



CABOT CORPORATION P. O. BOX 1101, PAMPA, TEXAS

OIL AND GAS
DIVISION

CABLE ADDRESS CABLAK PAMPA
TELEPHONE MOHAWK 4-2581

Approved Cabot's
11/20/62
91
November 20, 1962
01/10

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

Gentlemen:

Cabot Corporation hereby requests administrative approval of exceptions to Rules 303(a) and 309-A to permit commingling in common facilities of oil and gas produced from Cabot's John R. Thompson lease. This involves commingling of production from two or more leases and two separate common sources of supply (North Bagley Upper Penn and Wolfcamp).

The exception is requested for Cabot's John R. Thompson No. 1, a North Bagley Wolfcamp producer, and the central tank battery located on Cabot's Humble-State lease. Data on liquid values are shown below:

| | <u>Upper Penn</u> | <u>Wolfcamp</u> |
|--------------------------|-------------------|-----------------|
| API Gravity | 46° | 47° |
| Value of Crude | \$2.97/bbl | \$2.97/bbl |
| API Gravity of Composite | 46-47° | |
| Value of Composite | \$2.97/bbl | |

As shown above, value of production from the individual zones will not be lessened by commingling.

Attached is a schematic diagram of the proposed installation and a plat showing leases and wells involved. Also attached are copies of letters to all interest owners in the two leases and the oil purchasers requesting their consent to the above application.

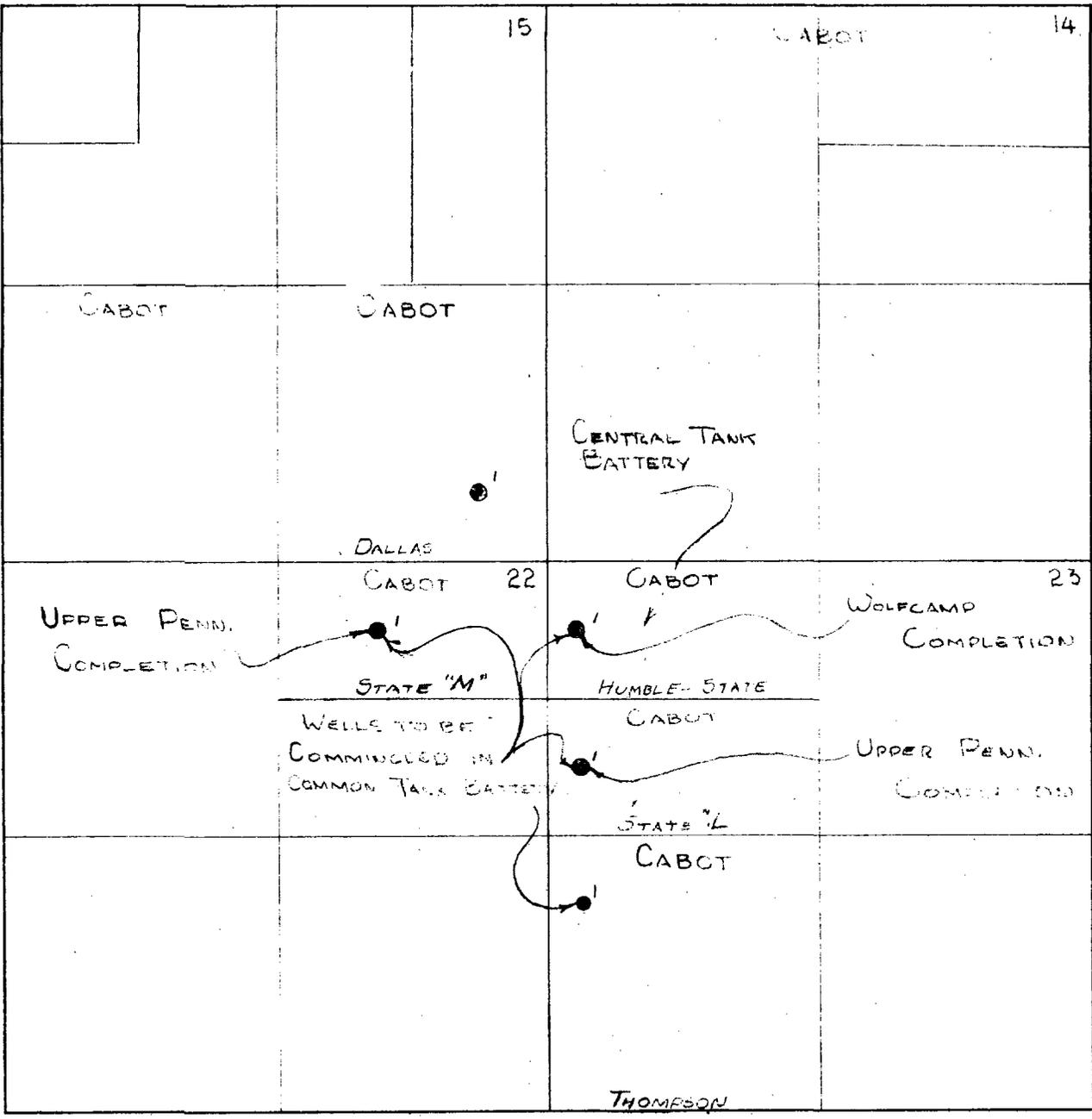
Your early approval of this application will be greatly appreciated.

