Case 1401

PETROLEUM AND ITS PRODUCTS

GULF OIL CORPORATION

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

E. HOSFORD
DIVISION PRODUCTION COORDINATOR

FORT WORTH
PRODUCTION DIVISION

February 6, 1958

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

Re: Application to Dually Complete Gulf's T. R. Andrews Well No. 3 so as to Produce from the Paddock Oil Pool and the Tubb Gas Pool

Gentlemen:

Gulf Oil Corporation respectfully submits application for permission to dually complete subject well, and requests that the Commission set this matter for examiner hearing at an early date.

The following facts are offered in support of this application:

(1) Gulf Oil Corporation's T. R. Andrews Well No. 3 is located 1980 feet from the south and east lines of Section 32, T-22-S, R-38-E, Lea County, New Mexico. This well was originally drilled with the intent of dually completing as a Drinkard oil and Tubb gas well. However, the Drinkard pay was found to be non-commercial, and, after testing, plans were changed to provide for a Paddock oil and Tubb gas, oil over gas, dual completion. After perforating the 5½" casing, the Paddock pay flowed 81 barrels of oil and 4 barrels of water through 22/64" choke on a 10-hour natural test. On a production test, the Tubb gas zone flowed at a rate of 2,700 MCF with 225-pound back pressure through 2-3/8" tubing. Attached is a plat of the area, as well as a diagrammatic sketch of the proposed dual equipment.

(2) Gulf's T. R. Andrews Well No. 3 was drilled to a total depth of 7100 feet and 5½" casing set at 7099 feet and cemented with 850 sacks. The plugged back total depth is 6500 feet. The 5½" casing opposite the Tubb zone was perforated with F. I. gun at 6281, 6256, 6236, 6195, 6172, 6110, and 6052 feet. The Paddock oil zone was perforated from 5164 to 5216 feet with four ½" jet holes per foot.

(3) In dually completing the well, applicant proposes to use a Baker Crossover Flow Assembly. In utilizing

this equipment, the Tubb gas production will enter the tubing and pass through the crossover assembly and up the tubing-casing annulus. The Paddock oil production will enter the 5½" casing and pass through the crossover equipment into the 2-3/8" tubing to the surface. To assure separation between the two pays, a Baker Model "D" Packer has been set at 6000 feet and a Baker Model "A" Packer at 5130 feet with 2-3/8" tubing at 6284 feet, as shown on the attached sketch.

The manner and method of the proposed dual completion is mechanically feasible and practical and the granting of this application is in the interest of conservation and the protection of correlative rights. Applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the two pays.

By copy of this letter of application, all offset operators are notified of the proposed dual completion.

Respectfully submitted,

GULF OIL CORPORATION

By E. Hayford M
Division Production Coordinator

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

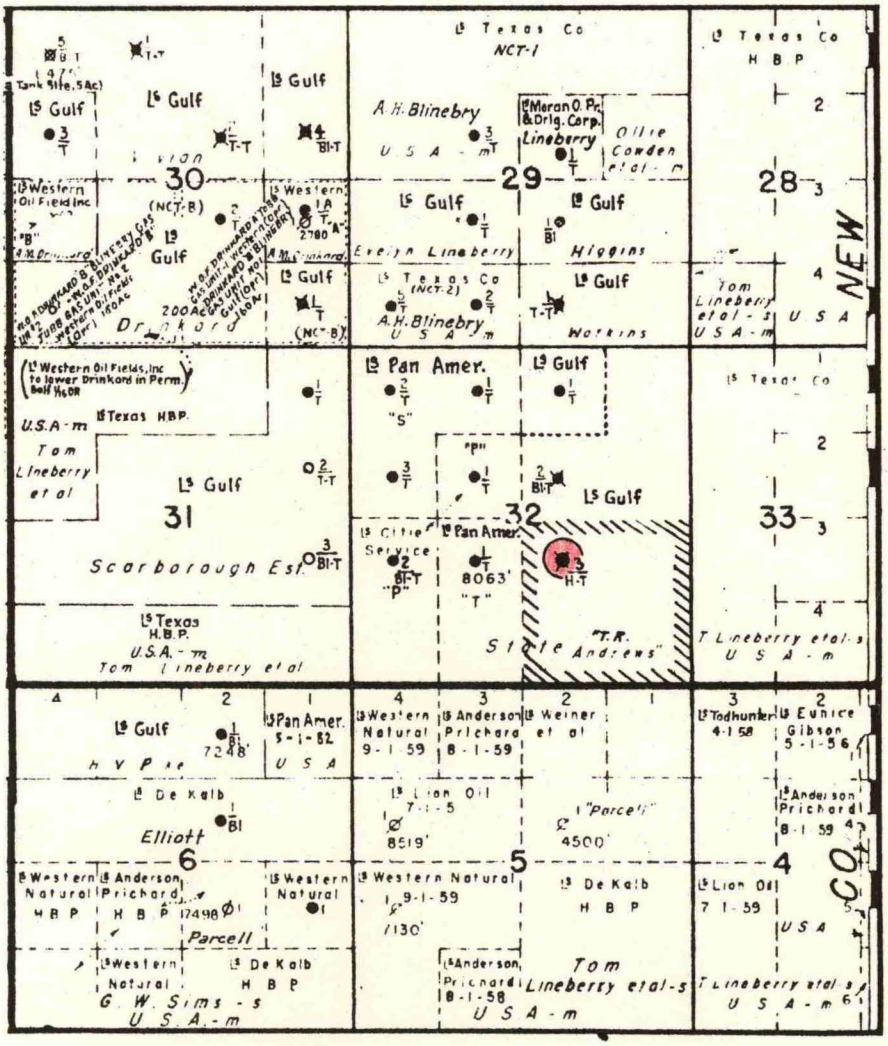
Anderson Prichard Oil Corporation
P. O. Box 196
Midland, Texas

