

NATURAL RESOURCES GROUP Exploration and Production

March 24, 1980

Conversion to Water Injection Service— East Vacuum Grayburg-San Andres Unit Tract No. 1910, Well No. 003 Vacuum Grayburg-San Andres Pool 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 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 1910, Well No. 003, 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. (Well: Unit J, 19, 17-S, 35-E.)
- 2. Compensated sonic log of the injection well.
- 3. Diagramatic 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 4608 to 4730 feet. Injection will be by gravity with an anticipated maximum of 500 barrels of produced Grayburg-San Andres water per day.

Your consideration and early advice will be appreciated.

Very truly yours,
Louella Howell for

T. Harold McLemore

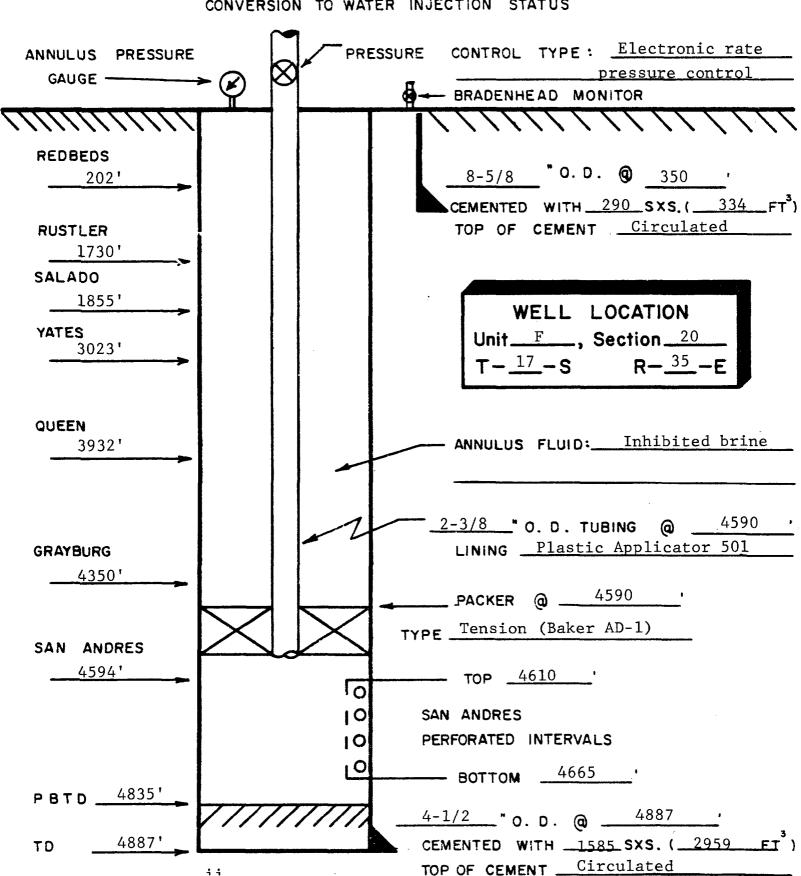
Area Regulation and Proration Analyst

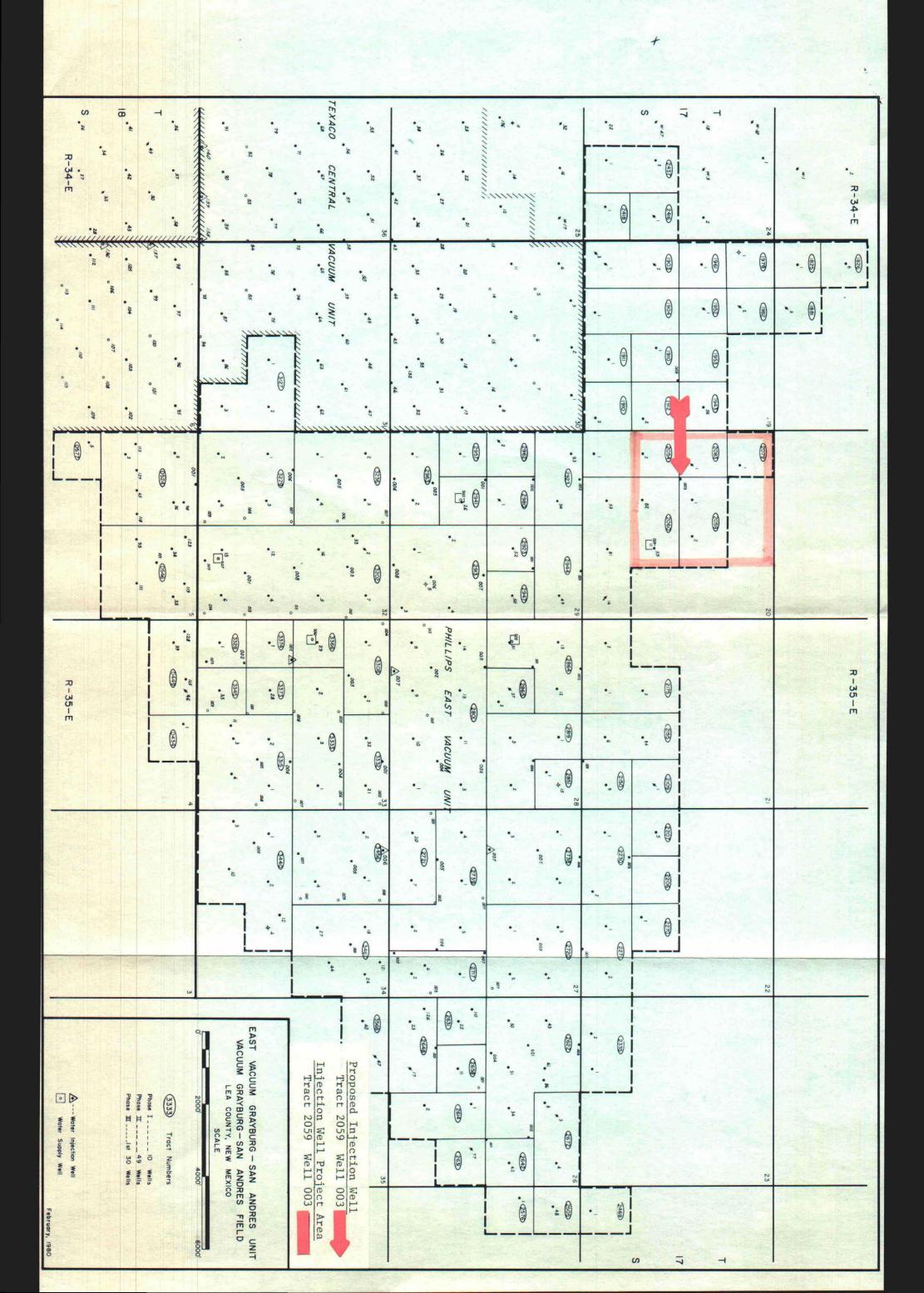
THM/jj Attachments

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

VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEXICO TRACT 2059 WELL 003

CONVERSION TO WATER INJECTION STATUS





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PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

NATURAL RESOURCES GROUP Exploration and Production

March 24, 1980

Conversion to Water Injection Service—East Vacuum Grayburg-San Andres Unit Tract No. 2944, Well No. 001
Vacuum Grayburg-San Andres Pool
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 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 No. 2944, 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 well project area. (Well: Unit B, 29, 17-S, 35-E.)
- 2. Compensated sonic log of the injection well.
- 3. Diagramatic 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 4545 to 4680 feet. Injection will be by gravity with an anticipated maximum of 500 barrels of produced Grayburg-San Andres water per day.

Your consideration and early advice will be appreciated.

