



## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762  
4001 PENBROOK

NATURAL RESOURCES GROUP  
Exploration and Production

September 11, 1980

Conversion to Water Injection Service--  
East Vacuum Grayburg-San Andres Unit,  
Tract 2801, Well No. 012, and  
Tract 2801, Well No. 015,  
Lea County, New Mexico

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

Attention: Mr. Joe D. Ramey  
Division Director

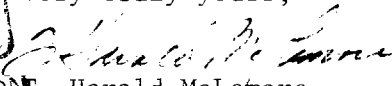
Gentlemen:

We respectfully request administrative approval of expansion of waterflood injection well pattern, as provided by Order No. R5897, Rule No. 9, for the East Vacuum Unit pressure maintenance project, to convert the East Vacuum Grayburg-San Andres Unit, Tract 2801, Well No. 012, and Tract 2801, Well No. 015, 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 2801, No. 012--Unit M, 28, 17-S, 35-E. Tract 2801, No. 015--Unit O, 28, 17-S, 35-E.)
2. Compensated Acoustic Velocity Gamma Caliper 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 4455' to 4701' and 4433' to 4522'. 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.

A status report on Order No. R5897, Exhibit-C wells was submitted under date of August 19, 1980.

Your consideration and early advice will be appreciated.

Very truly yours,  
  
Harold McLemore  
Area Regulation and Proration Supervisor

SEP 16 1980  
OIL CONSERVATION DIVISION  
SANTA FE

CAS/brb  
Attachments

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

# PHILLIPS PETROLEUM COMPANY

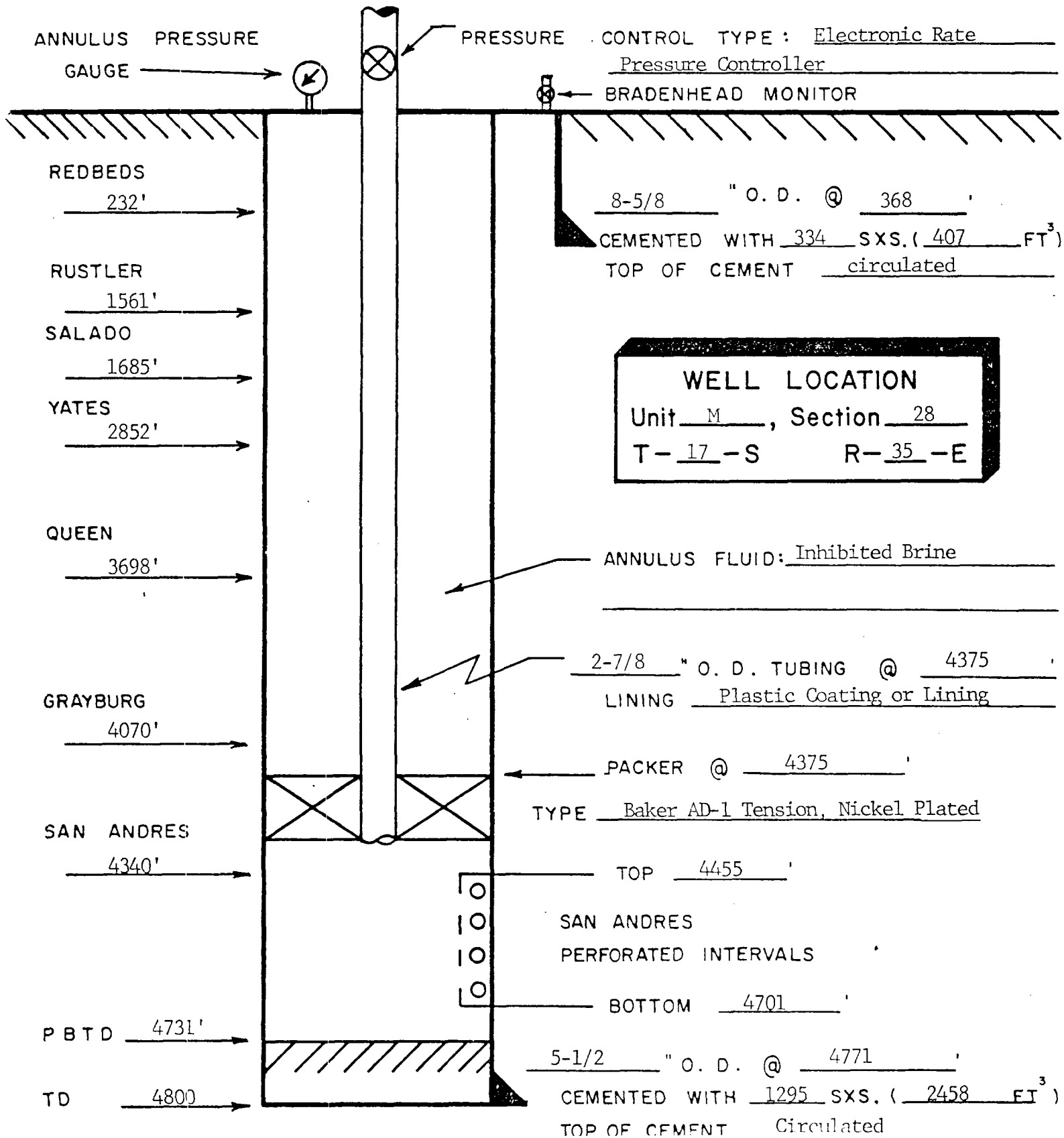
## EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

