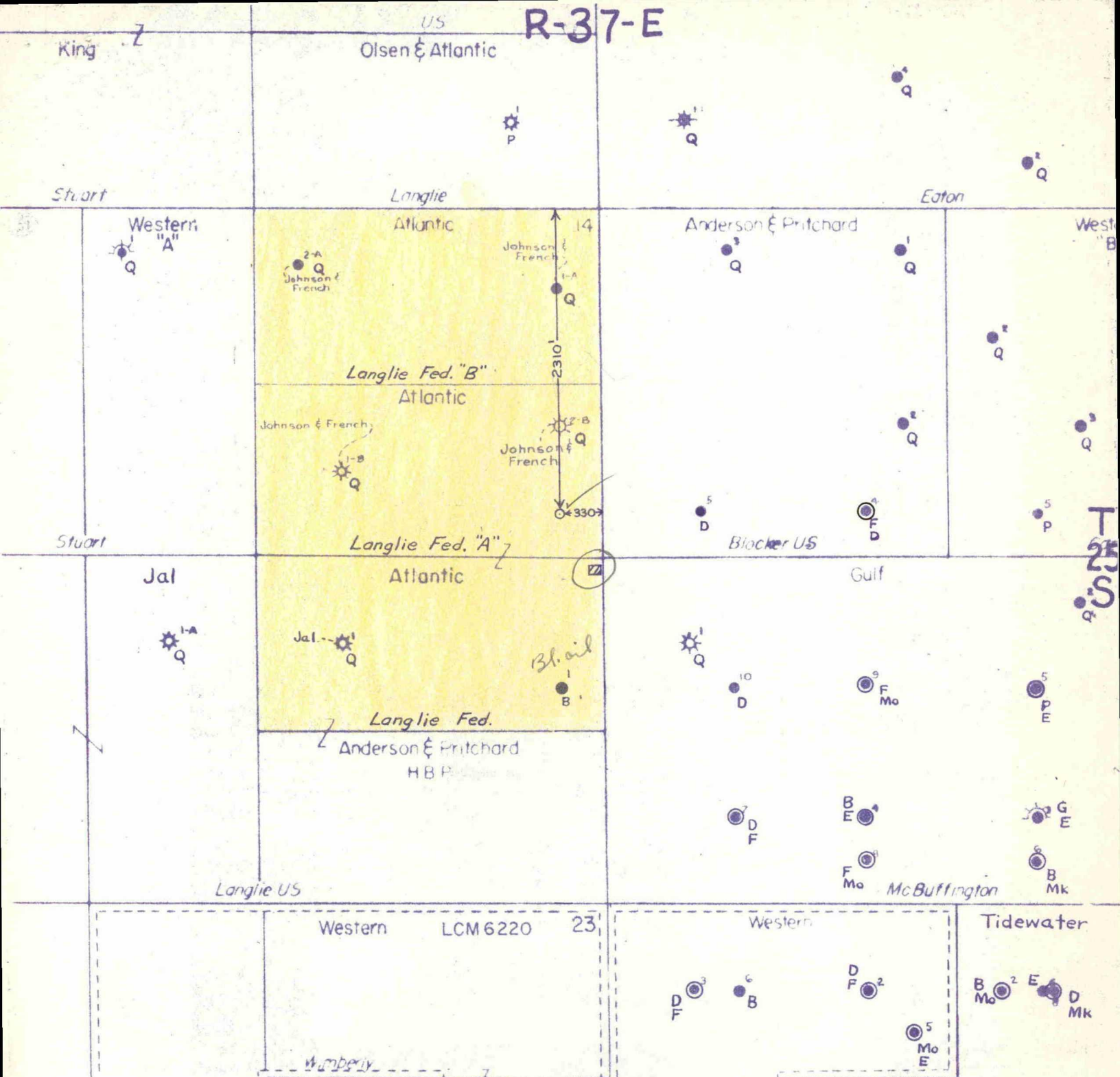


R-37-E



THE ATLANTIC REFINING COMPANY
WEST TEXAS-NEW MEXICO REGION

AREA OF ATLANTIC LANGLEIE FEDERAL LEASE
Justis Pool
Scale: 1" = 1000'

LEGEND:

- | | |
|------------------|-----------------|
| P - Paddock | F - Fusselman |
| B - Blinebry | Mo - Montoya |
| T - Tubb | Mk - McKee |
| D - Drinkard | E - Ellenburger |
| ☐ - Tank Battery | |

Atlantic Exhibit No.
Case No.



