



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

May 28, 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:

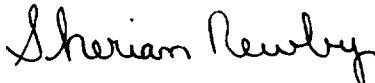
We respectfully request administrative approval of expansion of waterflood injection well pattern, as provided by Order No. R-5897, Rule No. 9, for the East Vacuum Grayburg/San Andres Unit pressure maintenance project, to convert East Vacuum Grayburg/San Andres Unit, Tract 2155, Well No. 001 and East Vacuum Grayburg/San Andres Unit, Tract 2230, Well No. 005, 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 2155, No. 001--Unit O, Section 21, T-17-S, R-35-E; Tract 2230, No. 005--Unit N, Section 22, T-17-S, R-35-E).
2. Borehole Compensated Sonic log (Tract 2155, No. 001) or Casing Compensated Neutron log (Tract 2230, No. 005).
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 2155, No. 001--4505' to 4660' and Tract 2230, No. 005--4480' to 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.

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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

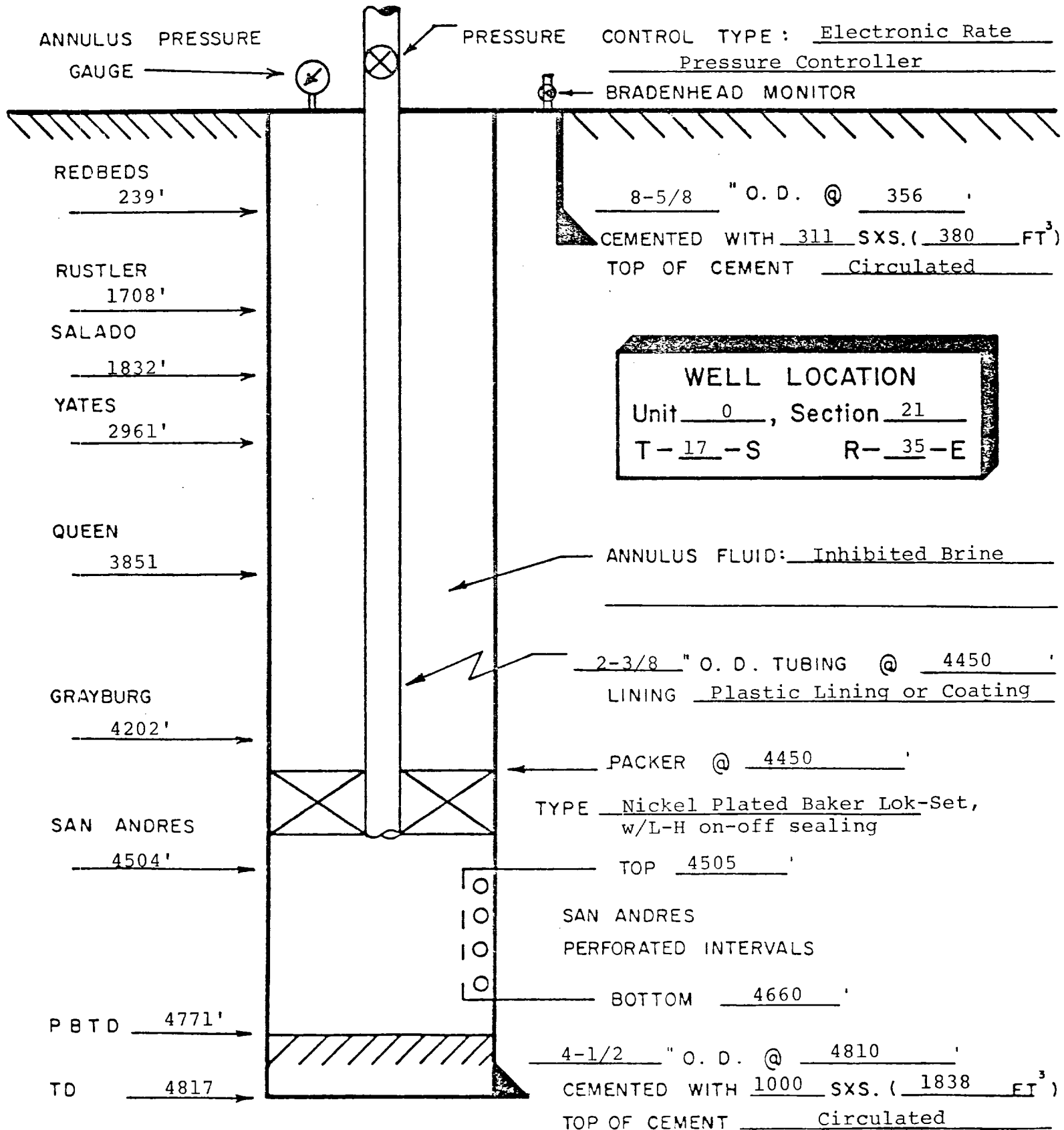
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

