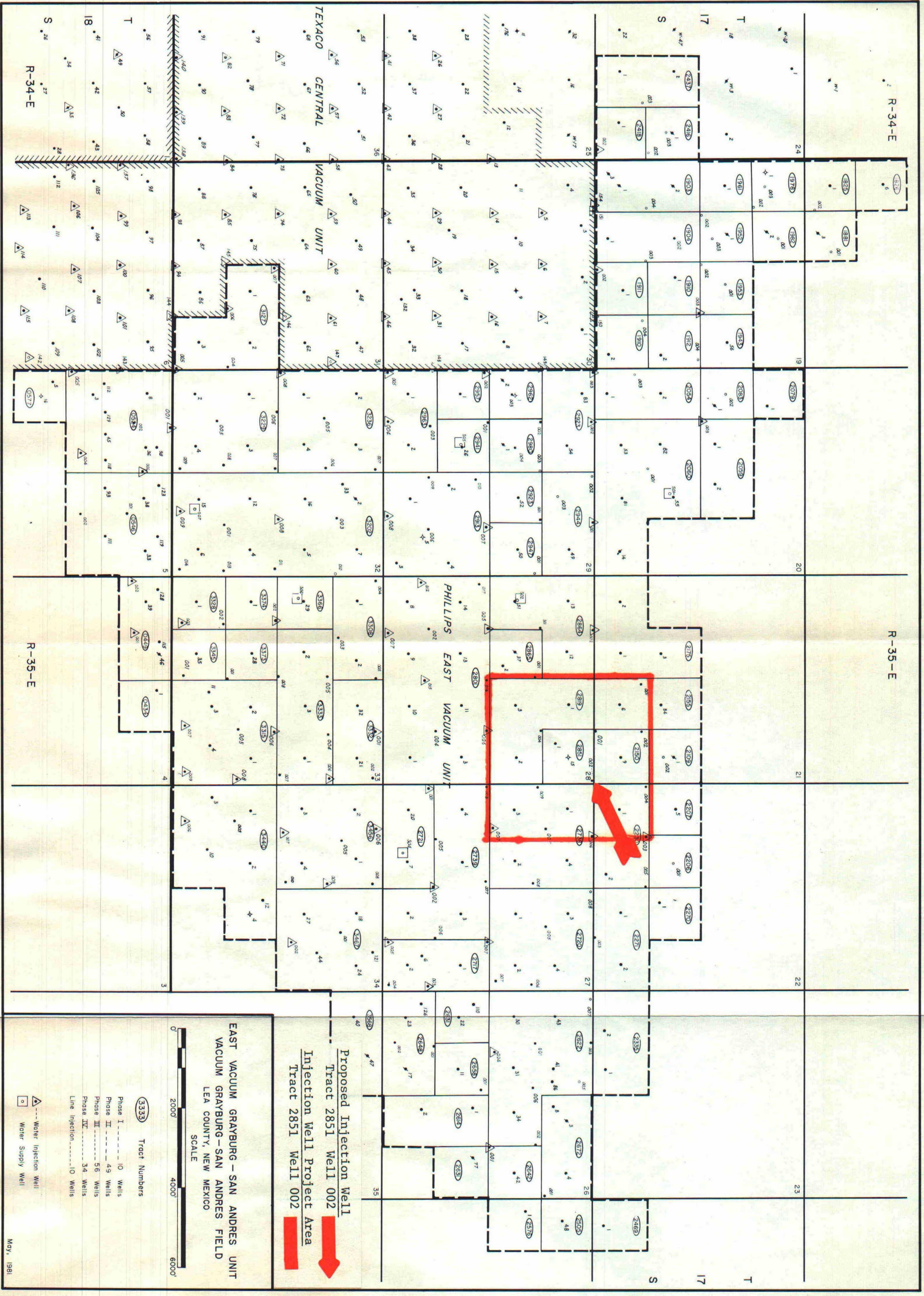
N. M. O. C. D. R- 5897

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

TRACT 2851 WELL 002

CONVERSION TO WATER INJECTION STATUS







PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

June 5, 1981

Expansion of Waterflood Project,
East Vacuum Grayburg/San Andres Unit
Lea County, New Mexico

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:

Please be advised that our request dated June 2, 1981 contained an inadvertent typographical error. The East Vacuum Grayburg/San Andres Unit Tract 2865, Well No. 001 was improperly listed as Tract 2856, Well No. 001 in the initial part of the letter. All other references to subject well were correct.

