



STANDARD OIL COMPANY OF TEXAS

A DIVISION OF CHEVRON OIL COMPANY

P. O. BOX 1249 HOUSTON TEXAS 77001

January 8, 1970

Application for Administrative
Approval to Replace Water Injec-
tion Well No. 13 With Well No. 14
Maljamar (Grayburg) Unit
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.
Secretary-Director

Gentlemen:

It is respectfully requested that administrative approval be granted to re-
place water injection Unit Well No. 13 located in Unit P, Section 3, T-17-S,
R-32-E with Unit Well No. 14, which is located 500' SW of Well No. 13 in
Unit P, Section 3, T-17-S, R-32-E, Lea County, New Mexico.

The original authorization for the Maljamar (Grayburg) water injection pro-
ject was granted to Mr. Leonard Nichols by Commission Order No. 1538. Subse-
quent expansion of the project was approved under Order Nos. 2777 and 3035.

Unit Well No. 13 which is to be replaced was temporarily abandoned during
December 1969 when a tubing leak developed. Since extensive operations would
have been required to return the well to injection, including cleaning out
the open hole section and stimulating because of extremely poor injectivity,
the well was temporarily abandoned in such a manner as to prevent migration
of fluid from the zone of injection.

It is desired to replace Unit Well No. 13 with Unit Well No. 14, 500' south-
west, so that recoverable oil on the east flank of the unit will not be lost.
The proposed conversion will maintain pressure in this portion of the field
and may possibly affect previously unswept areas, thereby preventing waste.

Maljamar Unit Well No. 14 has been standing since Standard of Texas assumed
operation of the waterflood on March 1, 1965. However, production data ob-
tained from the previous operator, Mr. Leonard Nichols, shows that Unit Well
No. 14 responded to water injection during May 1960 as monthly oil produc-
tion increased from 40 to 375 barrels.

Also, injection into Unit Well No. 13 has resulted in response at Unit Wells
6, 12 and 49; replacement by No. 14 will maintain the five-spot pattern around
Well No. 12 and should continue to affect Wells 6 and 49.

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Injection at Unit Well No. 14 will be into the Grayburg open hole interval 4043' to 4214' at approximately 150 BPD. The injected water will be field-produced salt water from the Grayburg formation.

The attached are in support of this application:

1. A plat with the location of the proposed injection well.
2. A log of Maljamar (Grayburg) Unit Well No. 14.
3. A diagrammatic sketch of the proposed completion.

The following is a list of offset operators to whom this application has been sent:

Aztec Oil & Gas Company, Box 847, Hobbs, New Mexico 88240.
Cima Capital, Inc., Booker Bldg., Artesia, New Mexico 88210.
Continental Oil Company, Box 431, Midland, Texas 79701.
Great Western Drilling Company, Box 1659, Midland, Texas 79701.
Gulf Oil Corp. - U. S., Box 670, Hobbs, New Mexico 88240
Hudson, W. A. & E. R., 1510 First National Bldg., Ft. Worth, Texas.
Humble Oil & Refining Co., Box 2100, Hobbs, New Mexico 88240.
Phillips Petroleum Company, Box 2130, Hobbs, New Mexico 88240.
Texaco, Inc., 300 Wall Ave., Midland, Texas 79701.
Waterflood Associates, Inc., 2211 Continental National Bank Bldg.,
Fort Worth, Texas.

Please advise if additional information is needed for this application.