Yours very truly,

W. M. Sargent Jr.
W. M. Sargent, Jr.
Petroleum Engineer

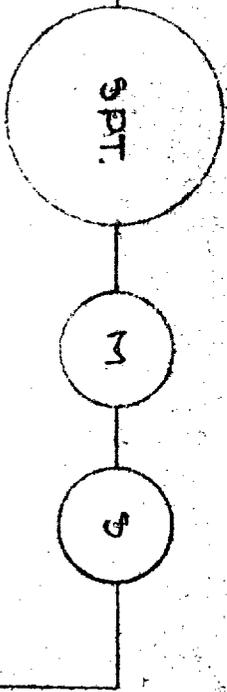
WMS:mn
Encls.

SECTION _____ TOWNSHIP 11 S RANGE 33 E COUNTY LEA STATE N. MEXICO

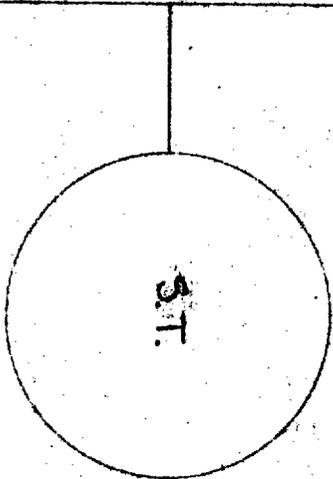
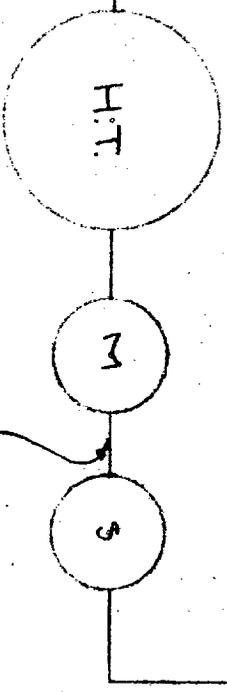