Your assistance in making this correction will be appreciated.

Yours very truly,

T. Harold McLemore
Regulation & Proration
Supervisor

SKN:lw

cc: Oil Conservation Division
Hobbs, New Mexico

PHILLIPS PETROLEUM COMPANY

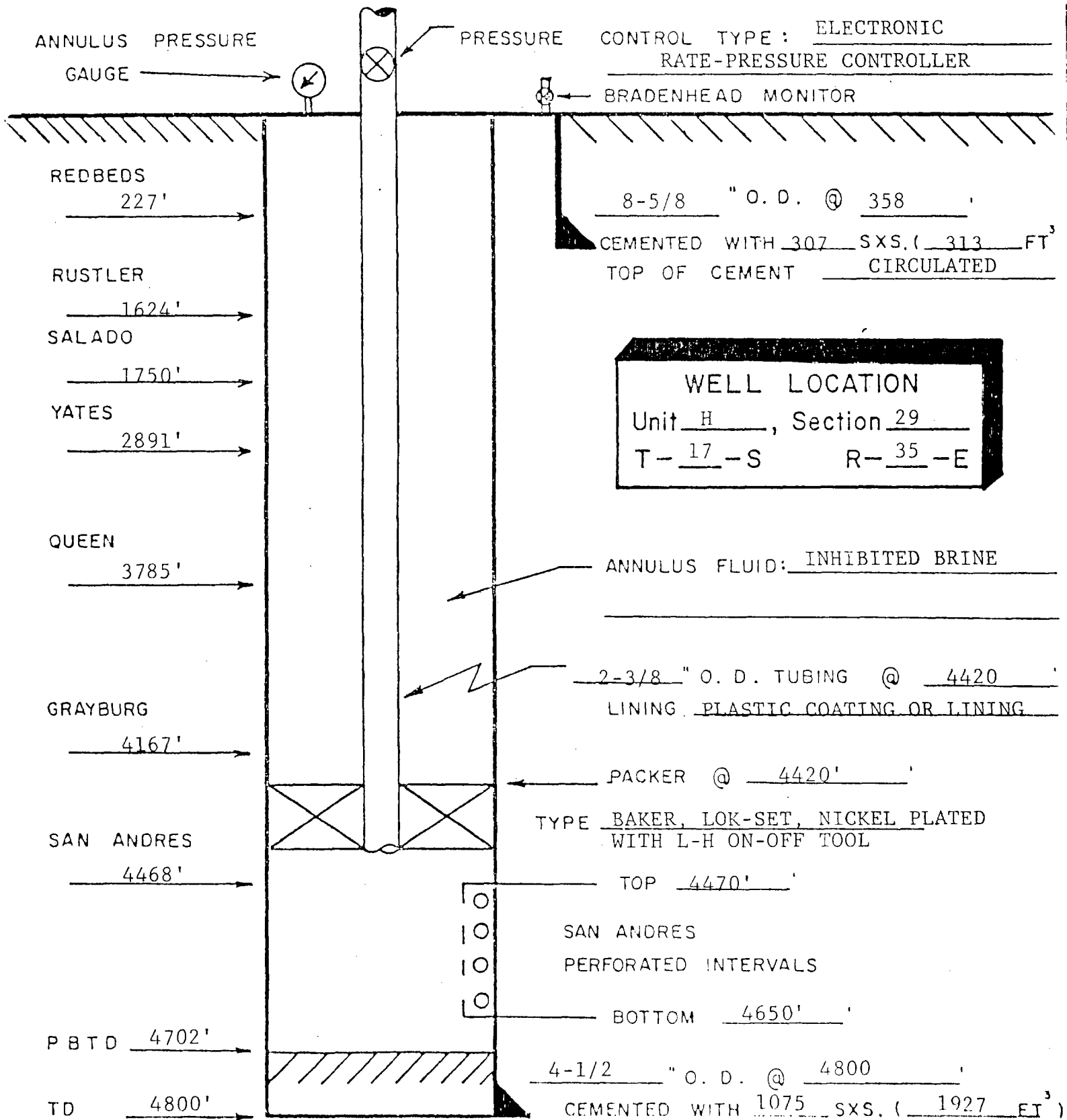
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