Yours very truly,

John T. Cameron/wrm

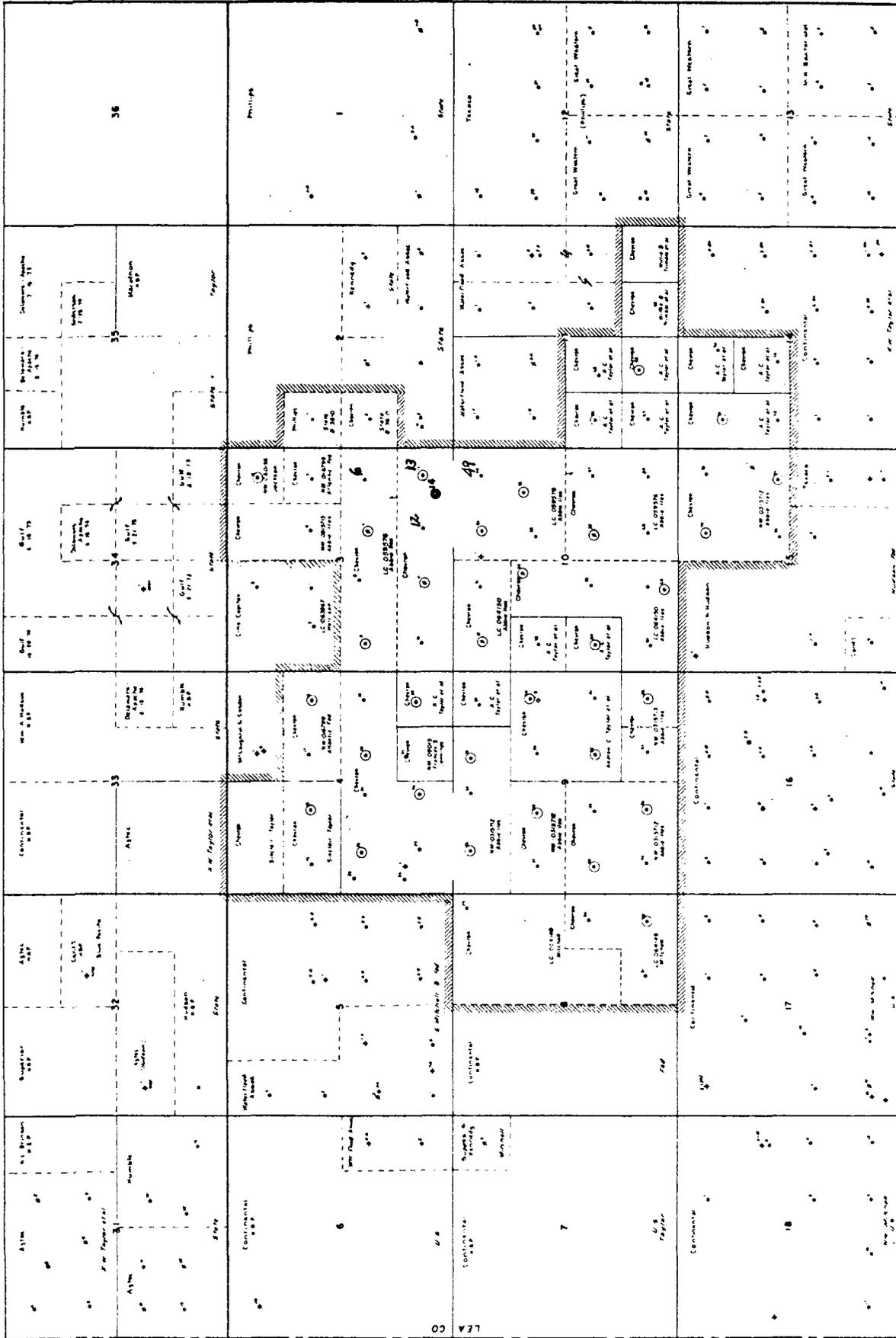
John T. Cameron
Supervising Proration Engineer

WRM:mkf

Attachments

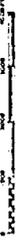
R 32 E

T 17 S



○ Present Water Injection Well
 ● Proposed Water Injection Well

MAP OF UNIT AREA
 MALJAMAR GRAYBURG UNIT
 LEA COUNTY, NEW MEXICO



LEA CO

PROPOSED WATER INJECTION WELL

WELL NAME AND NUMBER MALJAMAR (GRAYBURG) UNIT No. 14

LOCATION Unit P, 330' FSL & 990' FEL, Sec. 3, T-17-S, R-32-E Lea Co., New Mexico