Very truly yours

DIL CONTA FE

./ Harold McLemore

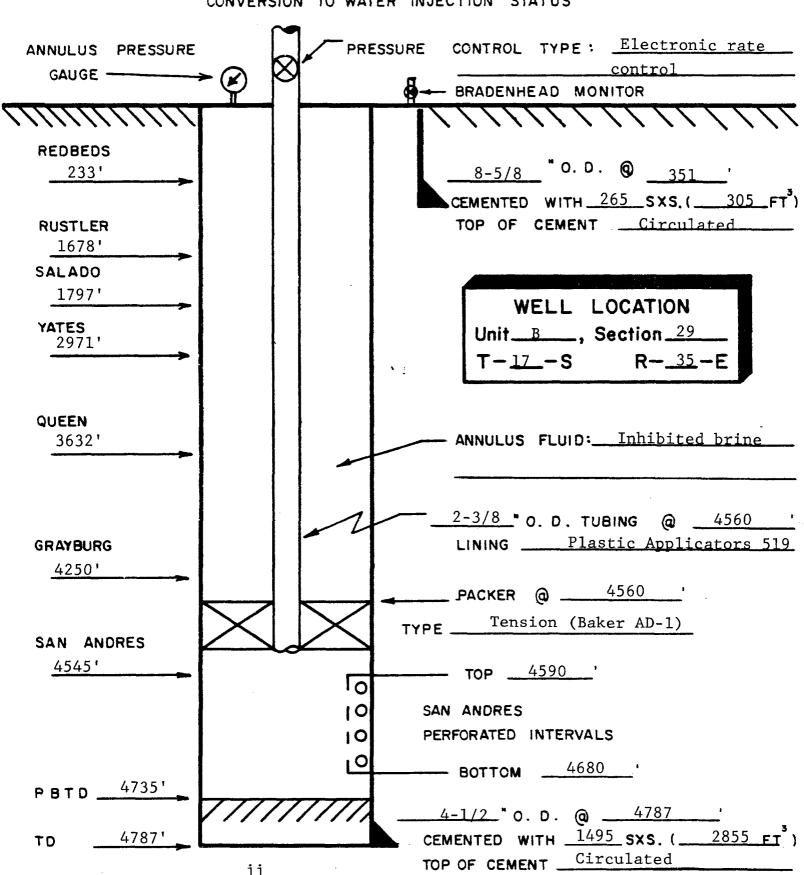
Area Regulation and Proration Analyst

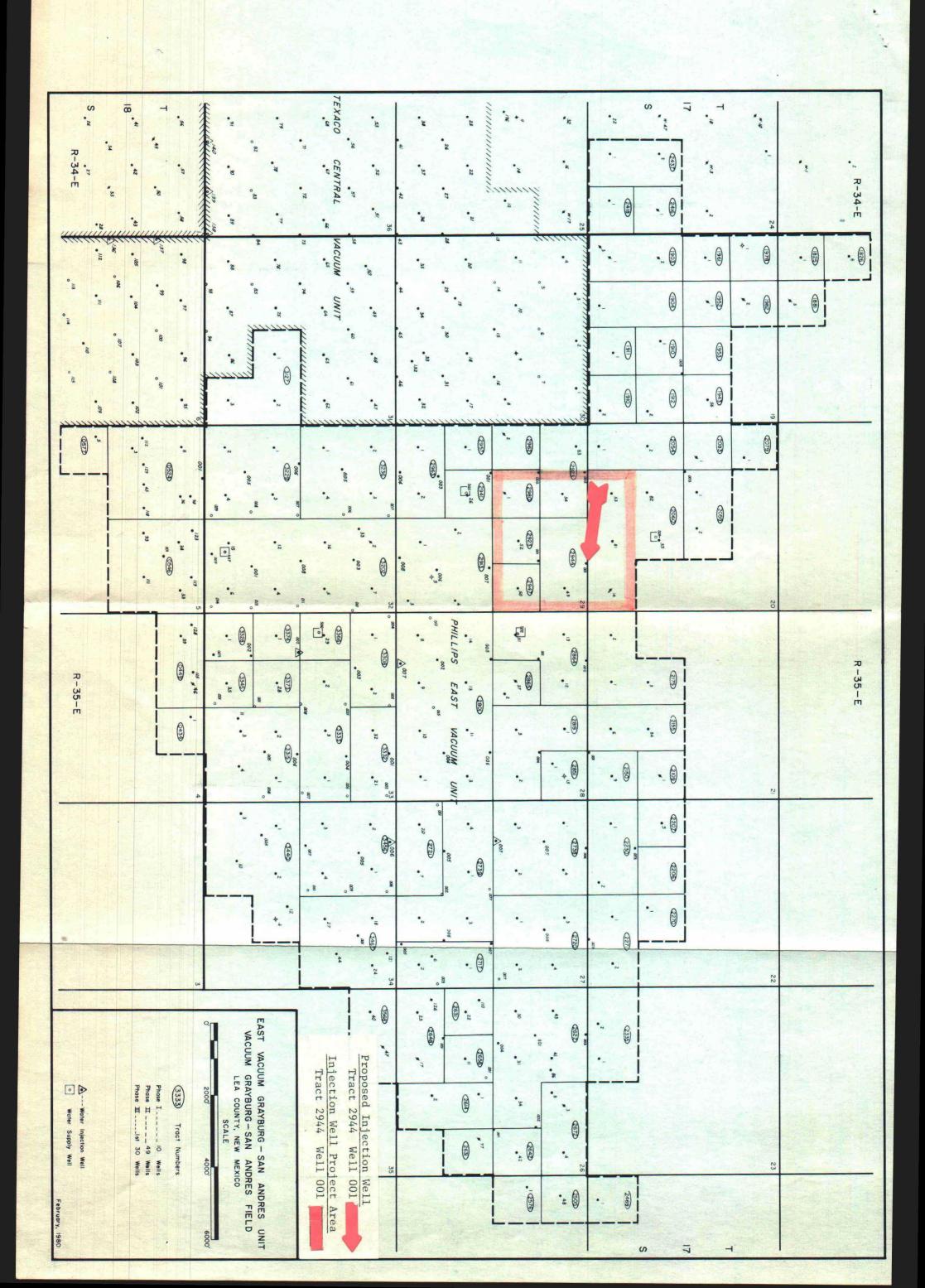
THM/jj Attachments

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

VACUUM GRAYBURG — SAN ANDRES POOL, LEA COUNTY, NEW MEXICO TRACT 2944 WELL 001

CONVERSION TO WATER INJECTION STATUS





NATURAL RESOURCES GROUP Exploration and Production

March 24, 1980

Conversion to Water Injection Service— East Vacuum Grayburg-San Andres Unit Tract No. 2230, Well No. 003 Vacuum Grayburg-San Andres Pool 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 as provided by Order No. R5897, Rule No. 9, for the East Vacuum Unit pressure maintenance project, to conver the East Vacuum Grayburg-San Andres Unit, Tract 2230, Well No. 003, 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. (Well: Unit N, 22, 17-S, 35-E.)
- 2. Compensated sonic log of the injection well.
- Diagramatic 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 4465 to 4610 feet. Injection will be by gravity with an anticipated maximum of 500 barrels of produced Grayburg-San Andres water per day.

Your consideration and early advice will be appreciated.