THE ATLANTIC REFINING COMPANY

INCORPORATED 1870

PETROLEUM PRODUCTS

February 13, 1961

DOMESTIC PRODUCING DEPARTMENT
WEST TEXAS-NEW MEXICO REGION

R. T. COX, MANAGER

F. E. FLETCHER, OPERATIONS MANAGER

MARVIN L. MILLS, DRILLING SUPERINTENDENT

S. L. SMITH, EXPLORATION MANAGER

CLAUDE WILLIAMS, LAND MANAGER

MIDLAND SAVINGS & LOAN BLDG.

MAILING ADDRESS

P. O. BOX 1610

MIDLAND, TEXAS

*File Carl
1811*

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

Attention: Mr. A. L. Porter

Re: Change in Method of Allocating
Commingled Production, Langlie
Federal Leases, Justis Field,
Lea County, New Mexico

Gentlemen:

In December, 1959 the New Mexico Conservation Commission in Order No. R-1557 granted The Atlantic Refining Company permission to commingle production on its Langlie Federal, Langlie Federal "A", and Langlie Federal "B" leases in Justis Field. The existing method of metering production is shown in Figure 1. We respectfully request permission to change the method of metering production to that shown in Figure 2.

In the existing installation water is removed from each pool on each lease. The clean oil is metered separately from each pool on each lease before being commingled. In the proposed method shown in Figure 2, each pool on each lease will be equipped with a meter and sampler. The fluid will then be commingled and water removed in a common treating system. The net oil production from each pool on each lease will then be determined from the metered volumes and samples obtained. At such time as water production from any pool becomes too great for accurate metering a free water knockout can be installed upstream of the meters.

All meters can be checked for accuracy at intervals specified. Approval of this proposal will neither cause waste nor impair correlative rights.

Below is a list of the wells and the pool in which each is completed at the present time.

<u>Well</u>	<u>Producing Zone</u>
Langlie Federal #1 UT	Blinebry
Langlie Federal #1 LT	Drinkard-Tubb
Langlie Federal "A" #1 UT	Blinebry
Langlie Federal "A" #1 LT	Drinkard-Tubb

