



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

September 9, 1980

Conversion to Water Injection Service--
East Vacuum Grayburg-San Andres Unit,
Tract 3127, Well No. 005,
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. R5897, Rule No. 9, for the East Vacuum Unit pressure maintenance project, to convert the East Vacuum Grayburg-San Andres Unit, Tract 3127, 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. (Tract 3127, No. 005--Unit P, 31, 17-S, 35-E.)
2. B.H.C. Sonic Log of the injection well.
3. Diagrammatic sketch of the proposed well, injection tubing, packer, and pressure control elements identifying the San Andres perforated injection interval.
4. The name of the injection formation is San Andres with injection to be into the interval 4350' 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 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 of request for waiver, dated September 9, 1980, has previously been submitted to your office. Texaco, Inc. is to furnish a waiver to your attention.

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,

T. Harold McLemore

Area Regulation and Proration Supervisor

CAS:skm

Attachments

cc: Oil Conservation Division
Hobbs, New Mexico (Attachments without BHC Sonic Logs)

PHILLIPS PETROLEUM COMPANY

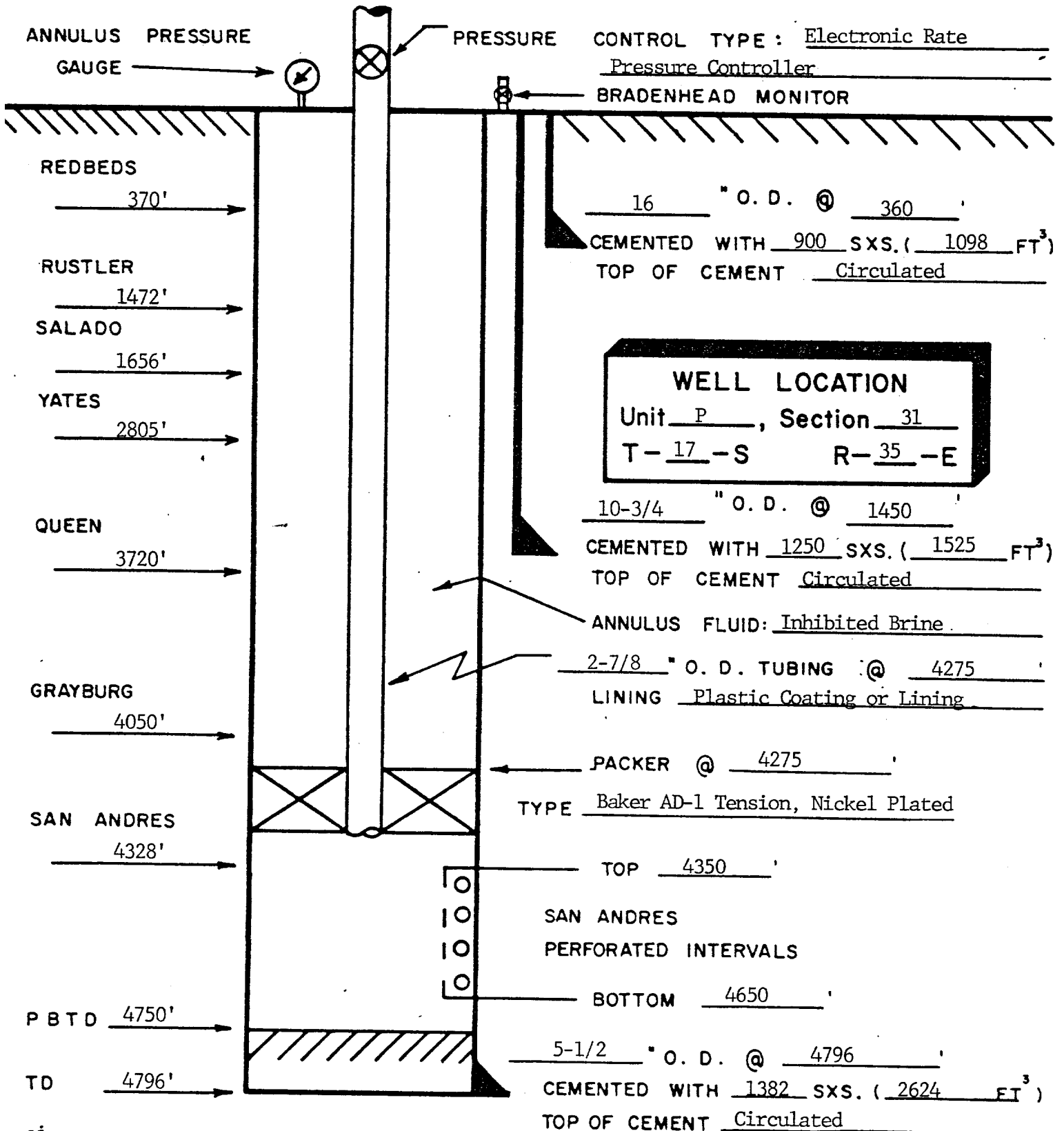
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