LOCATION PLAT
HUMBLE STATE & THOMPSON
LEASES

HUMBLE STATE LEASE
WOLFCAKER ZONE



THOMPSON LEASE
UPPER PENN ZONE



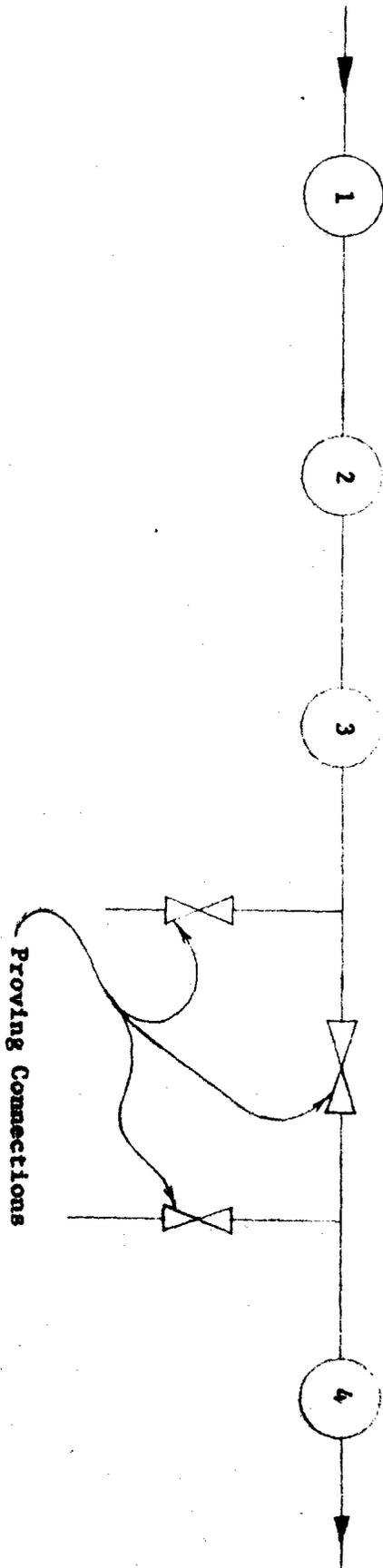
SEE SECOND DRAWINGS

PROPOSED
COMMON TANK BATTERY
HUMBLE STATE & THOMPSON LEASES
LEA COUNTY,
NEW MEXICO

CABOT CARBON COMPANY
PAMPA, TEXAS

| | | |
|---------------------|------------------|-----------------|
| DRAWN BY: D.V.G. | DATE: 9-28-62 | DRAWING NUMBER: |
| APPROVED: | SCALE: | |

1. Strainer and Gas Eliminator, A. O. Smith
2. Sampler
3. A. O. Smith Temperature Compensated P.D. Meter
4. Back Pressure Valve



CABOT CARBON COMPANY
PARKS, TEXAS

CENTRAL TANK BATTERY
LEASE METERING CONNECTION

| | | |
|--------------------|------------------|----------------|
| DRAWING BY D.P. | DATE 11-21-62 | DRAWING NUMBER |
|--------------------|------------------|----------------|

COPY
CABOT CORPORATION
BOX 1101
PAMPA, TEXAS

November 20, 1962

Indiana Oil Purchasing Company
P. O. Box 1725
Midland, Texas

Gentlemen:

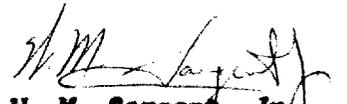
Cabot Corporation is making application to the New Mexico Oil Conservation Commission for administrative approval of exceptions to Rules 303(a) and 309-A to permit commingling of production from Cabot's John R. Thompson lease into a central tank battery located on our Humble-Stats lease. This involves commingling of production from separate leases and two common sources of supply (Wolfcamp and Upper Penn) in the North Bagley Field.

As oil purchaser from the central battery a waiver consenting to commingling in a common tank battery is required by the Commission. Attached for your convenience is a prepared waiver to be signed and sent to the New Mexico Oil Conservation Commission. Please return one copy of the waiver to this office.

Commingling will be done in accordance with the New Mexico Oil Conservation Commission's "Manual for the Installation and Operation of Commingling Facilities". Physical hookup will probably be similar to Figure 1 in the Manual.

Your cooperation in forwarding the approved waiver to the Commission as soon as possible will be greatly appreciated.

Yours very truly,


W. M. Sargent, Jr.
Petroleum Engineer

WMS:mn
Encls.

COPY
CABOT CORPORATION
BOX 1101
PAMPA, TEXAS

November 20, 1962

Satkin Corporation
1802 Electric
Fort Worth, Texas

Gentlemen:

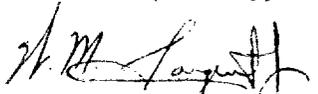
Cabot Corporation is making application to the State of New Mexico Oil Conservation Commission for administrative approval of exceptions to Rules 303(a) and 309-A to permit Cabot to commingle production for the John R. Thompson lease into a central tank battery located on their Humble-State lease.

Inasmuch as your company holds the royalty interest in the Thompson lease (SW/4 Section 23, T11S, R33E, Lea County, New Mexico), we are required to obtain a waiver consenting to the above exceptions. Attached for your convenience is a waiver prepared for signature. If there are no objections to the requested exceptions, please forward the completed waiver to the New Mexico Oil Conservation Commission, P. O. Box 871, Santa Fe, New Mexico. Please return one copy of the waiver to this office.

Commingling will be done in accordance with the Oil Conservation Commission's "Manual for the Installation and Operation of Commingling Facilities".

Your cooperation and early forwarding of the waiver will be appreciated.

Yours very truly,



W. M. Sargent, Jr.
Petroleum Engineer

WMS:mn
Encls.

