



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 2856, 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.

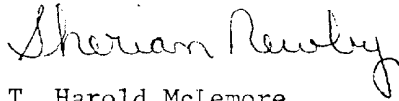
1. Unit plat reflecting the proposed injection well and injection area of each well (Tract 2851, No. 002-- Unit A, Section 28, T-17-S, R-35-E; Tract 2865, No 001--Unit F, Section 28, T-17-S, R-35-E, Tract 2947, No. 001--Unit ~~H~~, Section 29, T-17-S, R-35-E).
2. Casing Compensated Neutron log for the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

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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

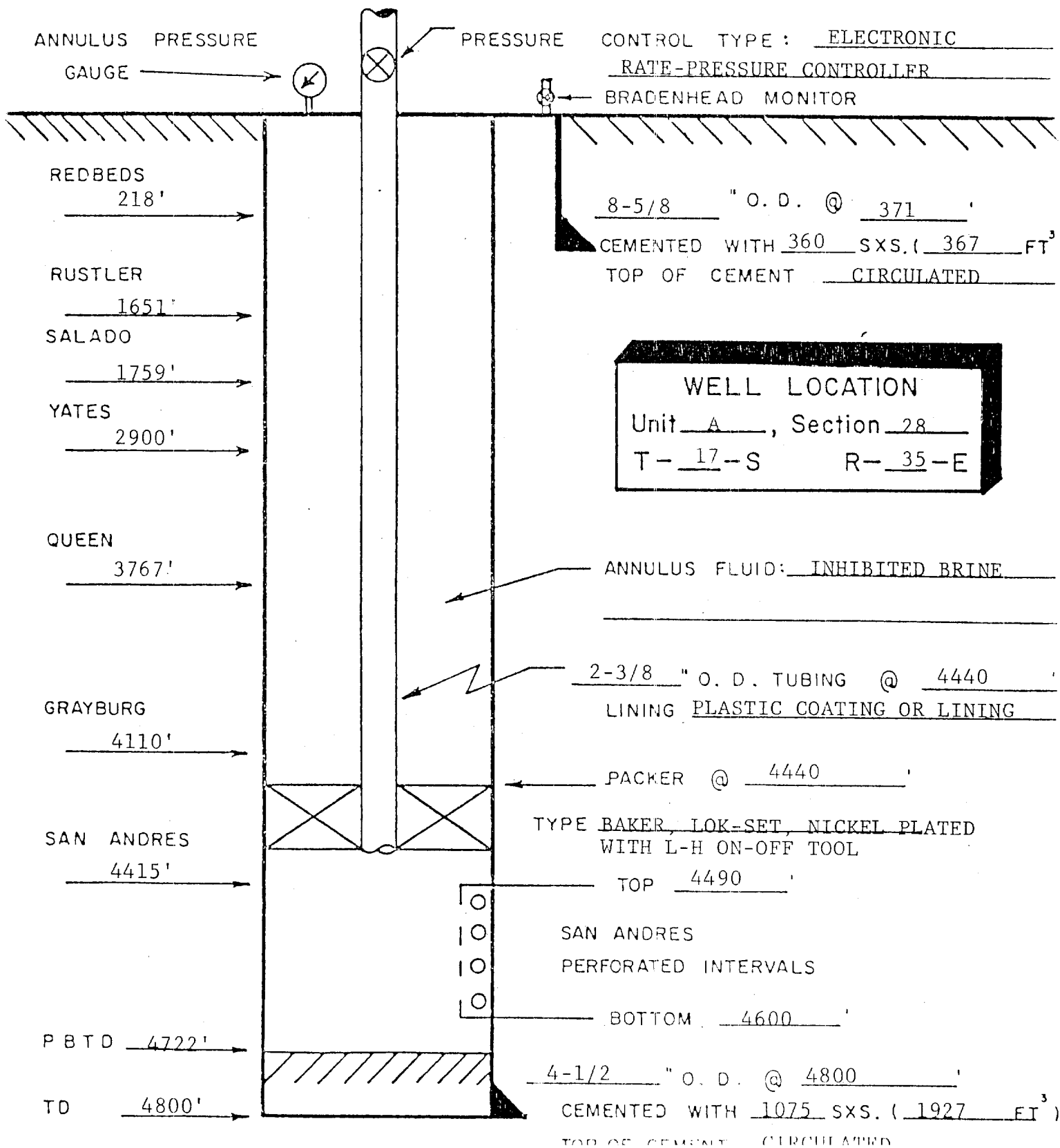
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