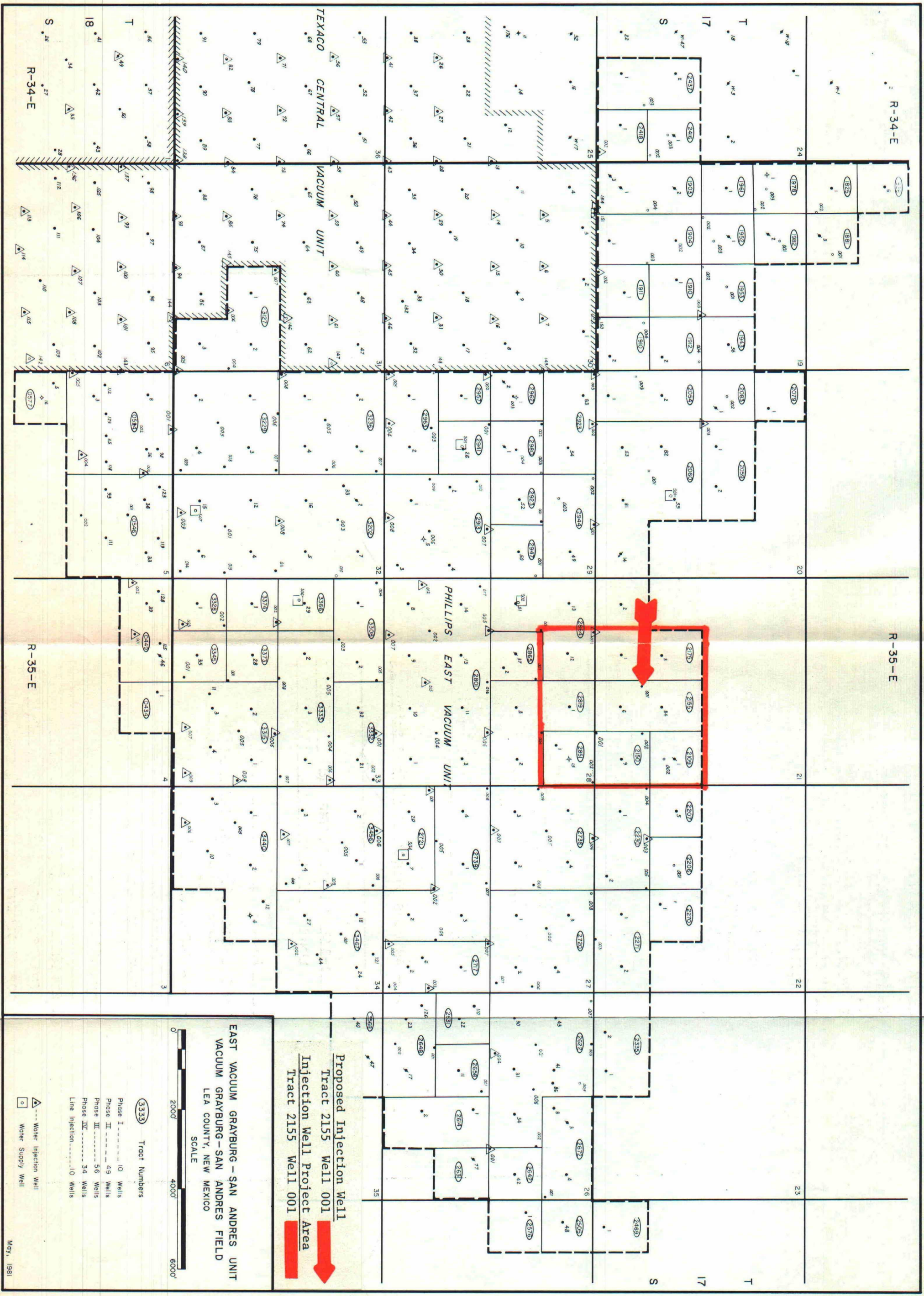
N. M. O. C. D. R- 5897

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

TRACT 2155 WELL 001

CONVERSION TO WATER INJECTION STATUS





Proposed Injection Well
Tract 2155 Well 001
Injection Well Project Area
Tract 2155 Well 001

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

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 2230 WELL 005

CONVERSION TO WATER INJECTION STATUS