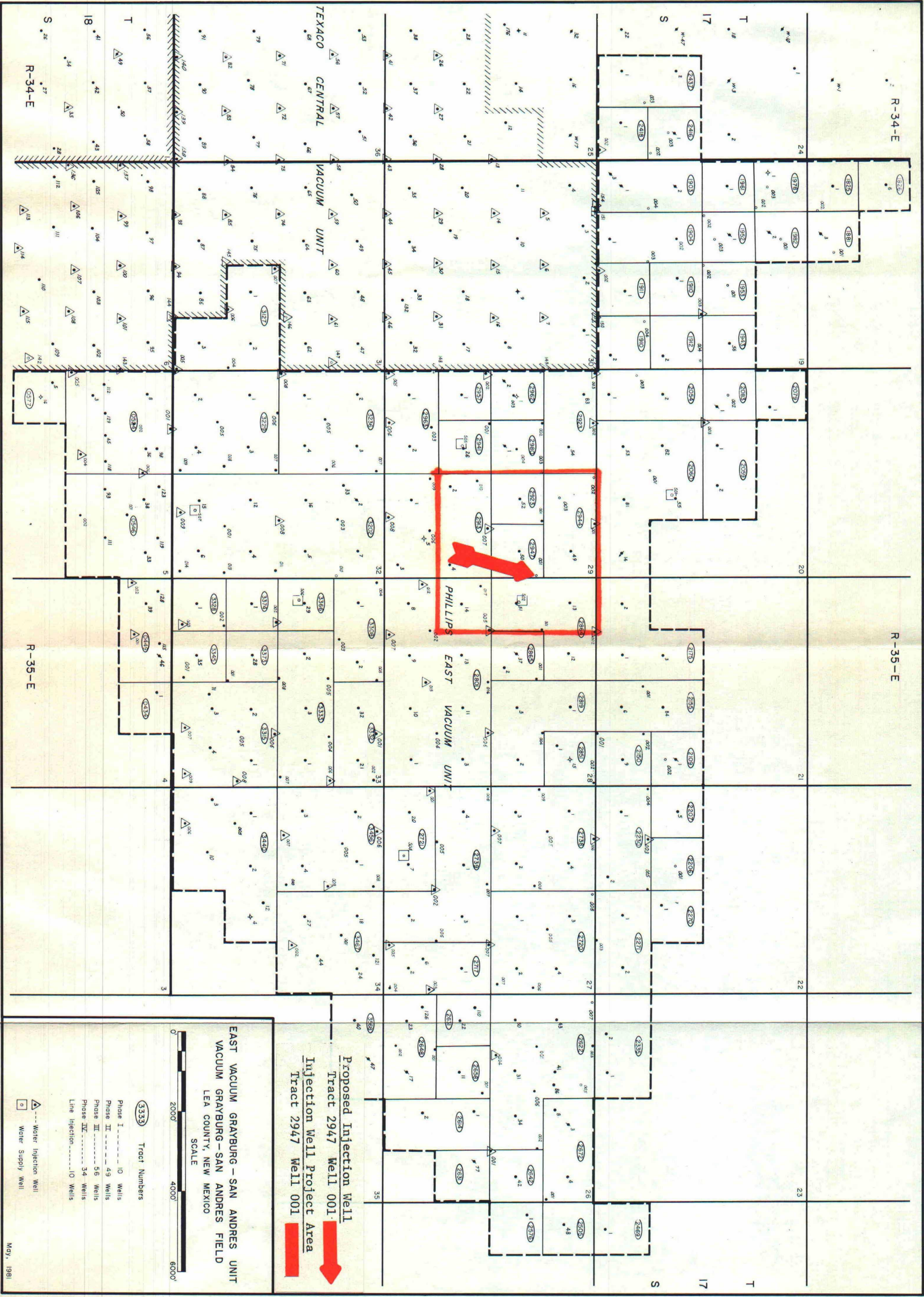
N.M.O.C.D. R-5897

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

TRACT 2947 WELL 001

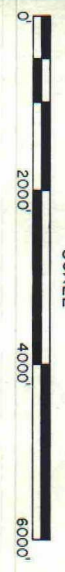
CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well
Tract 2947 Well 001
Injection Well Project Area
Tract 2947 Well 001

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
- Phase IV ----- 34 Wells
- Line Injection ----- 10 Wells
- Water Injection Well
- Water Supply Well