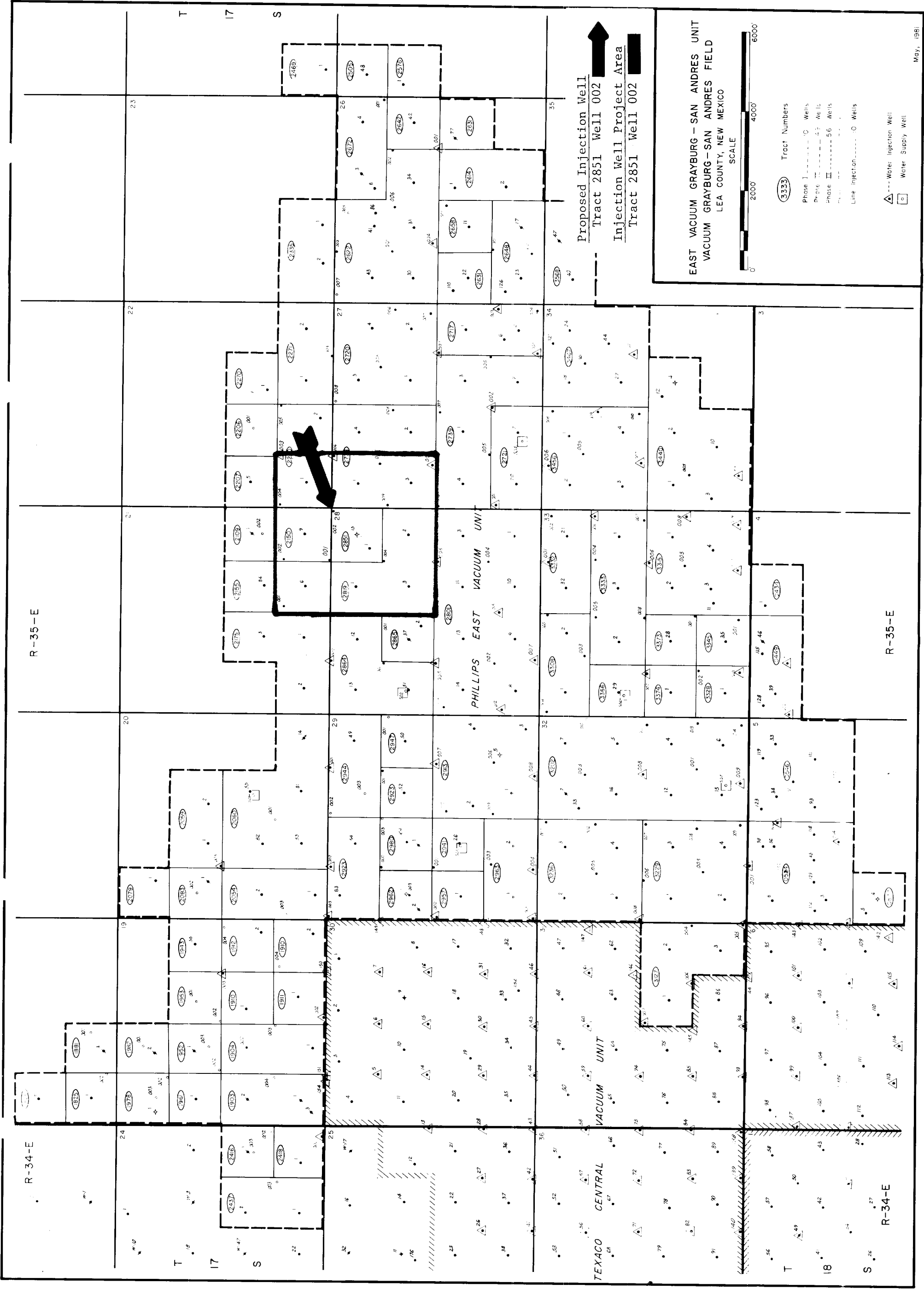
N. M. O. C. D. R- 5897

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

TRACT 2851 WELL 002