Yours very truly,

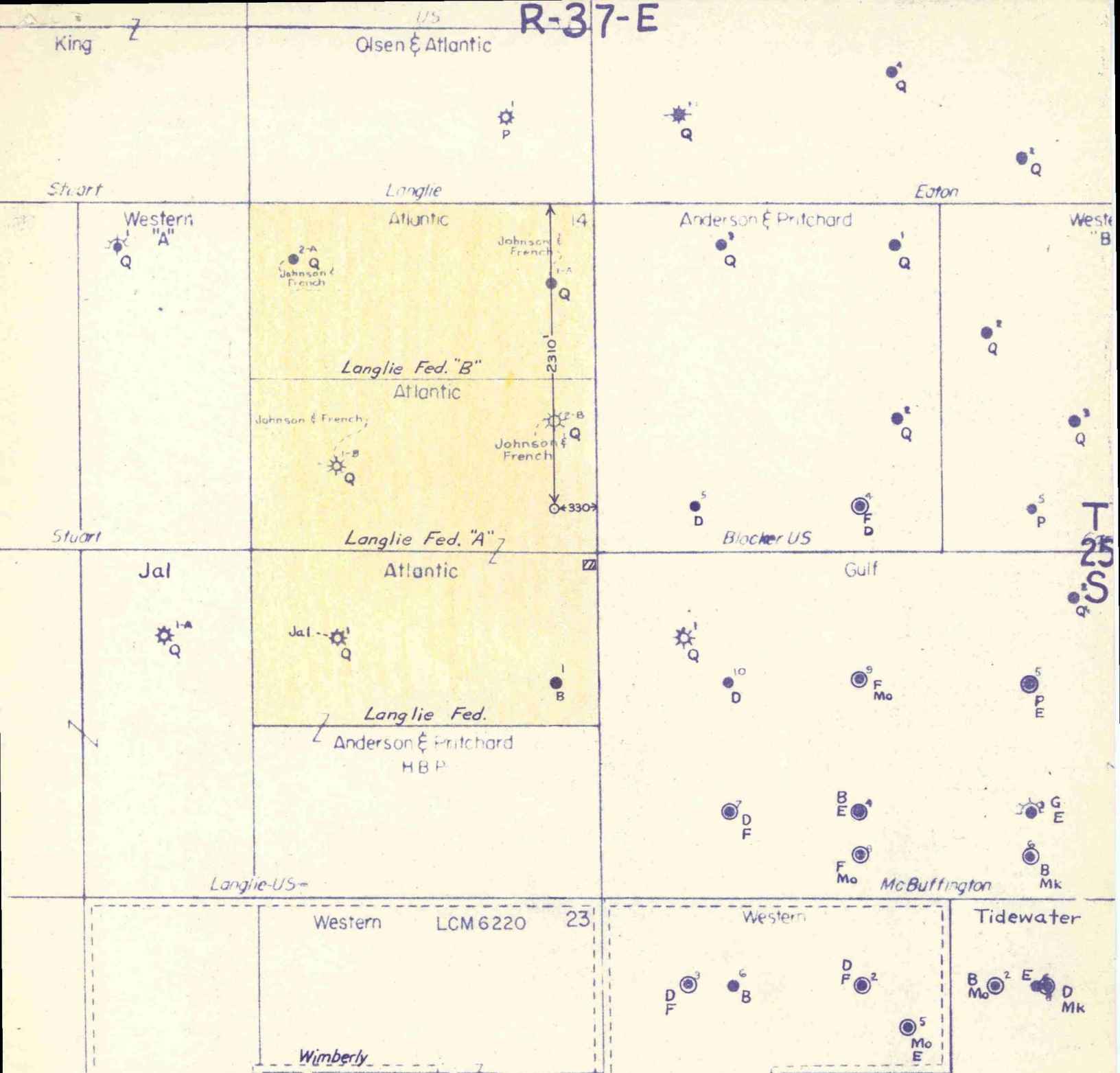
THE ATLANTIC REFINING COMPANY



H. E. Bond
Regional Production Superintendent

HTF/em

R-37-E



THE ATLANTIC REFINING COMPANY
WEST TEXAS-NEW MEXICO REGION

AREA OF ATLANTIC LANGLEIE FEDERAL LEASE

Justis Pool

Scale: 1" = 1000'

LEGEND:

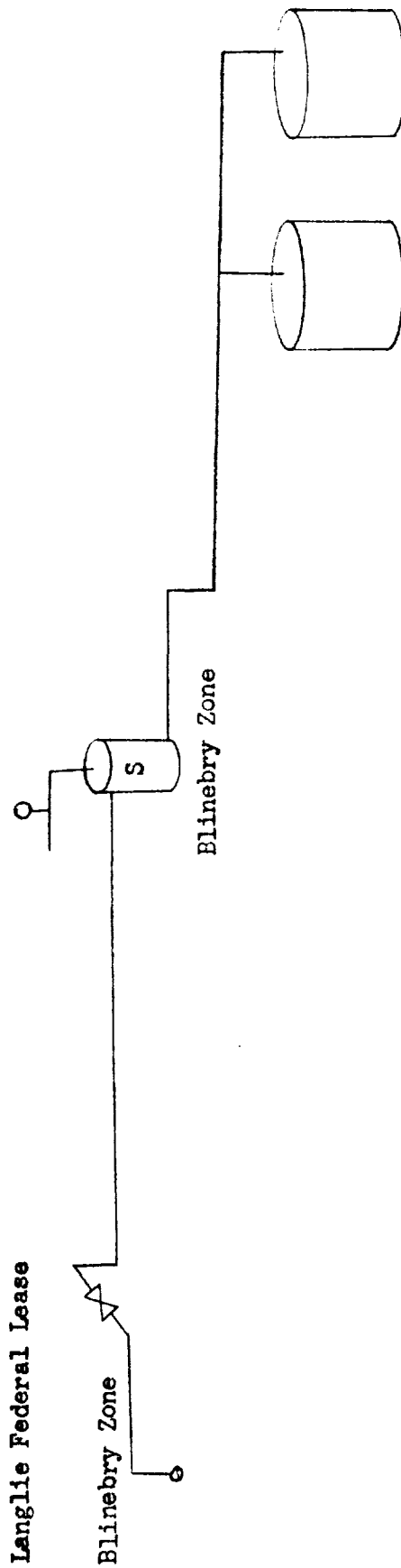
P - Paddock
B - Blinebry
T - Tubb
D - Drinkard
Q - Queen

