



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

August 25, 1980
Odessa, Texas

Conversion to Water Injection Service
East Vacuum Grayburg-San Andres Unit
Tract 1911, Well No. 002 and
Tract 3127, Well No. 007
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 injection well pattern, as provided by Order No. R-5897, Rule No. 9, for the East Vacuum Unit pressure maintenance project, to convert the East Vacuum Grayburg-San Andres Unit, Tract 1911, Well No. 002 and Tract 3127, Well No. 007, 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 1911, No. 002--Unit O, 19, 17-S, 35-E.) (Tract 3127, No. 007--Unit J, 31, 17-S, 35-E.)
2. B.H.C. Sonic 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 4525' to 4700' and 4350' 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.

Administrative approval is requested under the cooperative line agreement with Phillips Petroleum Company as operator of the East Vacuum Unit and Texaco Inc. as operator of the Central Vacuum Unit. The attached letter

To: New Mexico Department of Energy and Minerals
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of request for waiver dated August 25, 1980, has previously been submitted to your office. Texaco Inc. is to furnish a waiver to your attention.

A status report on Order No. R-5897 on 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 Supervisor

CAS/THM/brb
Attachments

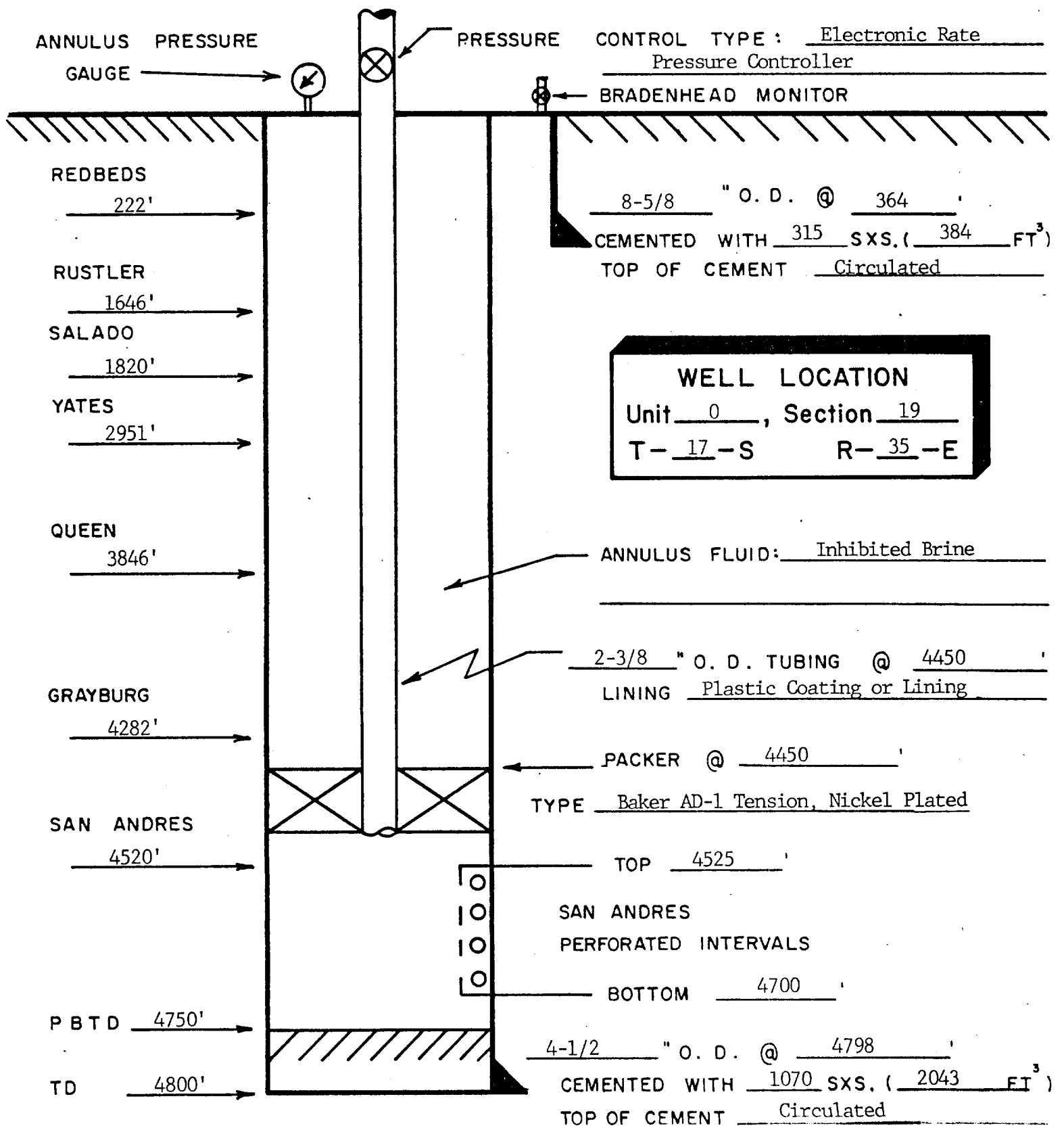
✓cc: Oil Conservation Division
Hobbs, New Mexico
(attachments w/o BHC Sonic Logs)