CONVERSION TO WATER INJECTION STATUS





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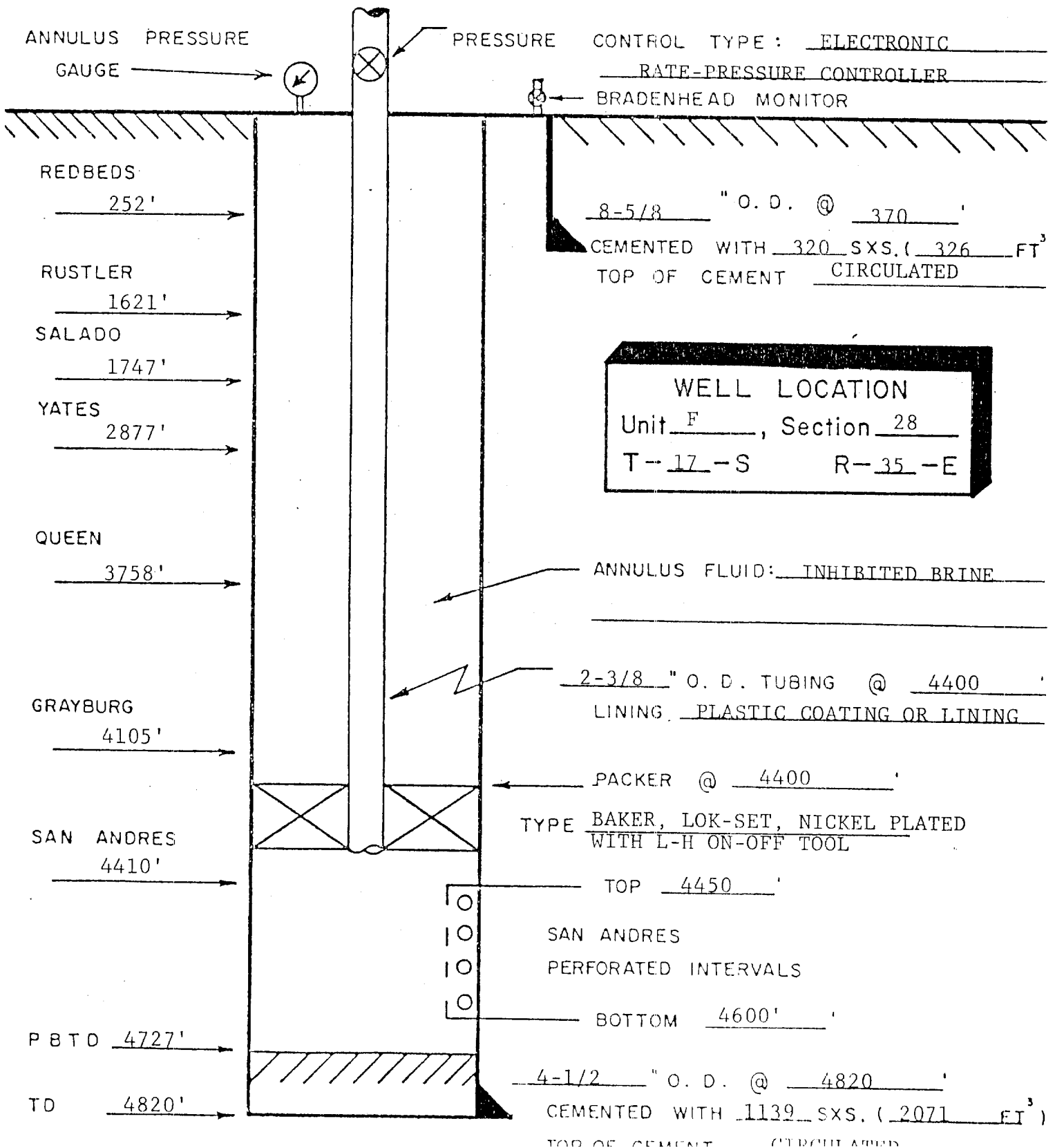