F - Fusselman
Mo - Montoya
Mk - McKee
E - Ellenburger
[Symbol] - Tank Battery

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 1811

Atlantic Exhibit No.
Case No. 1811

ATLANTIC EXHIBIT



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Utz EXHIBIT NO. 2
CASE NO. 1811

LEGEND:

- S - Separator
- ∇ - Gas Meter
- ⋈ - Manual block valve

THE ATLANTIC REFINING COMPANY
PROPOSED TANK BATTERY TO
COMMINGLE PRODUCTION
LANGLIE FEDERAL, LANGLIE FEDERAL "A",
AND LANGLIE FEDERAL "B" LEASES
JUSTIS FIELD, LEA COUNTY, NEW MEXICO
FIGURE I
EXISTING TANK BATTERY FOR FIRST WELL

Langlie Federal Lease

Blinebry Zone (Existing)

Tubb Zone (Possible)

THE ATLANTIC REFINING COMPANY
PROPOSED TANK BATTERY TO
COMINGLE PRODUCTION
JUSTIS AREA, LEA COUNTY, NEW MEXICO

FIGURE II
TANK BATTERY WITH SIX WELLS

Langlie Federal "A" Lease

Blinebry Zone (Possible)

Drinkard Zone (Possible)

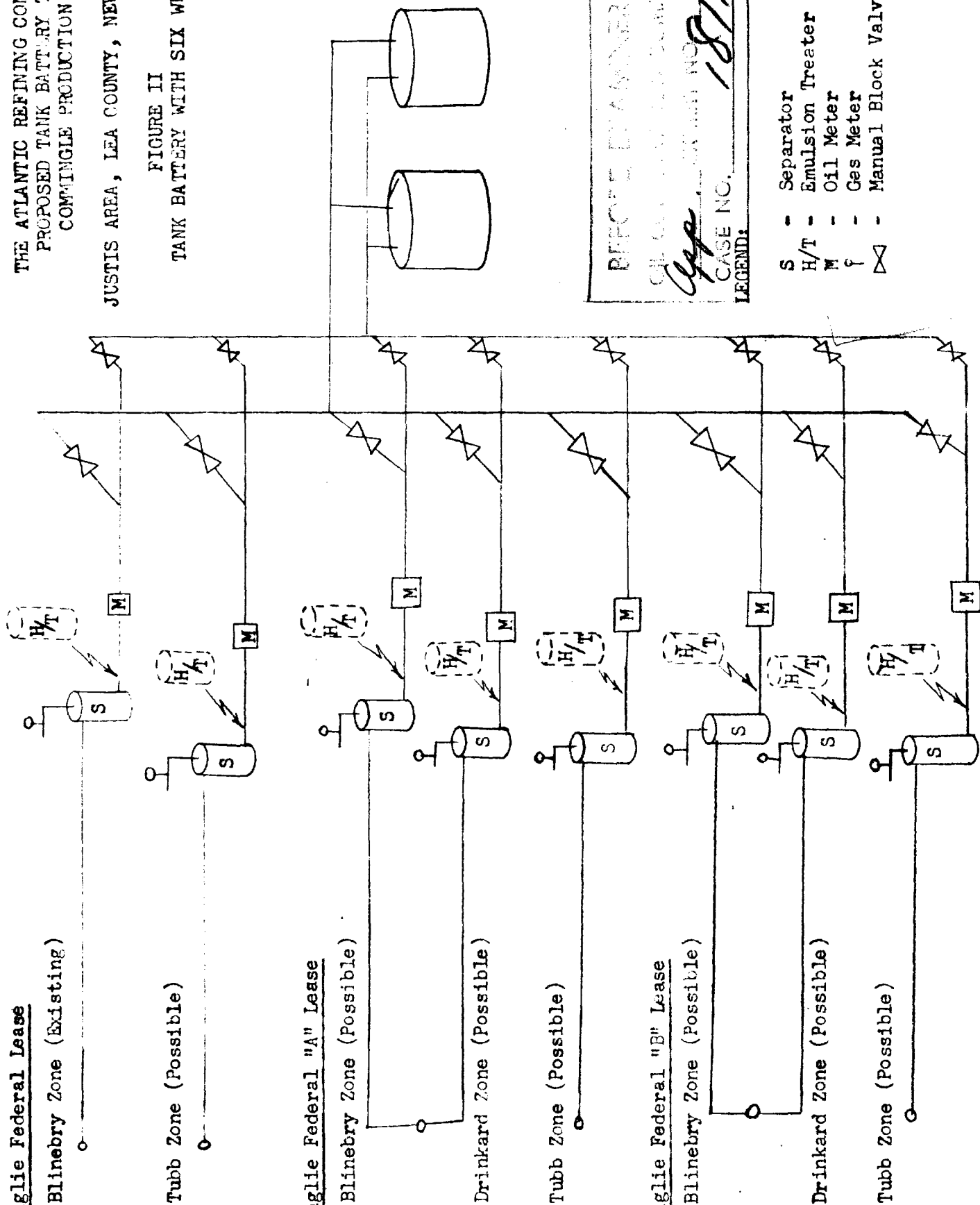
Tubb Zone (Possible)