Very truly yours,

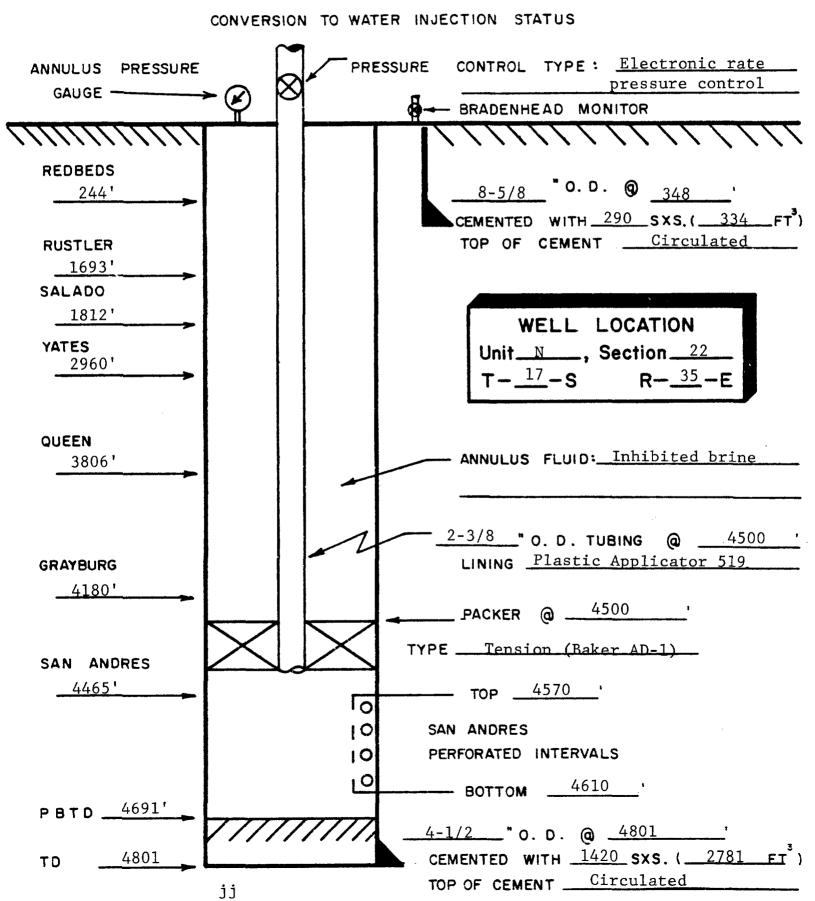
T./Harold McLemore

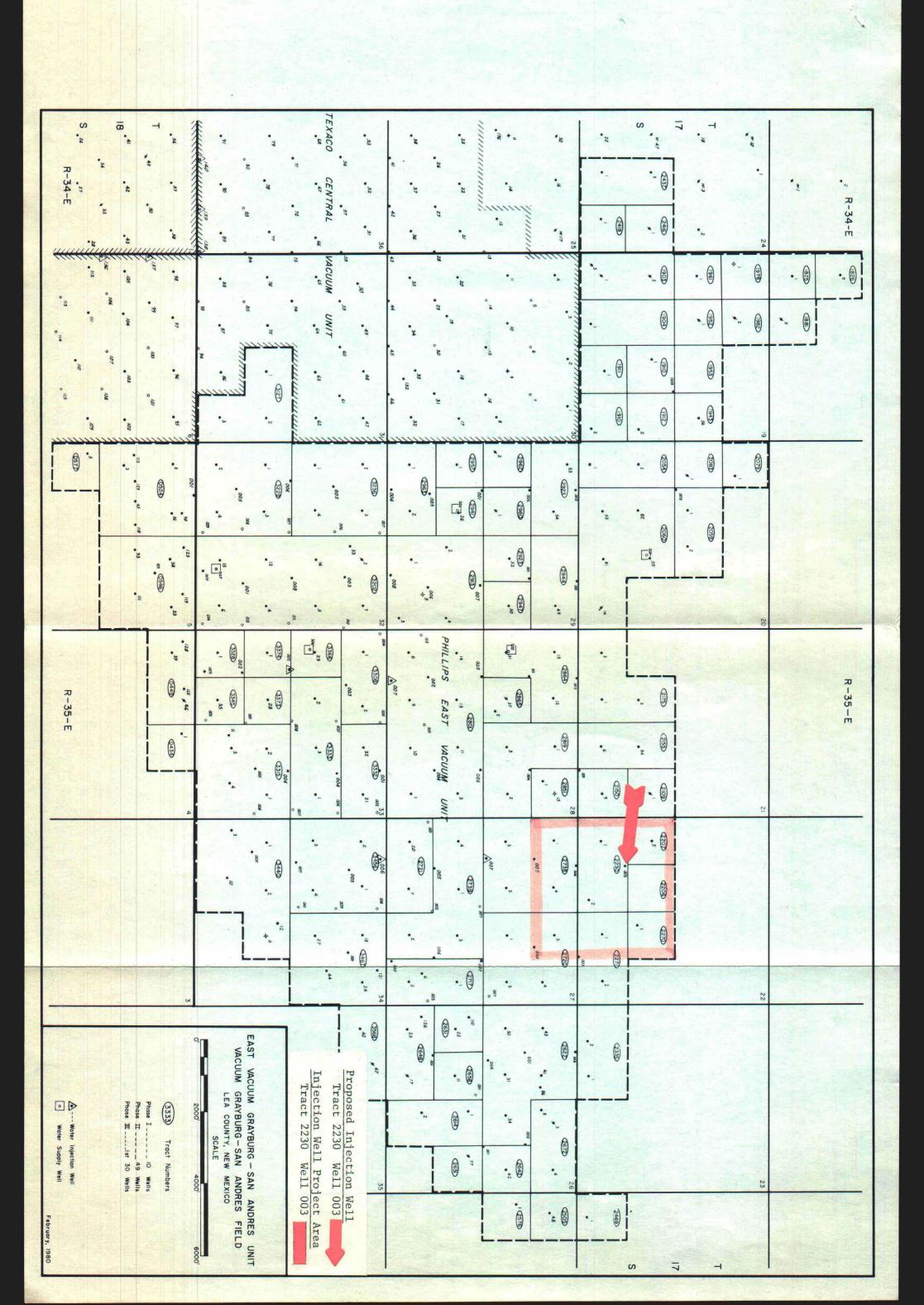
Area Regulation and Proration Analyst

THM/jj Attachments

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

VACUUM GRAYBURG — SAN ANDRES POOL , LEA COUNTY, NEW MEXICO TRACT $\frac{2230}{}$ WELL $\frac{003}{}$







NATURAL RESOURCES GROUP **Exploration and Production**

March 24, 1980

Conversion to Water Injection Service--East Vacuum Grayburg-San Andres Unit Tract No. 2864, Well No. 002 Vacuum Grayburg-San Andres Pool 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 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 2864, Well No. 002, to water injection service. The following data is submitted in support of this request:

- Unit plat reflecting the proposed injection well and injection well project area. (Well: Unit C, 28, 17-S, 35-E.)
- 2. Compensated sonic log of the injection well.
- Diagramatic sketch of the proposed well, injection tubing, packer, and pressure control elements identifying the San Andres perforated injection interval.
- The name of the injection formation is San Andres with injection to be into the interval 4492 to 4630 feet. Injection will be by gravity with an anticipated maximum of 500 barrels of produced Grayburg-San Andres water per day.