Cities Service Oil Company
P. O. Box 97
Hobbs, New Mexico

Pan American Oil Corporation
P. O. Box 899
Roswell, New Mexico

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

Ted Weiner et al
6100 Camp Bowie Blvd.
Fort Worth, Texas



GULF'S T. R. ANDREWS LEASE
LEA COUNTY, NEW MEXICO

Legend

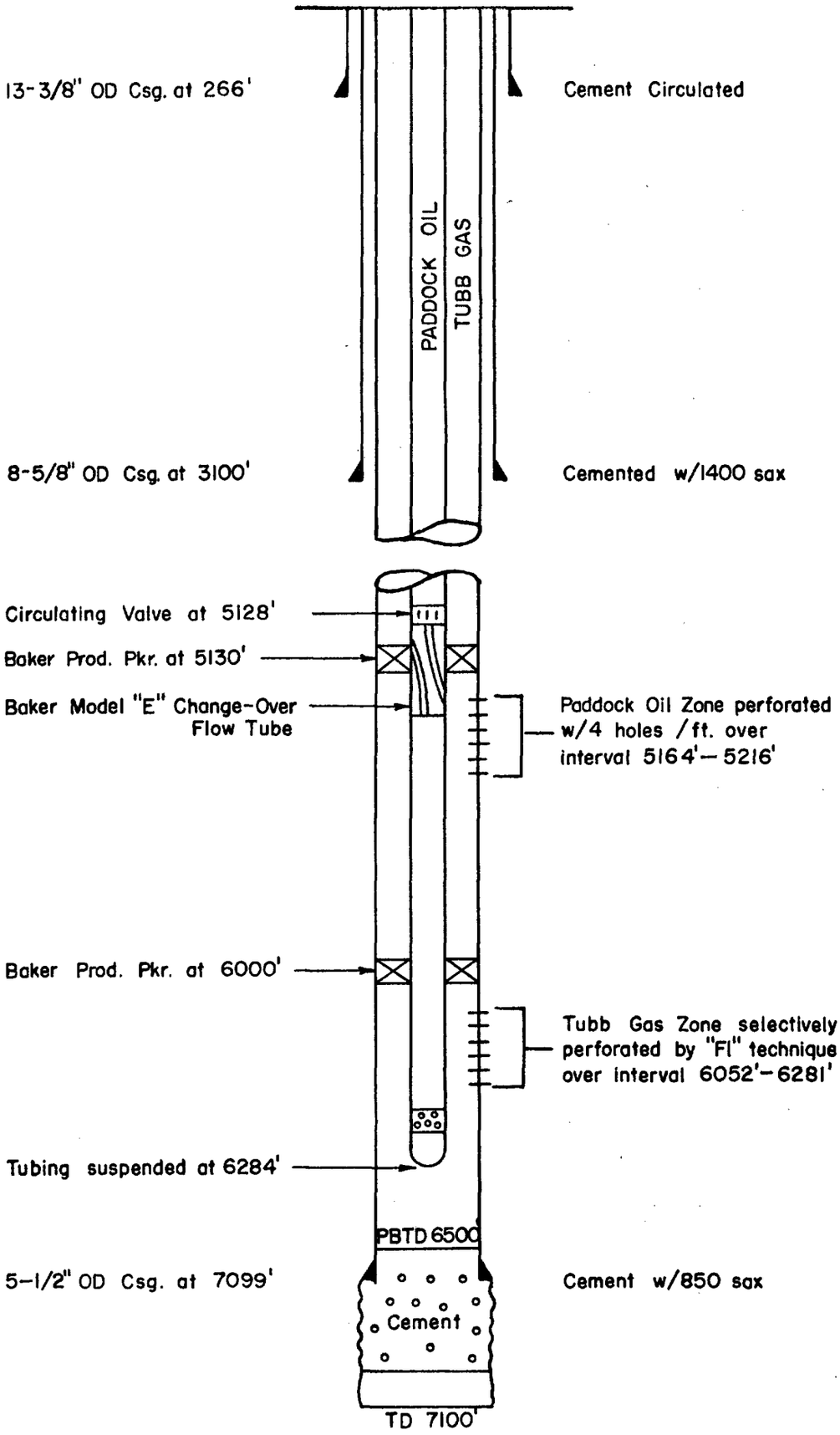
Paddock Oil Unit 40 Ac.

Tubb Gas Unit 160 Ac.

Proposed Oil Over Gas Dual

GULF OIL CORPORATION

SCALE 1" = 3000'



Case No. _____
Exhibit No. _____

NOTE

Drawing not to scale

PROPOSED MECHANICAL INSTALLATION
PADDOCK OIL—TUBB GAS DUAL COMPLETION
T.R. ANDREWS WELL NO. 3

Gulf Oil Corporation — Ft. Worth Prod. Div.