Langlie Federal "B" Lease

Blinebry Zone (Possible)

Drinkard Zone (Possible)

Tubb Zone (Possible)



BEFORE ENGINEER UTZ
OIL COMPANY OF NEW MEXICO
App. CASE NO. 1811
LEGEND:

- S - Separator
- H/T - Emulsion Treater
- M - Oil Meter
- φ - Gas Meter
- Δ - Manual Block Valve

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

December 17, 1959

**Mr. Sim Christy
Hervey, Dow & Hinkle
Box 547
Roswell, New Mexico**

Dear Mr. Christy:

**On behalf of your client, The Atlantic Refining,
we enclose two copies of Order No. R-1557 issued
by the Oil Conservation Commission in Case 1811.**

Very truly yours,

**A. L. PORTER, Jr.
Secretary-Director**

ir/

C
O
P
Y

OIL CONSERVATION COMMISSION

P. O. BOX 871
SANTA FE, NEW MEXICO

February 17, 1961

The Atlantic Refining Company
P. O. Box 1610
Midland, Texas

Attention: Mr. H. E. Bond

Gentlemen:

Reference is made to your letter of February 13, 1961, wherein you request permission to modify the commingling installation which you operate under authority of Order No. R-1557 on your Langlie Federal, Langlie Federal "A", and Langlie Federal "B" Leases in the Justis Field, Lea County, New Mexico.

It is our understanding that you wish to remove the heater-treaters from their position directly between the separators and the meters and instead use a sampler downstream from the meter, treating the commingled product rather than the individual production from each pool underlying each lease.

This arrangement will be satisfactory to the Commission provided that continuous sampling is made and complete mixing of the sample is accomplished prior to grind-out. Free water knockouts shall also be installed upstream from the meters at any time accurate measurement of the oil becomes impossible.

Meters shall continue to be checked for accuracy and reports of meter calibration tests filed with the Commission. You should also keep records of the tests made of the accumulated samples although it will not be necessary to file these with the Commission at this time.