Your consideration and early advice will be appreciated.

Toulla Houelfur

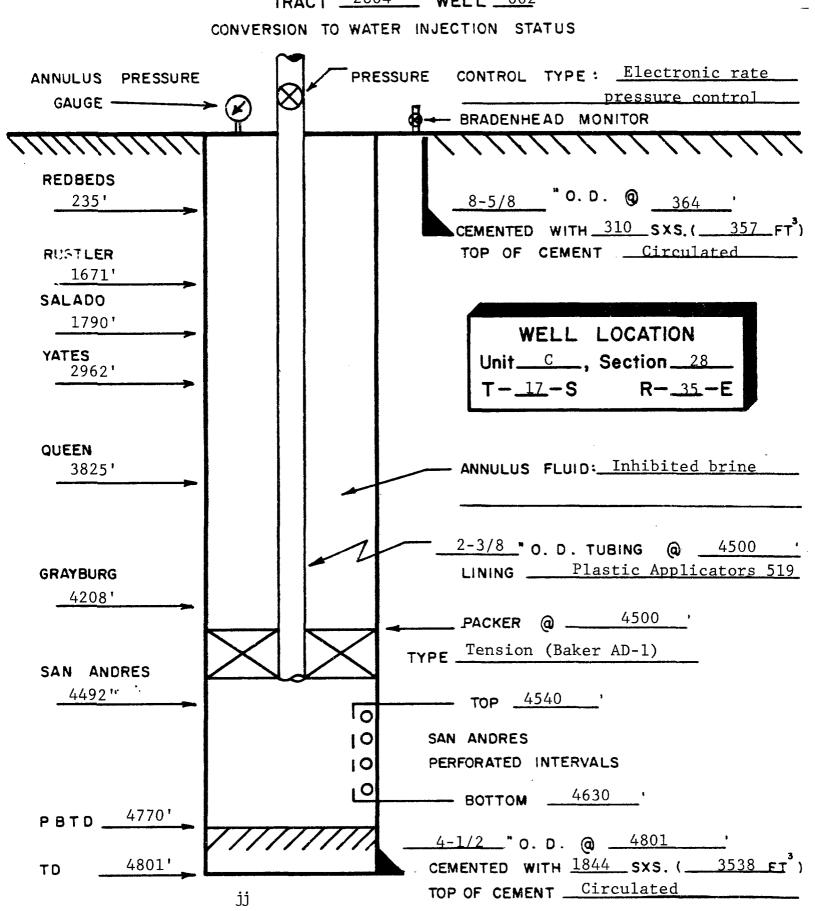
Toulla Harold McLemore

Area Regulation Area Regulation and Proration Analyst

THM/jj OBLOOKUS A. T.C. CANSION Attachments

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

VACUUM GRAYBURG — SAN ANDRES POOL, LEA COUNTY, NEW MEXICO TRACT 2864 WELL 002



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LEA COUNTY, NEW MEXICO N 47 -= (265) Proposed Injection Well Tract 2864 Well 002 Injection Well Project Area Tract 2864 Well 002 - 86 Phase II _____ 49 Wells
Phase III _____ 49 Wells Water Supply Well (3333) - 2 2614 · Lu Tract Numbers 2672 263 - 42 . 1 (2576) · + 650 2469

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NATURAL RESOURCES GROUP Exploration and Production

March 24, 1980

Conversion to Water Injection Service— East Vacuum Grayburg-San Andres Unit Tract No. 2059, Well No. 003 Vacuum Grayburg-San Andres Pool 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 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 2059, Well No. 003, to water injection service. The following data is submitted in support of this request:

- 1. Unit plat reflecting the proposes injection well and injection well project area. (Well: Unit F, 20, 17-S, 35-E.)
- 2. Compensated sonic log of the injection well.
- 3. Diagramatic 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 4594 to 4665 feet. Injection will be by gravity with an anticipated maximum of 500 barrels of produced Grayburg-San Andres water per day.

Your consideration and early advice will be appreciated.

T. Harold McLemore

Area Regulation and Proration Analyst

Quella Horull for

Attachments

cc: Oil Conservation Division

Hobbs, New Mexico (Attachments w/o CNFD log)

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

VACUUM GRAYBURG — SAN ANDRES POOL , LEA COUNTY, NEW MEXICO TRACT 1910 WELL 003