COPY
CABOT CORPORATION
BOX 1101,
PAMPA, TEXAS

November 20, 1962

Skelly Oil Company
P. O. Box 993
Midland, Texas

Gentlemen:

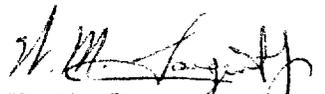
Cabot Corporation is making application to the State of New Mexico Oil Conservation Commission for administrative approval of exceptions to Rules 303(a) and 309-A to permit commingling in a central tank battery of production from Cabot's State of New Mexico "M" lease and several other leases. This involves commingling of production from two common sources of supply (Wolfcamp and Upper Penn) in the North Bagley Field.

Inasmuch as your company has an overriding royalty interest in our State of New Mexico "M" lease (N/2 NE/4 Section 22-T118-R33E, Lea County) we are required to obtain a waiver consenting to the above exceptions. Attached for your convenience is a waiver prepared for signature. If there are no objections to the requested exceptions, please forward the completed waiver to the Oil Conservation Commission with one copy returned to this office.

Commingling will be done in accordance with the Oil Conservation Commission's "Manual for the Installation and Operation of Commingling Facilities". The physical hookup will probably be similar to that shown in Figure 1 of the Manual.

Your cooperation and early forwarding of the waiver will be appreciated.

Yours very truly,


W. M. Sargent, Jr.
Petroleum Engineer

WMS:mn
Encs.

COPY
CABOT CORPORATION
BOX 1101
PAMPA, TEXAS

November 20, 1962

Sinclair Oil & Gas Company
P. O. Box 1470
Midland, Texas

Gentlemen:

Cabot Corporation is making application to the State of New Mexico Oil Conservation Commission for administrative approval of exceptions to Rules 303(a) and 309-A to permit commingling in a central tank battery of production from Cabot's State of New Mexico "N" lease and several other leases. This involves commingling of production from two common sources of supply (Wolfcamp and Upper Penn) in the North Bagley Field.

Inasmuch as your company has an overriding royalty interest in our State of New Mexico "N" lease (N/2 NE/4 Section 22-T11S-R33E, Lea County) we are required to obtain a waiver consenting to the above exceptions. Attached for your convenience is a waiver prepared for signature. If there are no objections to the requested exceptions, please forward the completed waiver to the Oil Conservation Commission with one copy returned to this office.

Commingling will be done in accordance with the Oil Conservation Commission's "Manual for the Installation and Operation of Commingling Facilities". The physical hookup will probably be similar to that shown in Figure 1 of the Manual.

Your cooperation and early forwarding of the waiver will be appreciated.

Yours very truly,


W. M. Sargent, Jr.
Petroleum Engineer

WMS:mn
Encls.

COPY
CABOT CORPORATION
BOX 1101
PAMPA, TEXAS

November 20, 1962

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Gentlemen:

Cabot Corporation is making application to the Oil Conservation Commission for approval of exceptions to Rules 303(a) and 309-A to permit commingling of production from Cabot's John R. Thompson lease (SW/4 Section 23, T11S, R33E, Lea County) into a central tank battery located on our Humble-State lease (N/2 NW/4 Section 23, T11S, R33E, Lea County). This involves commingling of production from the North Bagley Wolfcamp and Upper Penn common sources of supply.

Inasmuch as commingling of oil production from the Thompson lease into a common tank battery will involve commingling of fee royalty oil with State royalty oil, we hereby respectfully request the Land Department grant the required waiver.

Gravity of the oils to be commingled are 46^o and 47^o API, both with a value of \$2.97 per barrel. There will be no lessening of value of the oil produced and commingled.

Attached is a schematic diagram of the proposed installation and a plat showing leases and wells connected or to be connected to the central tank battery. Commingling will be done in accordance with the Oil Conservation Commission's "Manual for the Installation and Operation of Commingling Facilities".

If the Land Department has no objections to the granting of the exceptions, it is respectfully requested that you so notify the Oil Conservation Commission of your decision as soon as possible. Your early approval of this application will be appreciated.

Yours very truly,

W. M. Sargent, Jr.
Petroleum Engineer

WMS:mn
Encls.