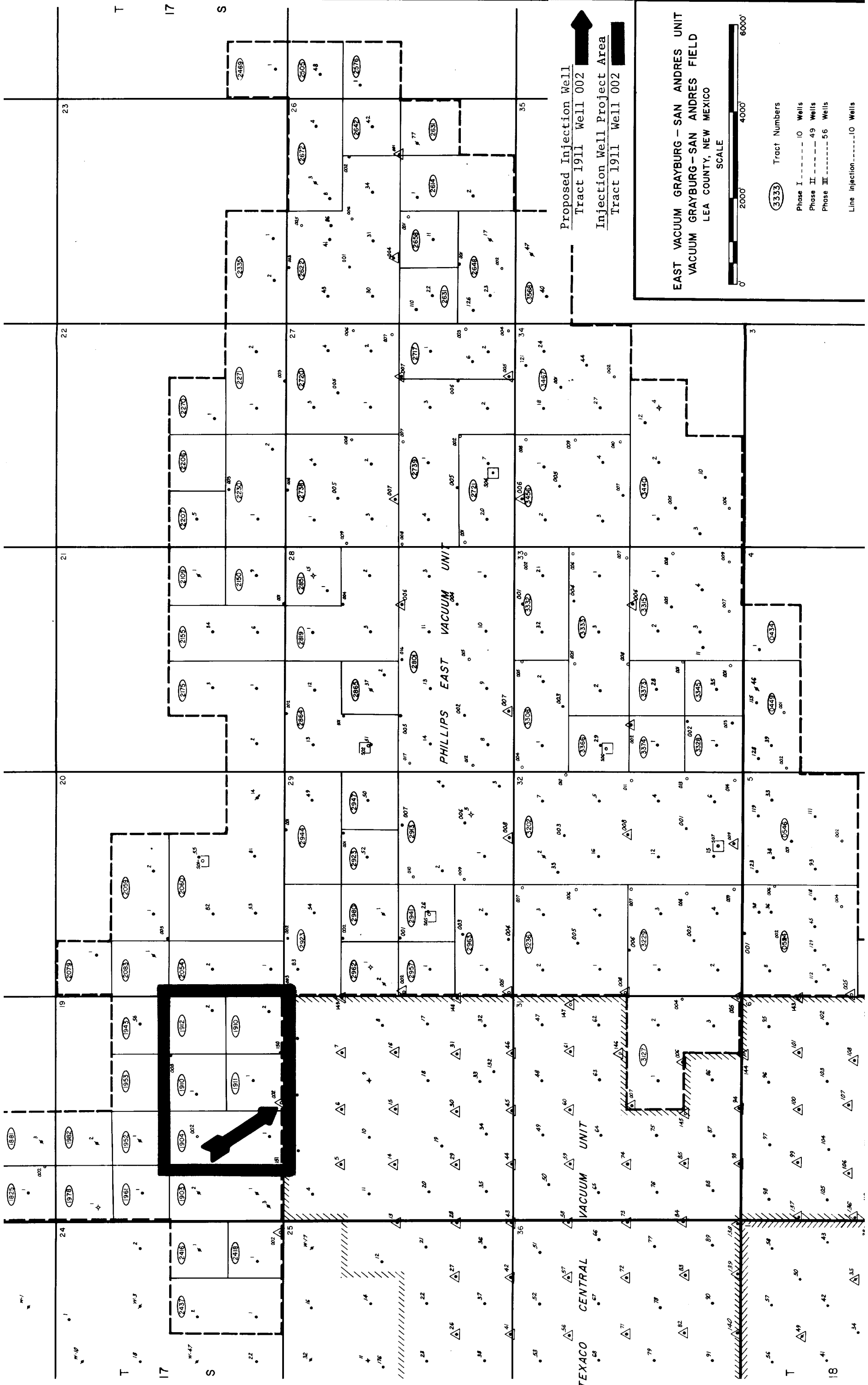
PHILLIPS PETROLEUM COMPANY

EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT
N.M.O.C.D. R-5897

VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEXICO
TRACT 1911 WELL 002

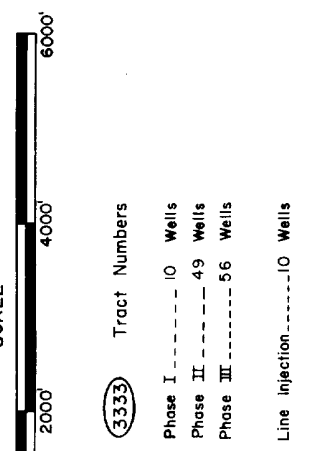
CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well
Tract 1911 Well 002
Injection Well Project Area
Tract 1911 Well 002

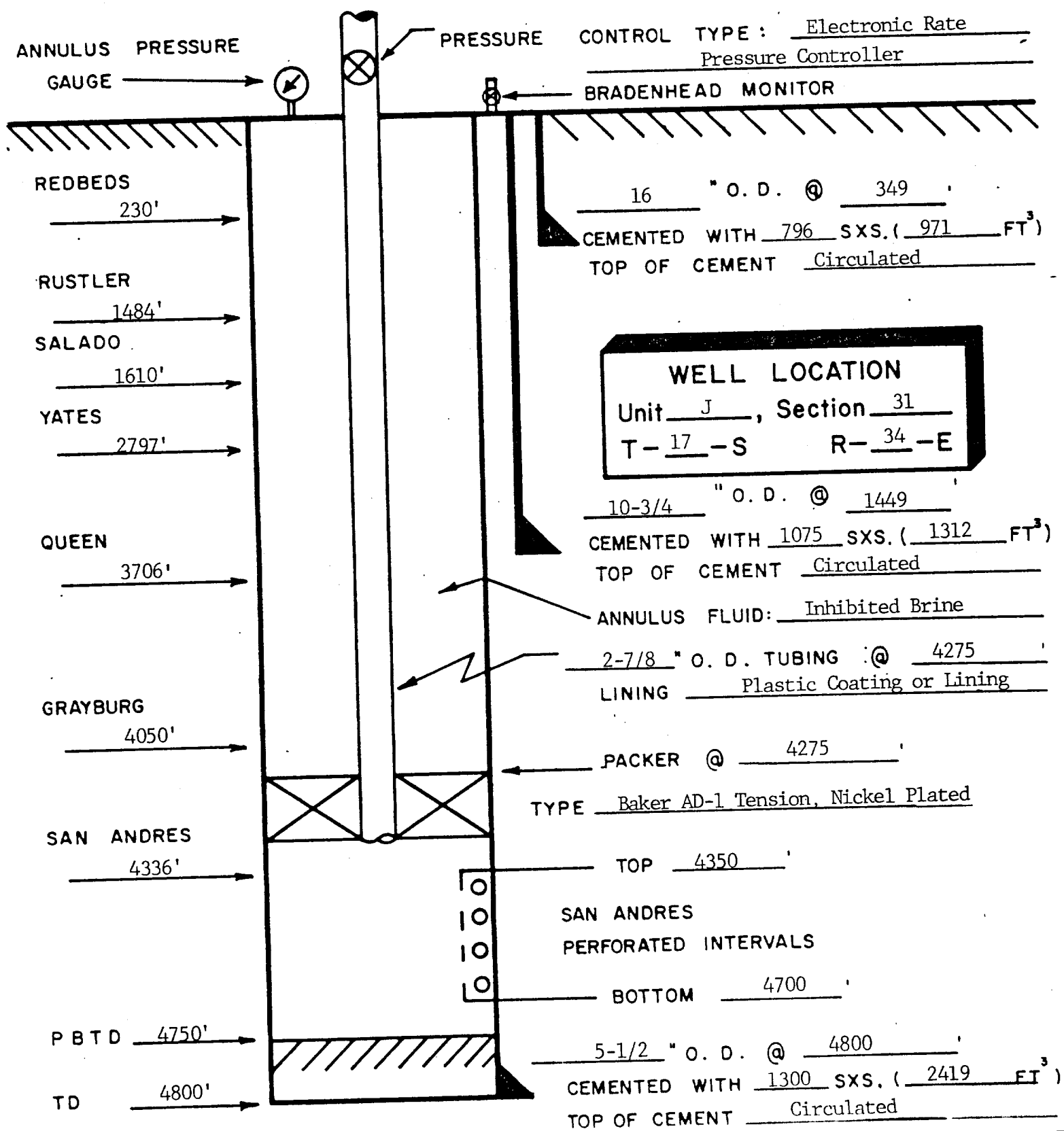
EAST VACUUM GRAYBURG - SAN ANDRES UNIT
VACUUM GRAYBURG - SAN ANDRES FIELD
LEA COUNTY, NEW MEXICO