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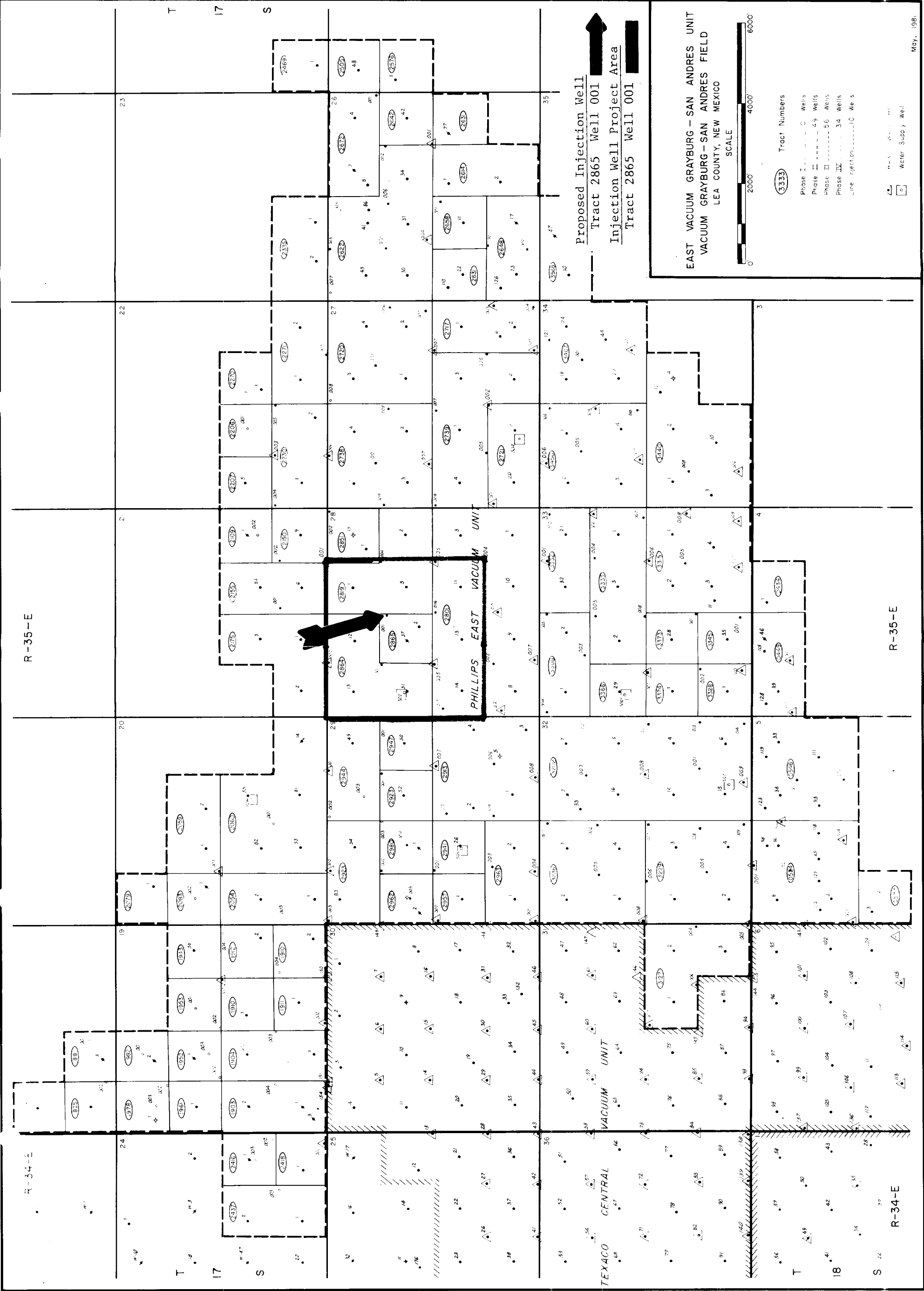
N. M. O. C. D. R-5897