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

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

TRACT 3127 WELL 005

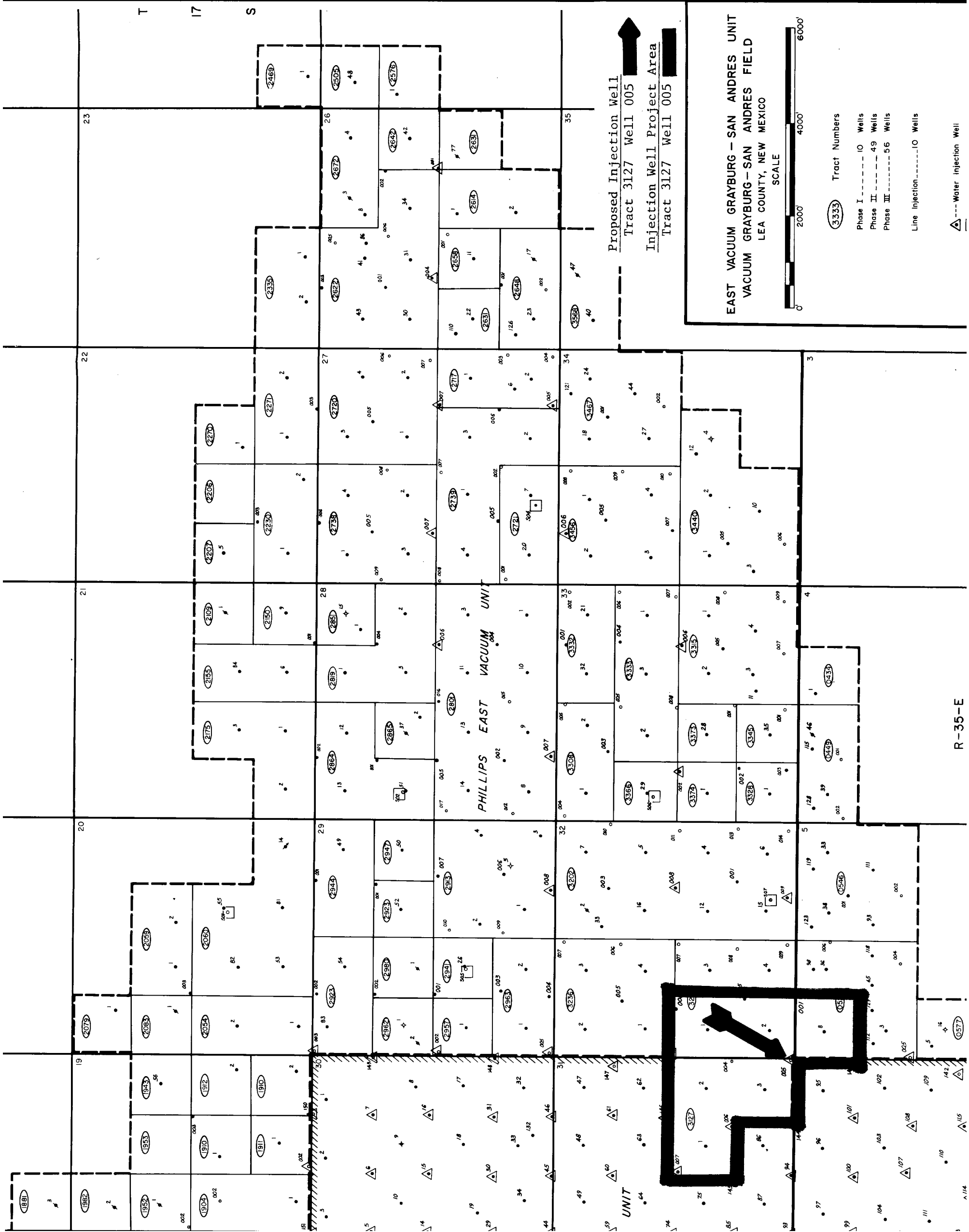
CONVERSION TO WATER INJECTION STATUS



WELL LOCATION

Unit P, Section 31

T-17-S R-35-E



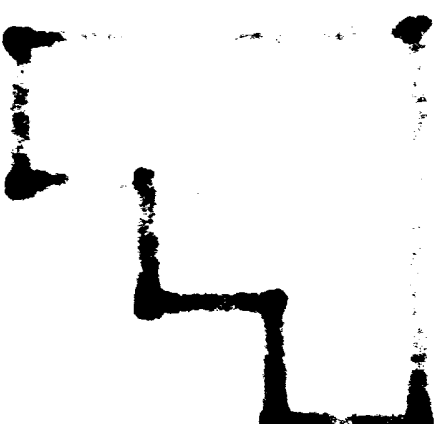
Proposed Injection Well
Tract 3127 Well 005
Injection Well Project Area
Tract 3127 Well 005

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



- Tract Numbers
3333
- Phase I ----- 10 Wells
Phase II ----- 49 Wells
Phase III ----- 56 Wells
- Line Injection ----- 10 Wells
- Water Injection Well

R-35-E



SEP 10 1980

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