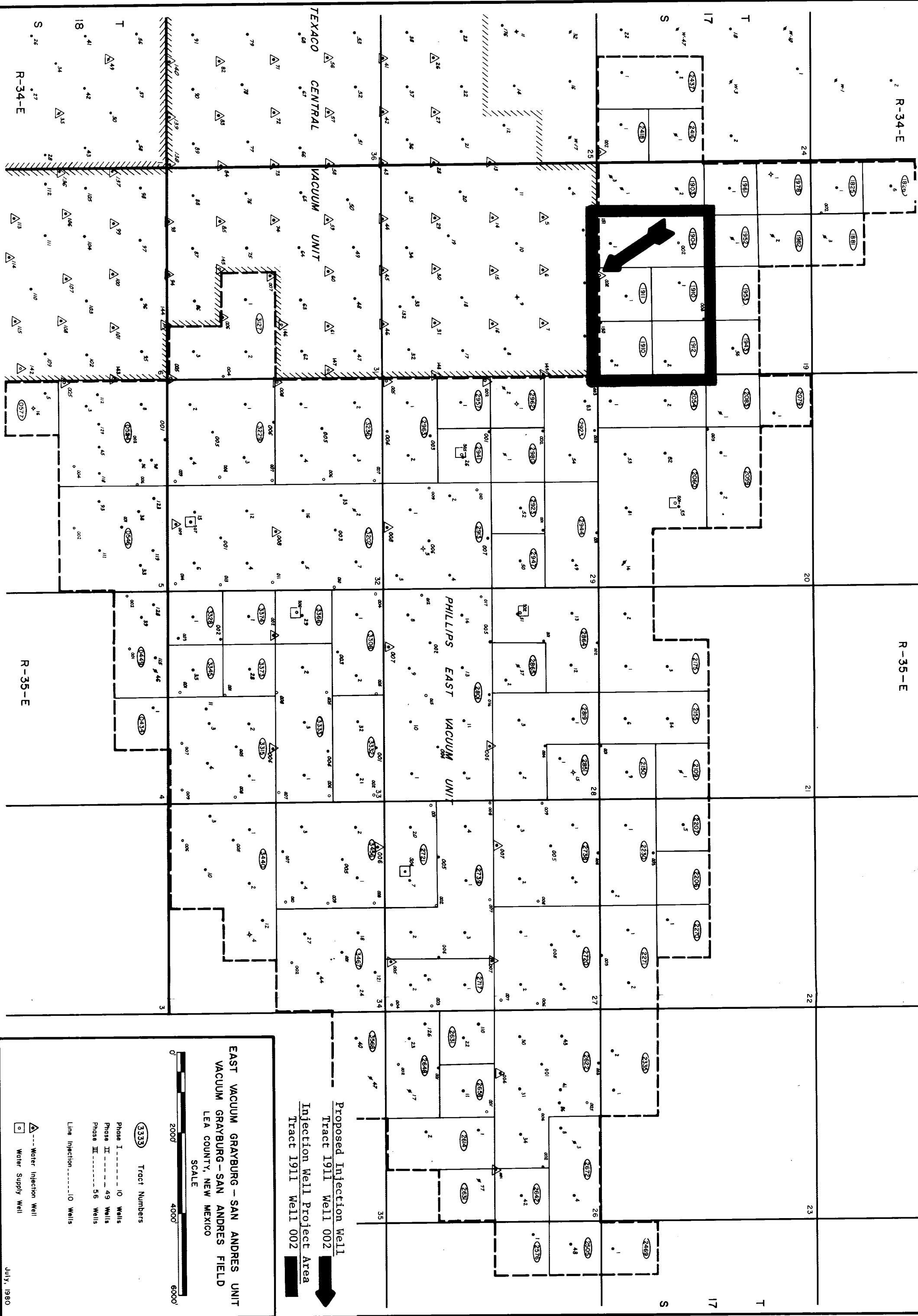


PHILLIPS PETROLEUM COMPANY.

EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT
N.M.O.C.D. R-5897
VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEXICO
TRACT 3127 WELL 007

CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well
Tract 1911 Well 002
Injection Well Project Area
Tract 1911 Well 002

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
- Water Supply Well

July, 1980