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

TRACT 2865 WELL 001

CONVERSION TO WATER INJECTION STATUS





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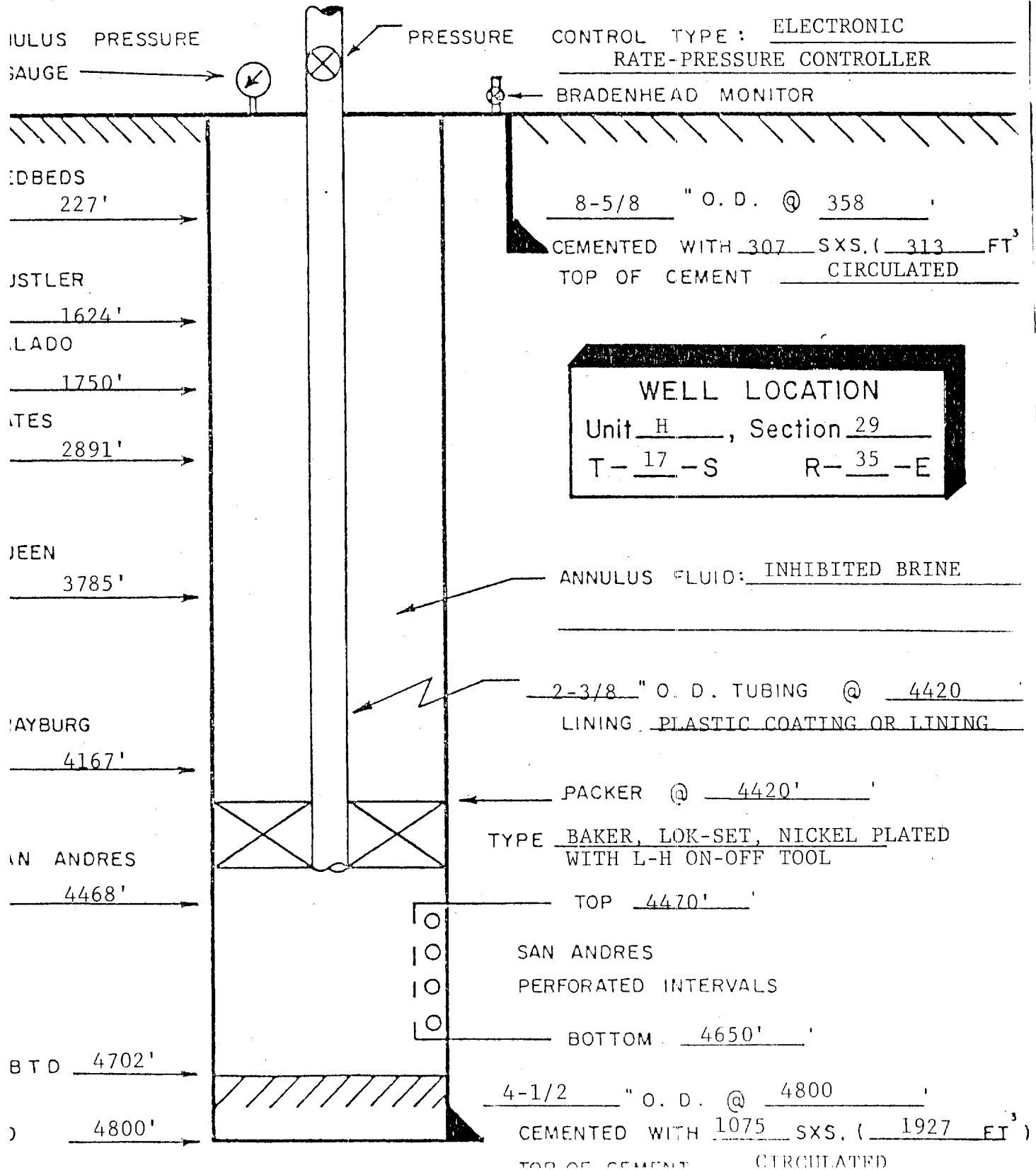
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