PHILLIPS PETROLEUM COMPANY

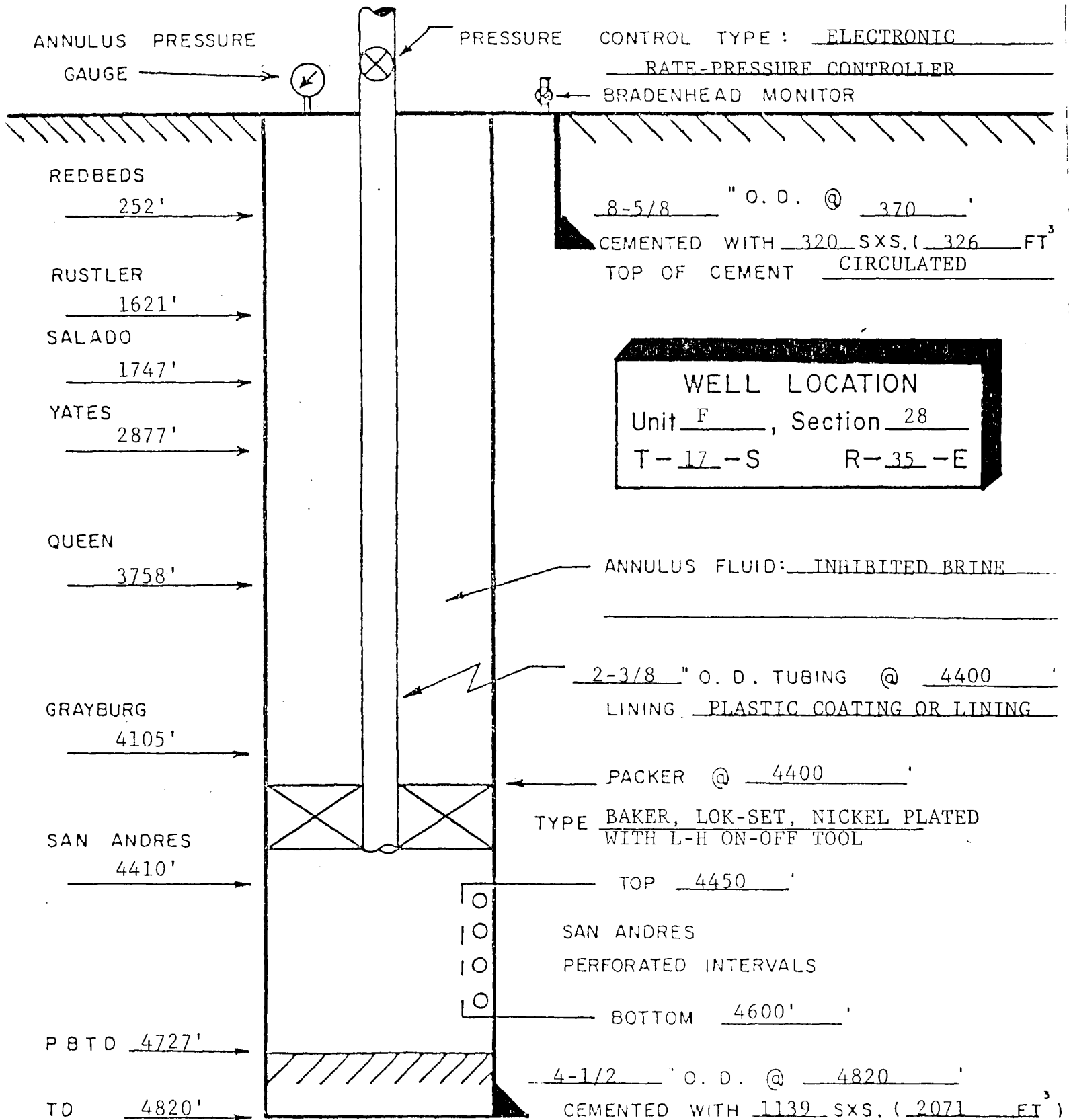
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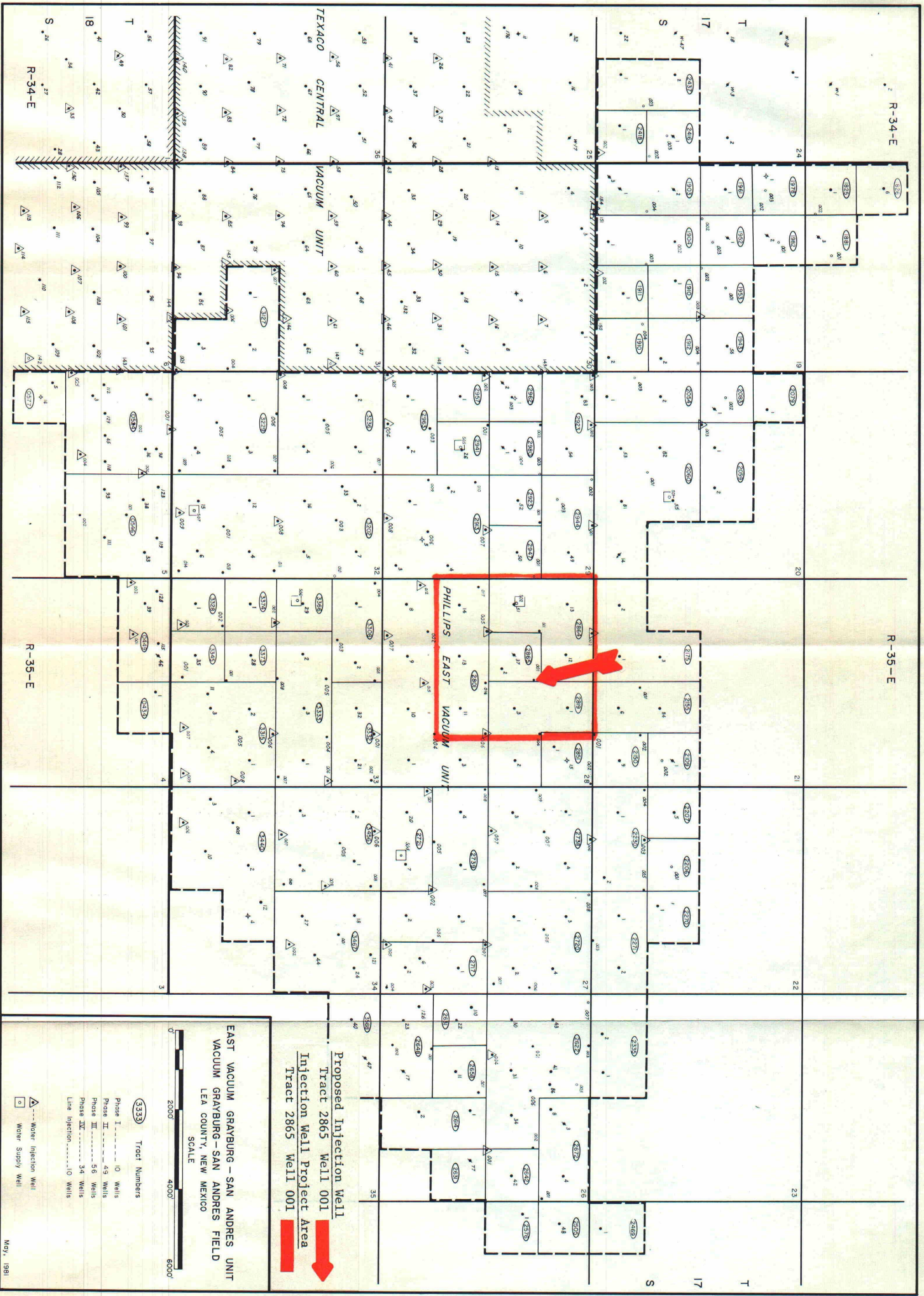
N. M. O. C. D. R-5897

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

TRACT 2865 WELL 001

CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well
Tract 2865 Well 001
Injection Well Project Area
Tract 2865 Well 001

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
 - Phase IV ----- 34 Wells
 - Line Injection ----- 10 Wells
- ▲-----Water Injection Well
○-----Water Supply Well

OIL CONSERVATION DIVISION
DISTRICT I

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

DATE June 8, 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. 2851 #2-A 28-17-35
Tr. 2865 #1-F 28-17-35
Phillips Pet. Co. E. Vacuum Gray., SA Unit Tr. 2947 #1-H 29-17-35
Operator Lease and Well No. Unit, S - T - R

and my recommendations are as follows:

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

Yours very truly,

/mc