Very truly yours,

A. L. PORTER Jr.,
Secretary-Director

ALP/DSN/mzs

CC: Oil Conservation Commission - Hobbs, New Mexico

LEGEND

- S— Separator
- H/T— Emulsion Treater
- M— Oil Meter
- g— Gas Meter
- SA— Sampler
- ⋈— Manual Block Valve

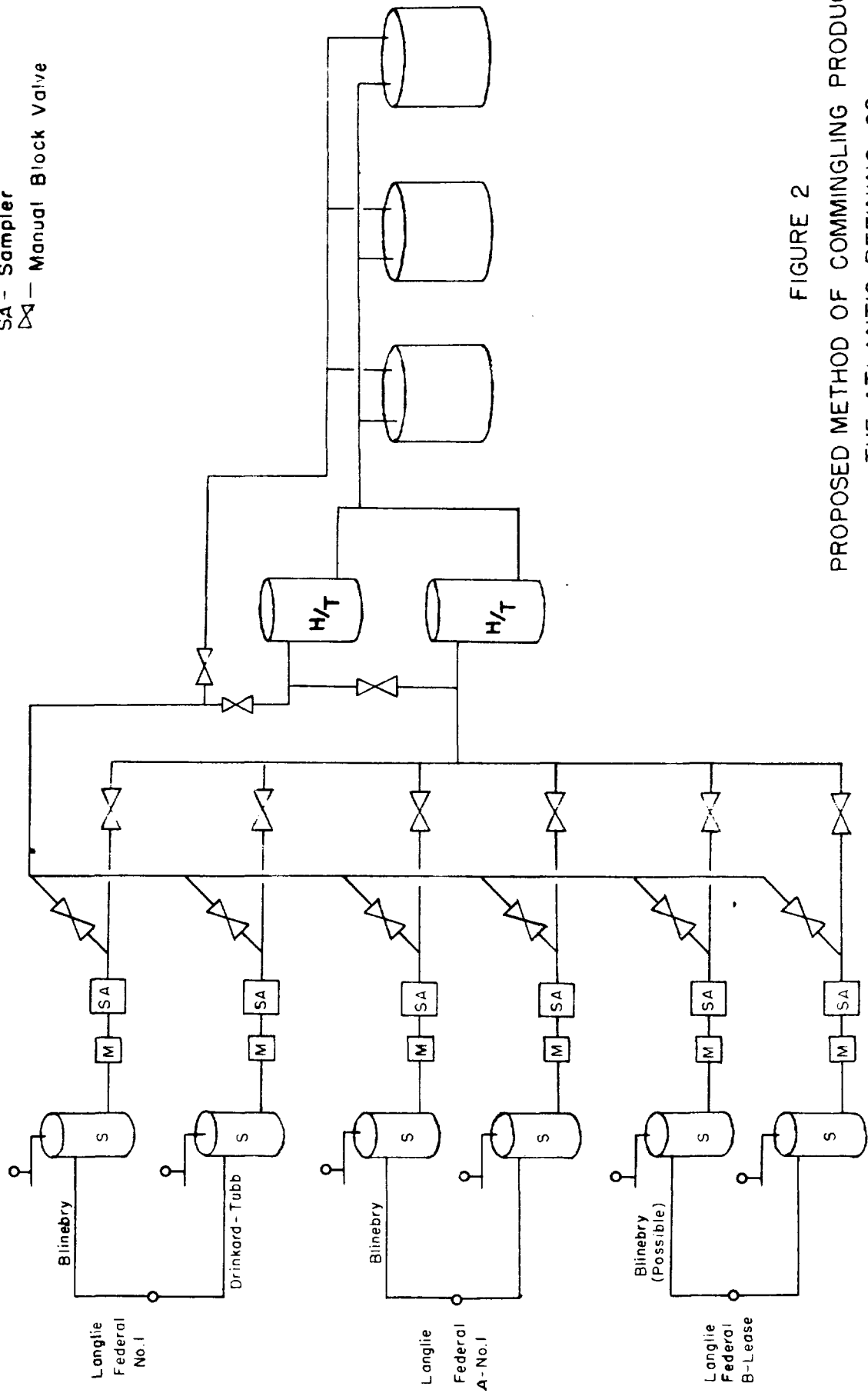


FIGURE 2

PROPOSED METHOD OF COMMINGLING PRODUCTION
 THE ATLANTIC REFINING CO.
 LANGLEIE FEDERAL LEASES
 JUSTIS FIELD, LEA COUNTY, NEW MEXICO

LEGEND.

