

Figure No. 2

TEXACO Inc.  
 Schematic Commingling System  
 Two Leases with Common Ownership  
 NAVAJO "AL" LEASE  
 and  
 NAVAJO "AR" LEASE  
 Tocolto Dome-Pennsylvanian "D" Field

# TEXACO INC.

PETROLEUM PRODUCTS



P. O. Box 810  
Farmington, New Mexico  
87401

February 3, 1965

Mr. A. L. Porter, Jr.  
Secretary and Director  
New Mexico Oil Conservation Commission  
Box 871  
Santa Fe, New Mexico

Dear Sir:

TEXACO Inc. respectfully requests administrative approval for an exception to Commission Rule No. 309-A to allow commingling of crude oil and gas production from three leases. The three leases are the Navajo Tribe "AL", the Navajo Tribe "AR" and the Navajo Tribe "AU" Leases located in Sections 28, 27 and 34, Twp. 26-N, Rge. 18-W, San Juan County, New Mexico. The production from these leases is from the Tocito Dome Pennsylvanian "D" Field.

Commingling operations are presently in effect for the Navajo Tribe "AL" and "AR" Leases as per previous approval by both your office and the United States Geological Survey.

Gas and oil production will be separated at each flowing well. Oil production will then be conducted to the tank battery located 410 feet from the west line and 870 feet from the south line of Section 27. Facilities at the battery will allow low pressure separation and monthly well tests. Production will be allocated on the basis of these tests. The low pressure gas will be piped to the compressor station near Navajo Tribe "AL" No. 1. The high pressure gas separated at each well will be piped to the dehydrator at Navajo Tribe "AL" No. 1 where it will enter the gas sales line. Low pressure production from pumping wells will be piped to the battery for separation and subsequent compression of the low pressure gas as indicated above (See Figures 1 & 2).

The royalty interest of all three leases belongs to the Navajo Tribe and the approval of the Regional Oil and Gas Supervisor of the United States Geological Survey is being requested. A copy of the letter to the U. S. G. S. is attached.

Mr. A. L. Porter, Jr.

-2-

February 3, 1965

Your early consideration of this request will be appreciated.

Very truly yours,

*C P Farmer*  
C. P. Farmer  
District Superintendent

JMG-LC

Attachments

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

March 1, 1965

U  
Texaco Inc.  
P. O. Box 810  
Farmington, New Mexico

O  
Attention: Mr. C. L. Farmer

Amendment  
Administrative Order CTB-137

Gentlemen:

P  
Reference is made to your letter dated February 3, 1965, wherein you request an amendment to Administrative Order CTB-137 which order authorized the commingling of oil and gas produced from the Tocito Dome-Pennsylvanian "D" Pool on your Navajo Tribe "AR" Lease comprising Section 27 and your Navajo Tribe "AL" Lease comprising Section 28, all in Township 26 North, Range 18 West, San Juan County, New Mexico.

Y  
It is our understanding that you now wish to include in the aforesaid commingling installation Tocito Dome-Pennsylvanian "D" production from your Navajo Tribe "AU" Lease, comprising Section 34, Township 26 North, Range 18 West. It is our further understanding that each of these leases has a common working interest and that the royalty interest is also common throughout, and that you therefore propose to allocate the production to each of the leases on the basis of periodic well tests.

Administrative Order CTB-137 is hereby amended to include the aforesaid Navajo Tribe "AU" Lease in the commingling authority.

Very truly yours,

A. L. Porter, Jr.  
Secretary-Director

ALF:DSN:sg

cc: Oil Conservation Commission (with enclosure) - Aztec  
Oil & Gas Engineering Committee - Hobbs  
United States Geological Survey - Roswell