COPY
CABOT CORPORATION
BOX 1101
PAMPA, TEXAS

November 20, 1962

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Gentlemen:

Cabot Corporation is making application to the Oil Conservation Commission for approval of exceptions to Rules 303(a) and 309-A to permit commingling of production from Cabot's State of New Mexico "M" lease into a central tank battery located on their Humble-State lease. This will involve commingling of production from the North Bagley Wolfcamp and Upper Penn common sources of supply. Both leases are on State land. The State of New Mexico "M" lease covers the N/2 NE/4 Section 22-T118-R33E, Lea County, and the Humble-State lease covers the N/2 NW/4 Section 23-T118-R33E.

Data pertaining to production to be commingled is shown below:

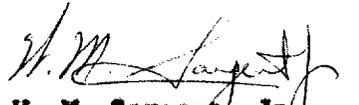
| | <u>Upper Penn</u> | <u>Wolfcamp</u> |
|--------------------------|-------------------|-----------------|
| API Gravity | 46° | 47° |
| Value of Crude | \$2.97/bbl | \$2.97/bbl |
| Daily Volume | 177 BPD | 148 BPD |
| API Gravity of Composite | 46-47° | |
| Value of Composite | \$2.97/bbl | |

As indicated above the value of production from the individual zones will not be lessened by commingling.

Attached is a schematic diagram of the proposed installation and a plat showing leases and wells connected to the central battery. Commingling will be done in accordance with the Oil Conservation Commission's "Manual for the Installation and Operation of Commingling Facilities".

If the Land Department has no objections to the granting of the exceptions, it is respectfully requested that you so notify the Oil Conservation Commission of your decision as soon as possible. Your early approval of this application will be appreciated.

Yours very truly,


W. M. Sargent, Jr.
Petroleum Engineer

WMS:mn
Encls.

WMS:mn - TIS - GMM

Re: Waiver for Cabot Corporation's
Rule 303(a) and Rule 309-A
Exception Request
State of New Mexico "M" Lease
Lea County, New Mexico

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

Gentlemen:

We hereby waive any objections and consent to the granting of an exception to Rule 309-A to Cabot Corporation permitting commingling of oil production from their State of New Mexico "M" lease, N/2 NE/4 Section 22, T11S, R33E, into a central tank battery located on their Humble-State lease, N/2 NW/4 Section 23, T11S, R33E, Lea County.

We hereby waive any objections and consent to the granting of an exception to Rule 303(a) to Cabot Corporation permitting commingling of oil produced from the North Bagley Upper Penn common source of supply and the North Bagley Wolfcamp common source of supply in a central tank battery for their State of New Mexico "M" lease, Section 22, T11S, R33E, Lea County.

Yours very truly,

Indiana Oil Purchasing Company
COMPANY

G. L. Shensker
BY

District Representative
TITLE

November 26, 1962
DATE



CABOT CORPORATION P. O. BOX 1101, PAMPA, TEXAS

CABLE ADDRESS CABLAK PAMPA
TELEPHONE MOHAWK 4-2581

01
October 8, 1962

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

Gentlemen:

Attached is waiver from Humble Oil and Refining Company concerning Cabot's application to commingle oil production from our State "L" and Humble-State leases in a common tank battery.

Very truly yours,

CABOT CORPORATION

W. M. Sargent, Jr.
Petroleum Engineer

WMS:md
Attachment

September 26, 1962

Re: Waiver for Cabot Corporation's
Rules 303(a) and 309-A Exception
Request
Humble-State and State "L" Leases
Lea County, New Mexico

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

Gentlemen:

We hereby waive any objections and consent to the granting of an exception to Rule 309-A to Cabot Corporation permitting commingling of oil production from their Humble-State lease, N/2 NW/4 Section 23, T11S, R33E, and their State "L" lease, S/2 NW/4 Section 23, T11S, R33E, Lea County, in a common tank battery.

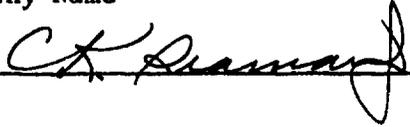
We hereby waive any objections and consent to the granting of an exception to Rule 303(a) to Cabot Corporation permitting commingling of oil produced from the North Bagley Upper Penn common source of supply and the North Bagley Wolfcamp common source of supply on their Humble-State and State "L" leases, Section 23, T11S, R33E, Lea County.

Yours very truly,

HUMBLE OIL & REFINING COMPANY

Company Name

By

ms

Operations Superintendent

Title

October 5, 1962

Date