- S— Separator
- H/T—Emulsion Treater
- M— Oil Meter
- Q— Gas Meter
- ⊗— Manual Block Valve
- ⊘— To Be Added When Needed

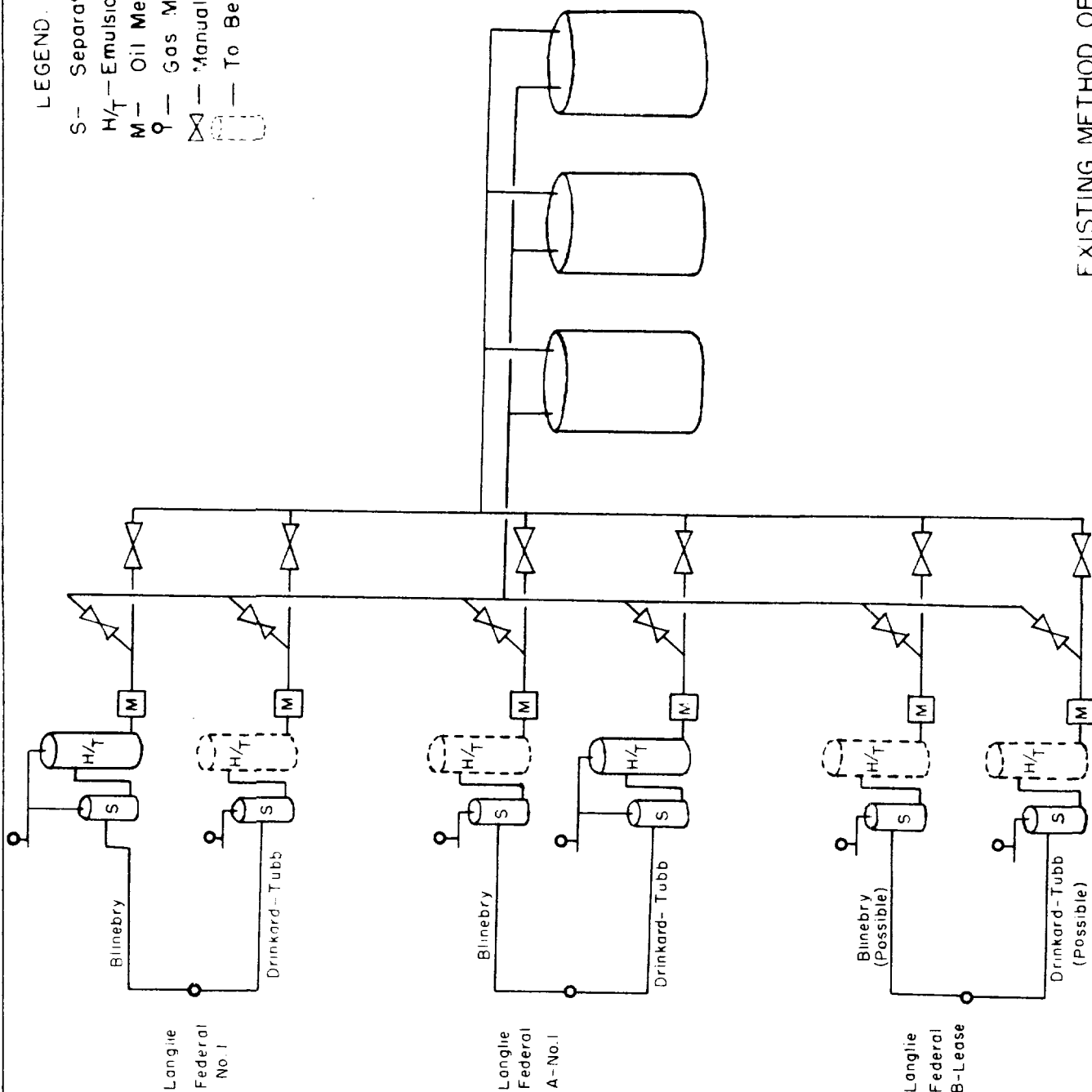


FIGURE 1

EXISTING METHOD OF COMMINGLING PRODUCTION

THE ATLANTIC REFINING CO.

LANGLIE FEDERAL LEASES

JUSTIS FIELD, LEA COUNTY, NEW MEXICO