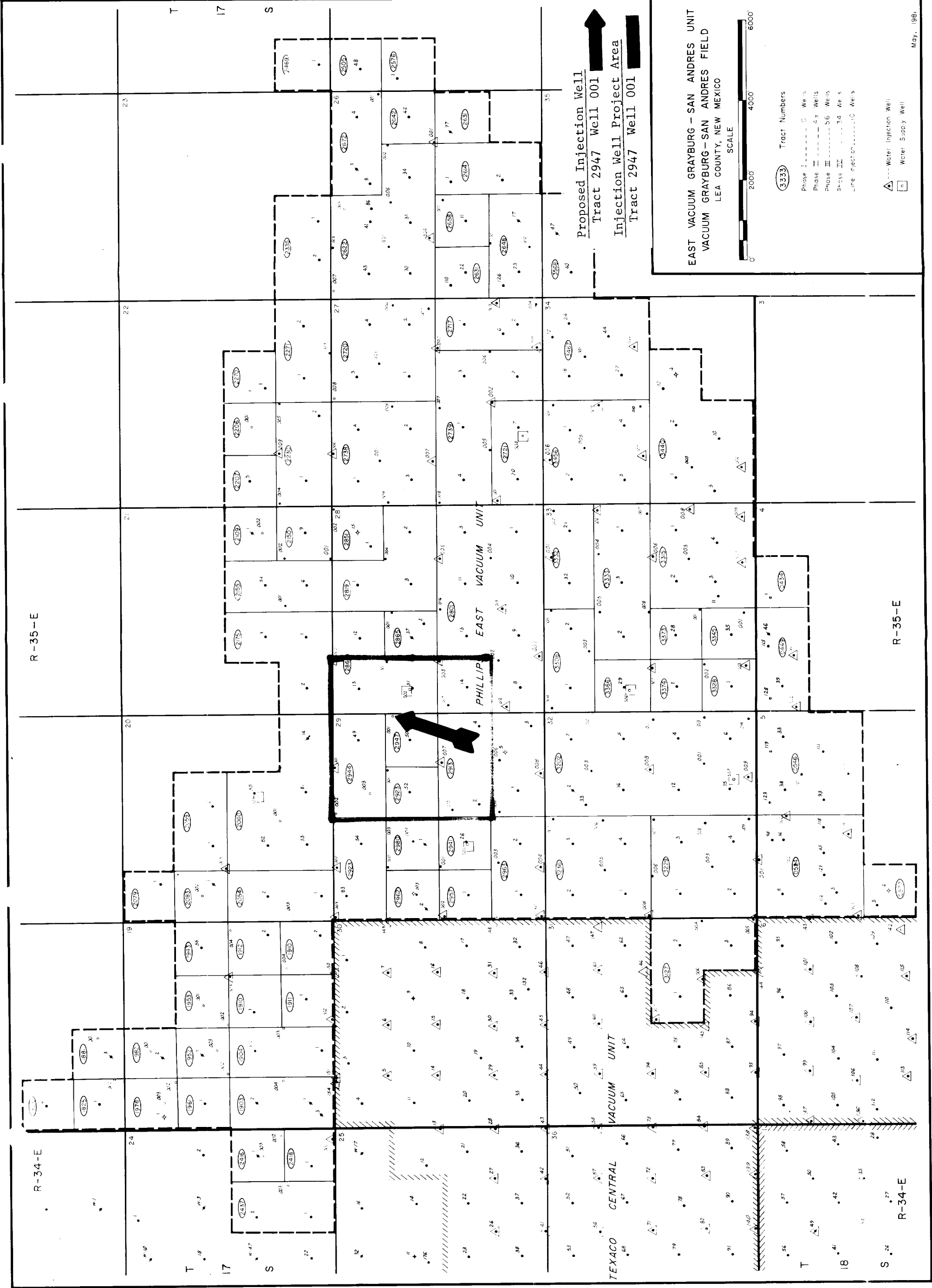
N. M. O. C. D. R- 5897

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

TRACT 2947 WELL 001

CONVERSION TO WATER INJECTION STATUS





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