



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

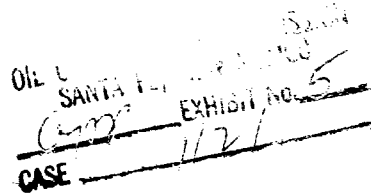
SANTA FE

S. E. REYNOLDS
STATE ENGINEER

ADDRESS CORRESPONDENCE TO:
P. O. BOX 1079
SANTA FE, N. M.

August 2, 1956

Mr. O. K. Gilbreth
Gulf Oil Company
P. O. Box 962
Roswell, New Mexico



Dear Mr. Gilbreth:

In regard to your telephone call on July 31 and Mr. Taylor's letter of August 1, 1956, requesting information on the protection of fresh water in your proposed salt water disposal well in section 6, T. 20 S., R. 37 E., reference is made to memorandum 22-56, dated July 3, 1956, from the New Mexico Oil Conservation Commission, stating that salt water should be injected below the base of the Triassic, commonly found at depths of 1200 feet to 2500 feet in Lea County. Your proposed injection zones of 4300 to 4620 and 4670 to 4720 are therefore apparently well below the base of the Triassic rocks.

Sincerely,

S. E. Reynolds
State Engineer

By: *C. B. Thompson*
C. B. Thompson
Chief, Technical Division

ZS:pg

GULF OIL CORP.
CASE No. 1121
EX. 5



PETROLEUM AND ITS PRODUCTS

GULF OIL CORPORATION

P. O. DRAWER 1290 · FORT WORTH 1, TEXAS

B. E. THOMPSON
DIVISION PRODUCTION MANAGER

FORT WORTH
PRODUCTION DIVISION

July 31, 1956

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: Application for Authorization to Use Gulf's
G. C. Matthews Well No. 6 as a Salt Water
Disposal Well

Gentlemen:

Confirming our telegram dated July 19th, Gulf Oil Corporation respectfully requests that the Commission schedule a hearing to consider our application for an order granting permission to convert Gulf's Well No. 6 G. C. Matthews into a salt water disposal well in the San Andres Formation of the Monument Pool.

Gulf's G. C. Matthews Well No. 6, located 1650 feet from the south line and 990 feet from the east line of Section 6, T-20-S, R-37-E, Lea County, New Mexico, was completed November 26, 1951, in the Monument-Blinbry Pool as an oil well producing from the perforated interval 5655'-5705'. The 7-inch casing was set at 5769 feet and cemented with 650 sacks before being completed at a plug-back depth of 5724 feet. Later, during workover operations, when attempts were made to exclude formation water, the entire perforated interval was squeezed and re-perforated from 5662'-5674'. The present plug-back total depth is 5675 feet.

In converting to a salt water disposal well, it is proposed to plug back subject well and perforate the 7-inch casing in the approximate intervals 4300'-4620' and 4670'-4720', which is in the lower portion of the San Andres Formation of the Monument Pool. Gulf Oil Corporation plans to use this well to dispose of a portion of the water being produced by our wells in the Hobbs, Monument and Eunice Pools. The casing record of Matthews No. 6 is as follows:

<u>Casing Size & Depth</u>	<u>Cement & Cement Top</u>
14" @ 330'	300 Sacks, Circulated
9-5/8" @ 2648'	1408 Sacks, 125'
7" @ 5769'	650 Sacks, 2820'

July 31, 1956

Gulf Oil Corporation is the owner and operator of the 160-acre G. C. Matthews Lease, located in the SE/4 of Section 6, T-20-S, R-37-E.

By copy of this letter, all operators within one-half mile of the proposed injection well, as well as each offset operator, are notified of the intent of Gulf Oil Corporation to convert subject well for salt water disposal purposes.

Respectfully submitted,

GULF OIL CORPORATION

By: 
Division Production Manager

cc: Oil Conservation Commission
P. O. Box 2045
Hobbs, New Mexico

Amerada Petroleum Corporation
P. O. Box 2040
Tulsa, Oklahoma

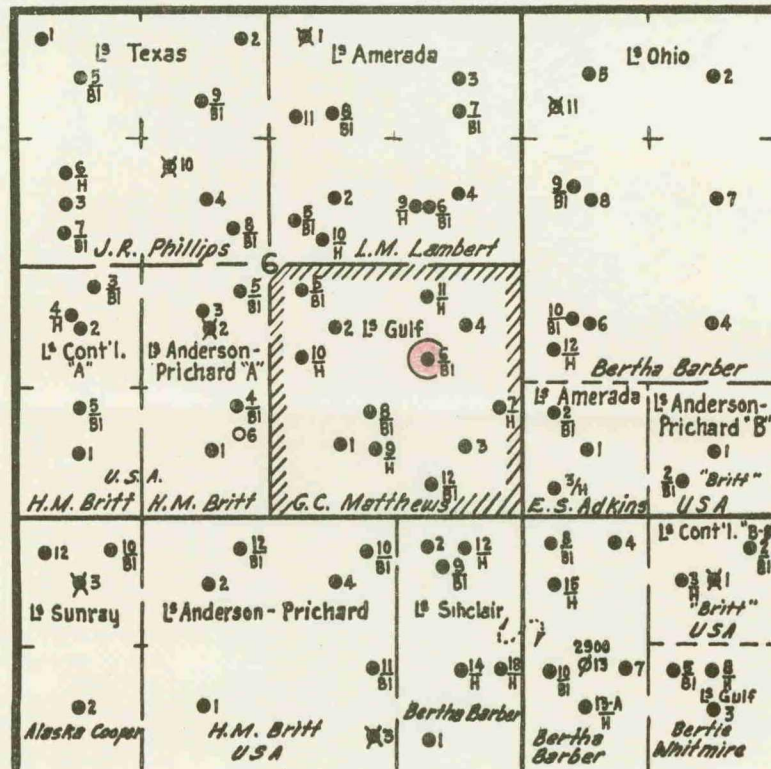
Anderson-Pritchard Oil Corporation
P. O. Box 2197
Hobbs, New Mexico

Continental Oil Company
P. O. Box 427
Hobbs, New Mexico

Ohio Oil Company
P. O. Box 552
Midland, Texas

Sinclair Oil & Gas Company
P. O. Box 1470
Hobbs, New Mexico

The Texas Company
P. O. Box 1270
Midland, Texas



Gulf Oil Corporation
G. C. Matthews Lease
Well No. 6

Proposed Salt Water
Disposal Well

Scale 1" = 2000'