

NEW MEXICO DEPARTMENT OF ENERGY & MINERALS

OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION
OF MOBIL PRODUCING TEXAS & NEW
MEXICO INC. FOR PERMISSION TO
EXPAND ITS BRIDGES-STATE WATER-
FLOOD PROJECT WITHIN THE VACUUM
(GRAYBURG-SAN ANDRES) POOL,
LEA COUNTY, NEW MEXICO.

Case No. 7866

A P P L I C A T I O N

1. Application of Mobil Producing Texas & New Mexico Inc. for permission to expand its Bridges-State Waterflood Project within the Vacuum (Grayburg-San Andres) Pool, Lea County, New Mexico, by the drilling of four water injection wells at unorthodox locations, as hereinafter designated and identified.

2. Attached hereto and made a part hereof is a plat showing the location of the wells proposed to be drilled. Applicant has agreed to drill such water injection wells pursuant to a Cooperative Water Injection Agreement entered into by applicant, as operator of the Bridges-State Waterflood Project; Texaco Inc., as operator of the West Vacuum Unit and the Central Vacuum Unit; Conoco Inc., as operator of the State H-35 Lease in Section 35, Township 17 South, Range 34 East, N.M.P.M.; and Phillips Petroleum Company, as operator of the M. E. Hale Lease and the Mable Lease, also in said Section 35. The location of the four water injection wells, which applicant proposes to drill, are as follows:

Well A - 2,340 feet from the north line and 2,630 feet from the west line of Section 25

Well B - 2,630 feet from the north line and 10 feet from the east line of Section 26

Well C - 10 feet from the south line and 1,250 feet from the east line of Section 26

Well D - 10 feet from the south line and 2,630 feet from the east line of Section 26

all in Township 17 South, Range 34 East, N.M.P.M. The leases operated by the respective parties to the Cooperative Water Injection Agreement have been the subject of prior orders of the

Division identified as Order Nos. R-5530 and R-5530A, R-7103, R-7182, R-1244 and R-3318.

3. The heretofore referred to Cooperative Water Injection Agreement is, in effect, a lease line agreement, and, as indicated by the plat attached, other operators hereinabove identified undertake to drill similar injection wells at locations within the lines of their respective leases. Offset operators to the wells proposed to be drilled pursuant to this application are parties to the said agreement and, therefore, are fully aware of the applicant's proposal. A copy of the Cooperative Water Injection Agreement will be introduced as a part of the record at the hearing on this application.

4. The injection wells proposed by this application will be completed in a manner similar to the wells currently being used for water injection purposes within the Bridges-State Waterflood Project and the source of the water proposed to be used for injection is produced water. The average injection rate is estimated to be between 700 to 1,000 barrels of water per well per day and the estimated injection pressure at wellhead is 800 pounds. In addition to produced water as a source of injection water, applicant has three water supply wells drilled by it available as injection water.

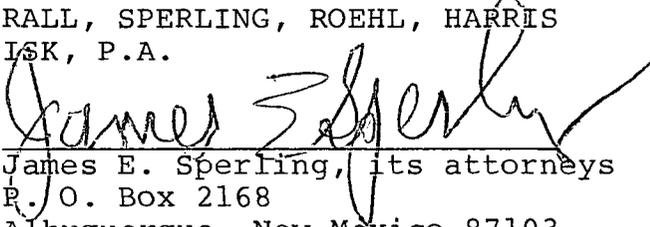
5. The granting of this application will result in the prevention of waste, will protect correlative rights and will result in the recovery of otherwise unrecoverable oil.

WHEREFORE, the applicant requests this matter be set for hearing before an Examiner on May 11, 1983, and that thereafter the Division issues its order granting this application.

Respectfully submitted,

MOBIL PRODUCING TEXAS & NEW MEXICO INC.