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

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

TRACT 2801 WELL 012

CONVERSION TO WATER INJECTION STATUS



# PHILLIPS PETROLEUM COMPANY

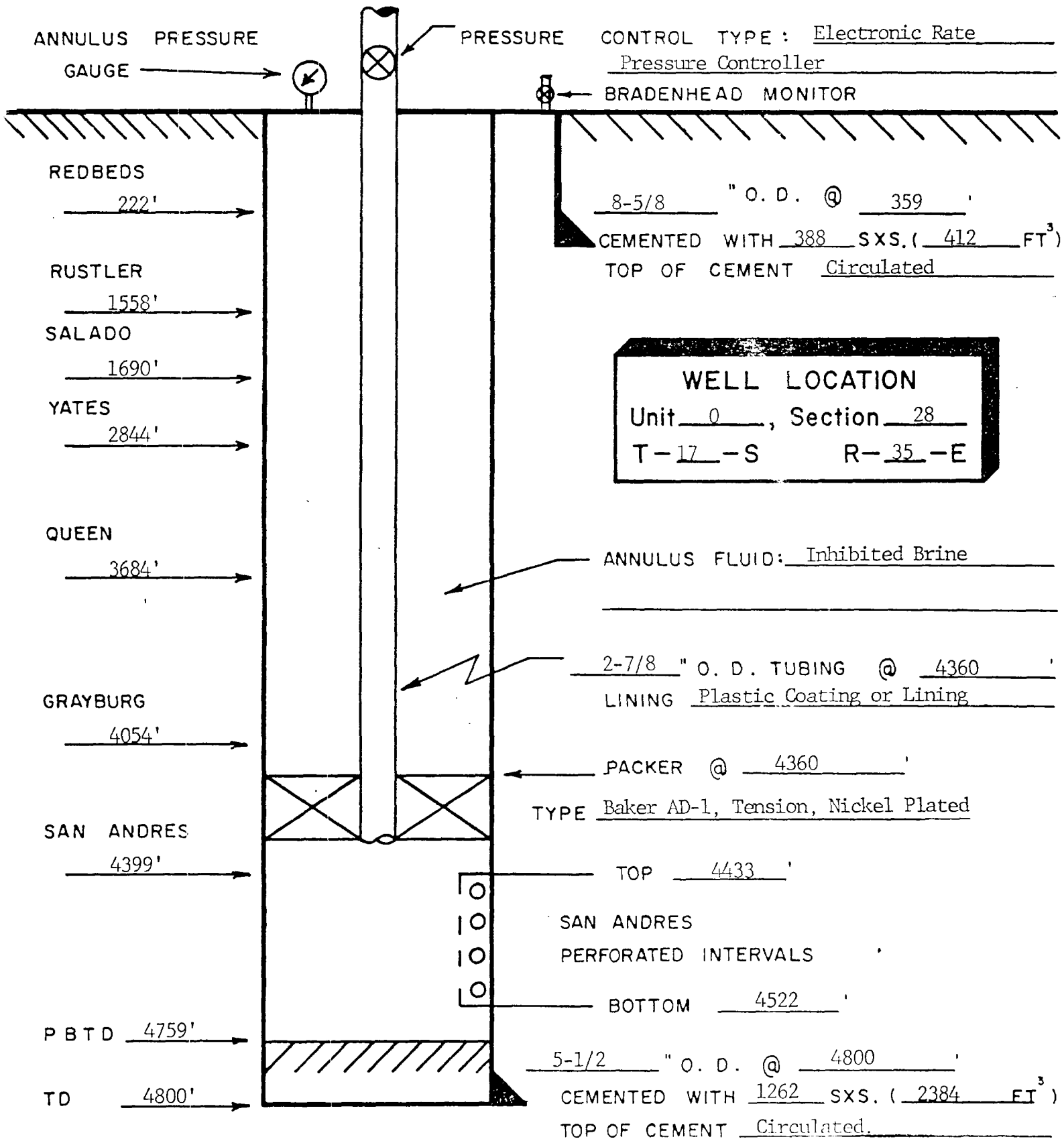
## EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

