



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP
Permian Basin Region

July 12, 1984

Order R-5897- Expansion of
Authority by Administrative Action
East Vacuum Gb/San Andres Unit,
Vacuum Gb/San Andres Pool,
Lea County, New Mexico

New Mexico Department of Energy-3
Oil and Gas Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey,
Division Director

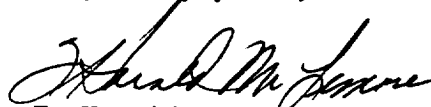
Gentlemen:

Administrative approval, provided by R-5897 and Statewide Rule 701 B(3) E(3), is requested on the captioned attached application. Such action will allow conversion of Tract 3127 well no. 004 to water injection service.

Texaco Inc. is the only offset operator while the State of New Mexico is the surface land owner. By certified mail copy hereof, their waivers of objections are requested.

Your consideration is appreciated. Please call me-(915) 367-1257- if you have any question.

Very truly yours,



T. Harold McLemore

THM/dkc
Attachments

cc: New Mexico Oil Conservation Division
Box 1980
Hobbs, New Mexico

Texaco Inc. Offset Operator
Box 728
Hobbs, New Mexico 88240

Certified Mail

July 12, 1984
New Mexico Department of Energy- 3
Page 2

State of New Mexico Surface Land Owner
office of State Land Commissioner
Box 1148
State Land Office Building
Santa Fe, New Mexico 87501

Certified Mail

Attachments

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APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☒ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no

II. Operator: Phillips Petroleum Co.

Address: Room 401, 4001 Penbrook, Odessa, Tx. 79762

Contact party: Mr. E. E. Clark Phone: (915) 367-1257 (McLemore)

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-5897.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: W. J. Mueller

Title _____

Signature: Ralph J. Roper for W.J. Mueller Date: 6-26-84

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

Examiner Hearing, October 25, 1978, Case No. 6367, R-5897

PHILL'S 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 004

CONVERSION TO WATER INJECTION STATUS

Record Only:

State Lease No. B-1527

ANNULUS PRESSURE

GAUGE

PRESSURE CONTROL TYPE: Electronic Rate

Pressure Controller

BRADENHEAD MONITOR

REDBEDS

240'

RUSTLER

1488'

SALADO

1618'

YATES

2801'

QUEEN

3700'

GRAYBURG

4034'

SAN ANDRES

4297'

P B T D 4750'

T D 4800

9-5/8"

O. D. @

369'

CEMENTED WITH 400 SXS. (488 Ft³)

TOP OF CEMENT Circulated

WELL LOCATION

Unit I, Section 31

T-17-S

R-35-E

ANNULUS FLUID: Inhibited brine

2-7/8"

O. D. TUBING @

4260'

LINING Plastic Coating or Lining

PACKER @ 4260

TYPE Husky M-1, Nickel-Plated

TOP 4310

SAN ANDRES

PERFORATED INTERVALS

BOTTOM 4636

7"

O. D. @

4798'

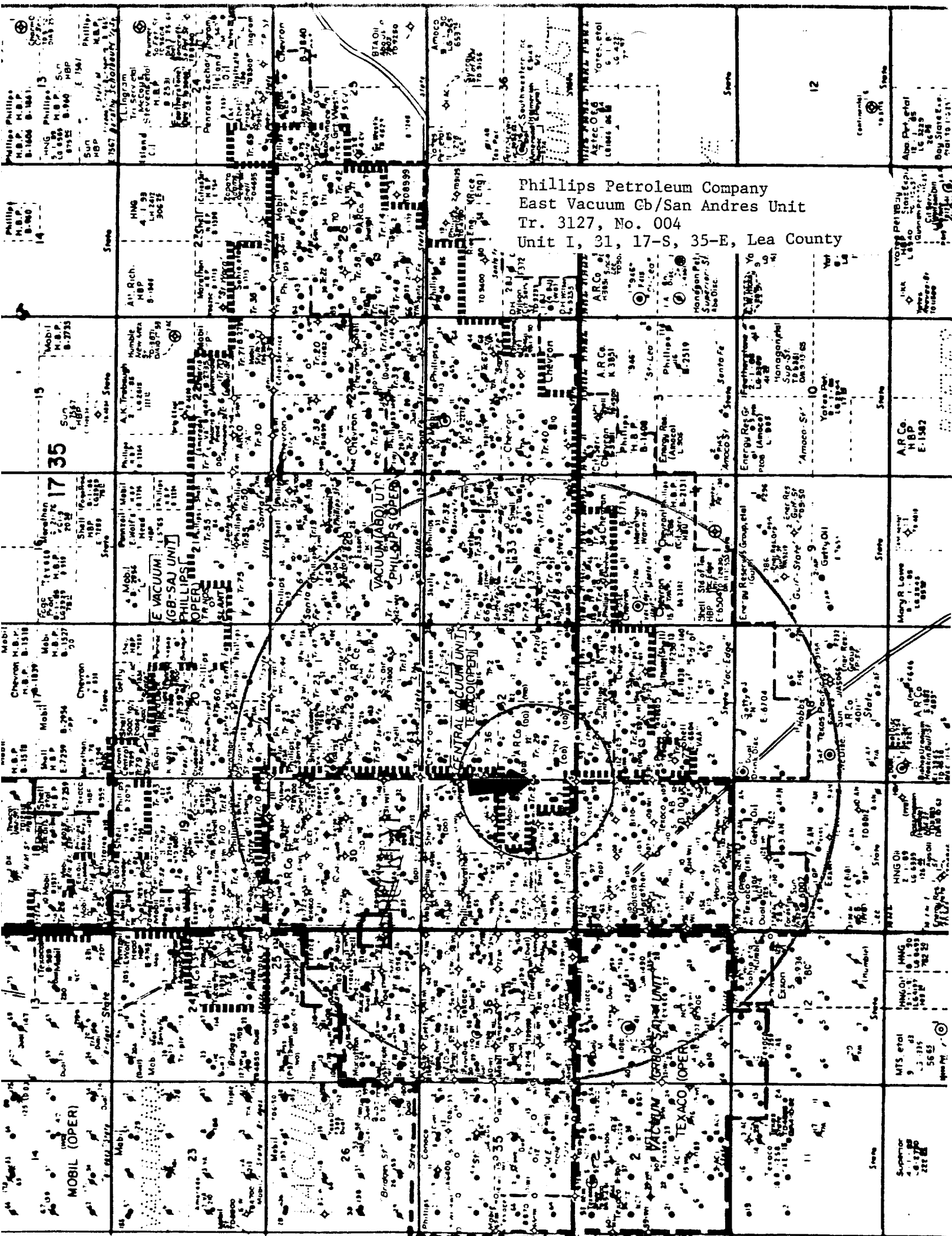
CEMENTED WITH 1100 SXS. (2074 Ft³)

TOP OF CEMENT Circulated

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Phillips Petroleum Company
R-5897, Project Expansion
East Vacuum Ga/San Andres Unit
Tract 3127, No. 004
Form C-108

Article VII: Data on proposed operation

1. Fluid injection rates: average 1500 BWPD: Maximum 3000 BWPD
2. Closed system
3. Injection pressures: average: 1000; maximum 1350
4. Sources, analysis, and compatability of injection fluids submitted in case no 6367 (Order R-5897).

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