By: MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

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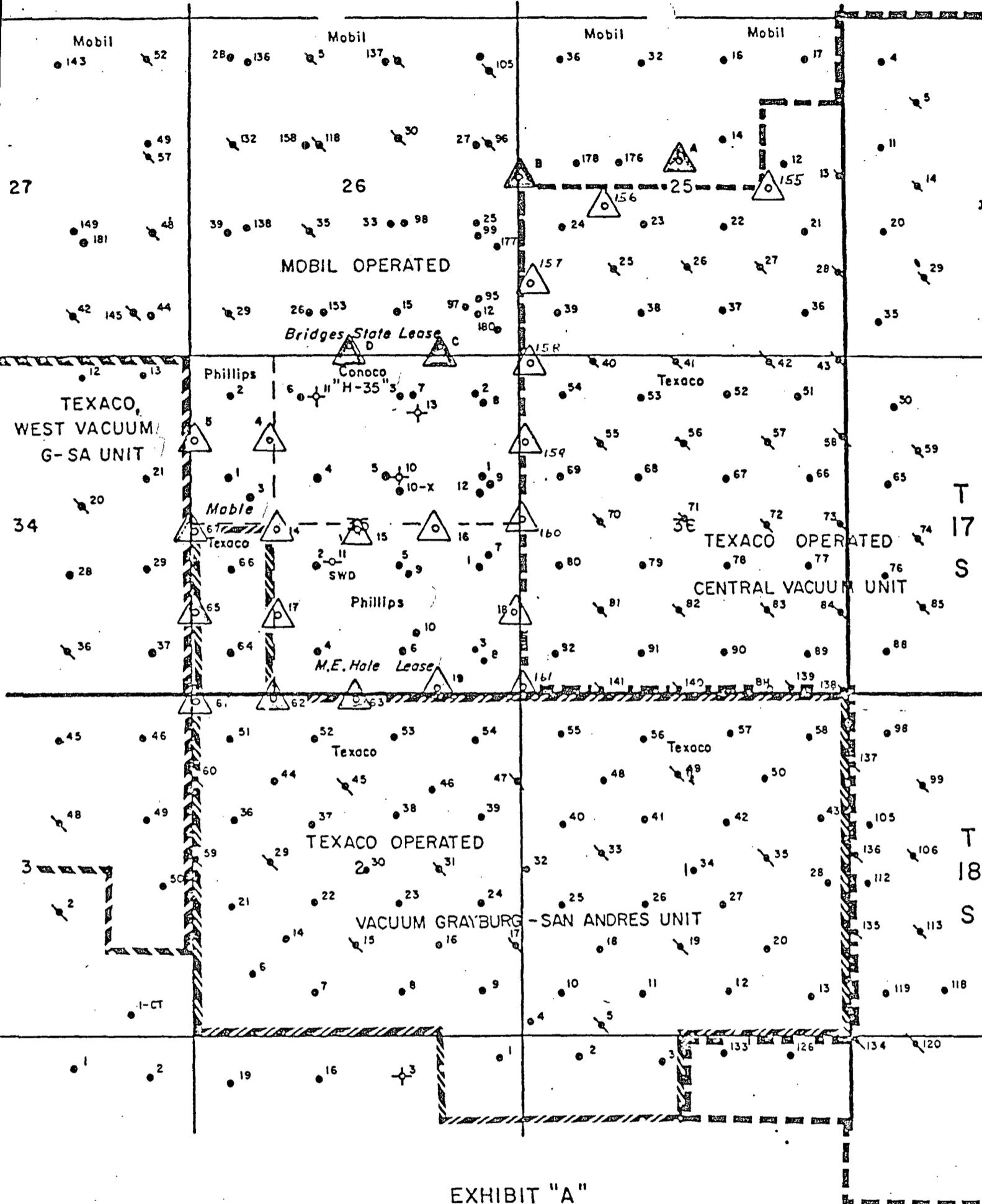


EXHIBIT "A"

COOPERATIVE WATER INJECTION AGREEMENT
 VACUUM GRAYBURG - SAN ANDRES FIELD
 LEA COUNTY, NEW MEXICO

PROPOSED INJECTOR TO BE DRILLED AND OPERATED BY

-  PHILLIPS - HALE B MABLE LEASES
-  TEXACO - CENTRAL VACUUM UNIT
-  TEXACO - VACUUM GRAYBURG-SAN ANDRES UNIT
-  MOBIL - BRIDGES STATE LEASE