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

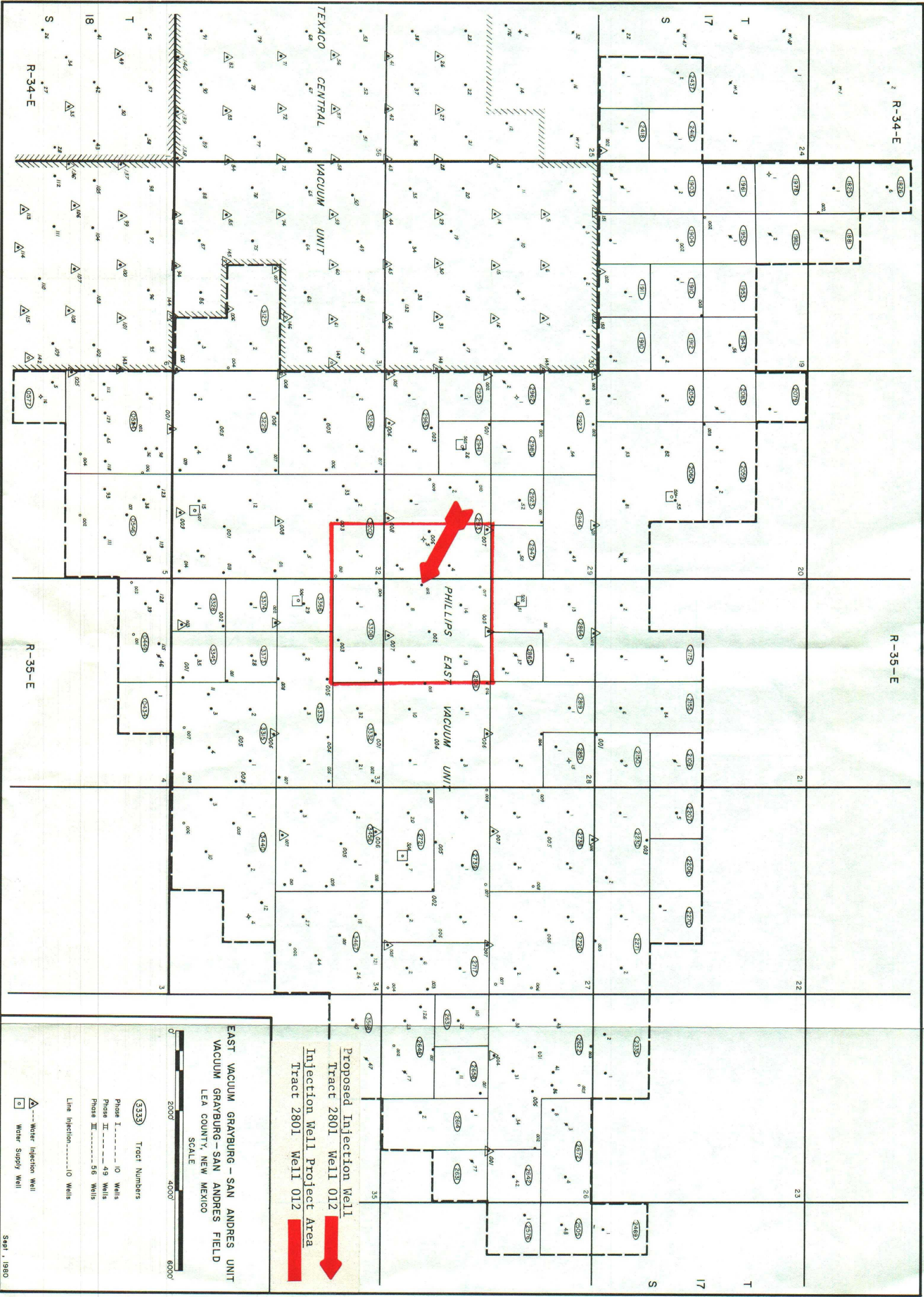
VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEXICO

TRACT 2801 WELL 015

CONVERSION TO WATER INJECTION STATUS







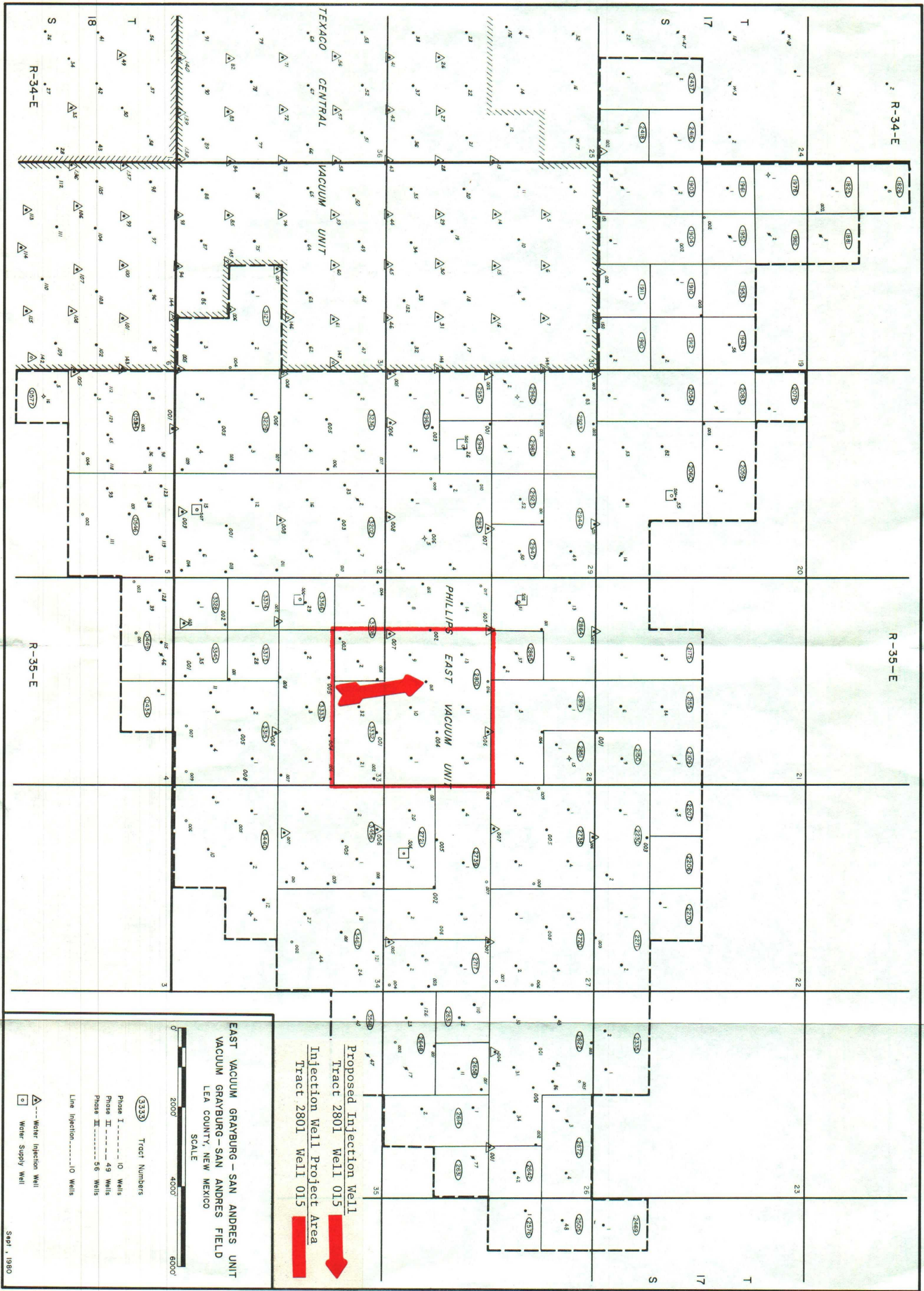
Proposed Injection Well  
Tract 2801 Well 012  
Injection Well Project Area  
Tract 2801 Well 012

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

SCALE  
0 2000' 4000' 6000'

- (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





Proposed Injection Well  
Tract 2801 Well 015  
Injection Well Project Area  
Tract 2801 Well 015

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



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