COMMISSION OF THE INTER-AMERICAN  
CONFERENCE  
SAN PABLO DE LOS RIOS

San Pablo de los Rios

San Pablo de los Rios

San Pablo de los Rios

San Pablo de los Rios

San Pablo de los Rios

San Pablo de los Rios

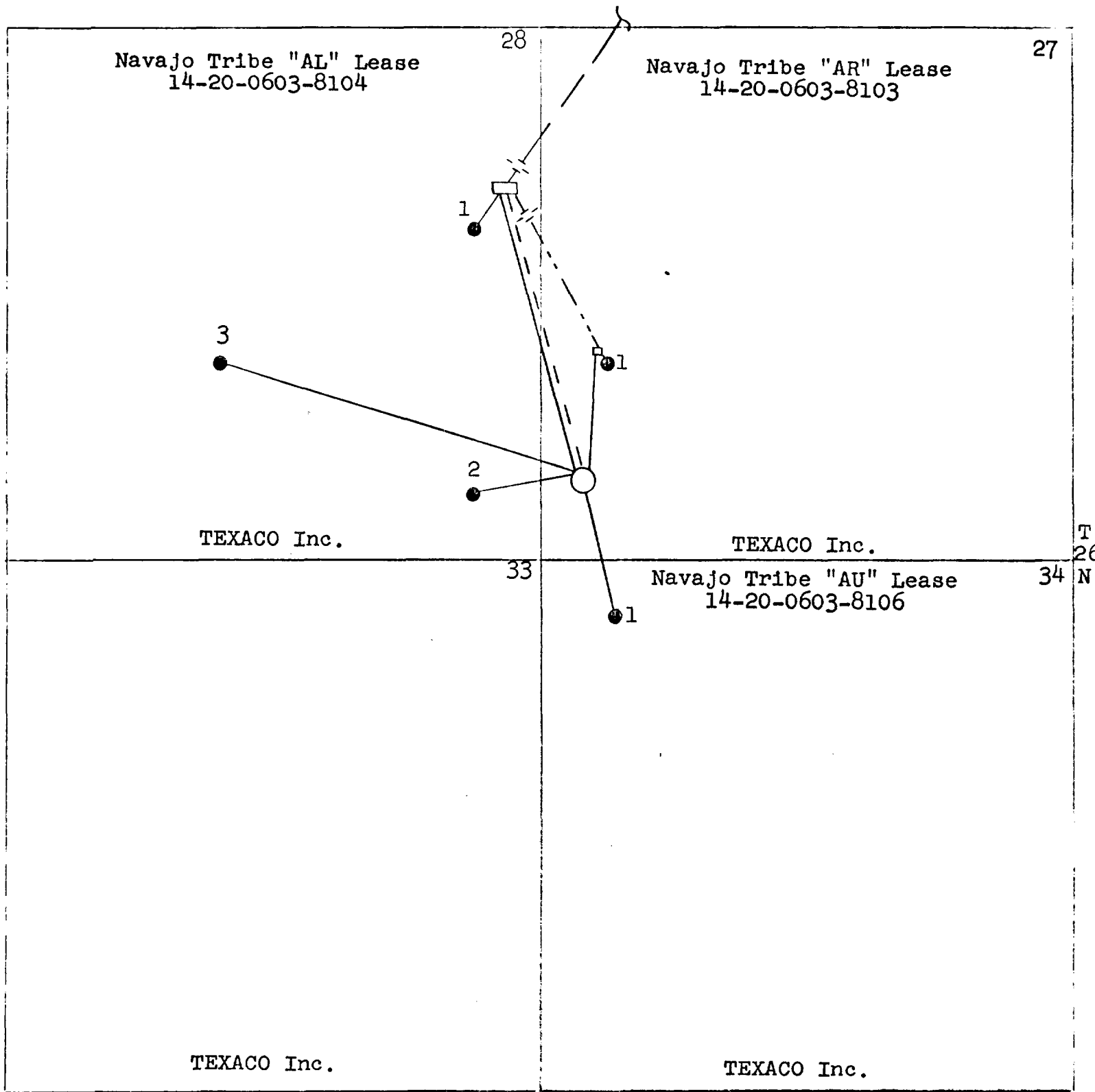
San Pablo de los Rios

San Pablo de los Rios

San Pablo de los Rios

San Pablo de los Rios

San Pablo de los Rios



LEGEND

- Oil Well
- Tank Battery
- High Press. Separator, Dehydrator & Compressor Station
- ▣ High Press. Separator
- ⊕ Gas Meter
- Production Flow Line
- - - Low Pressure Gas Line
- · - High Pressure Gas Line
- - - High Pressure Gas Sales Line

Figure 1  
Portion of Tocito Dome Penn. "D"  
Field  
San Juan County, New Mexico  
Scale: 1" = 1320'

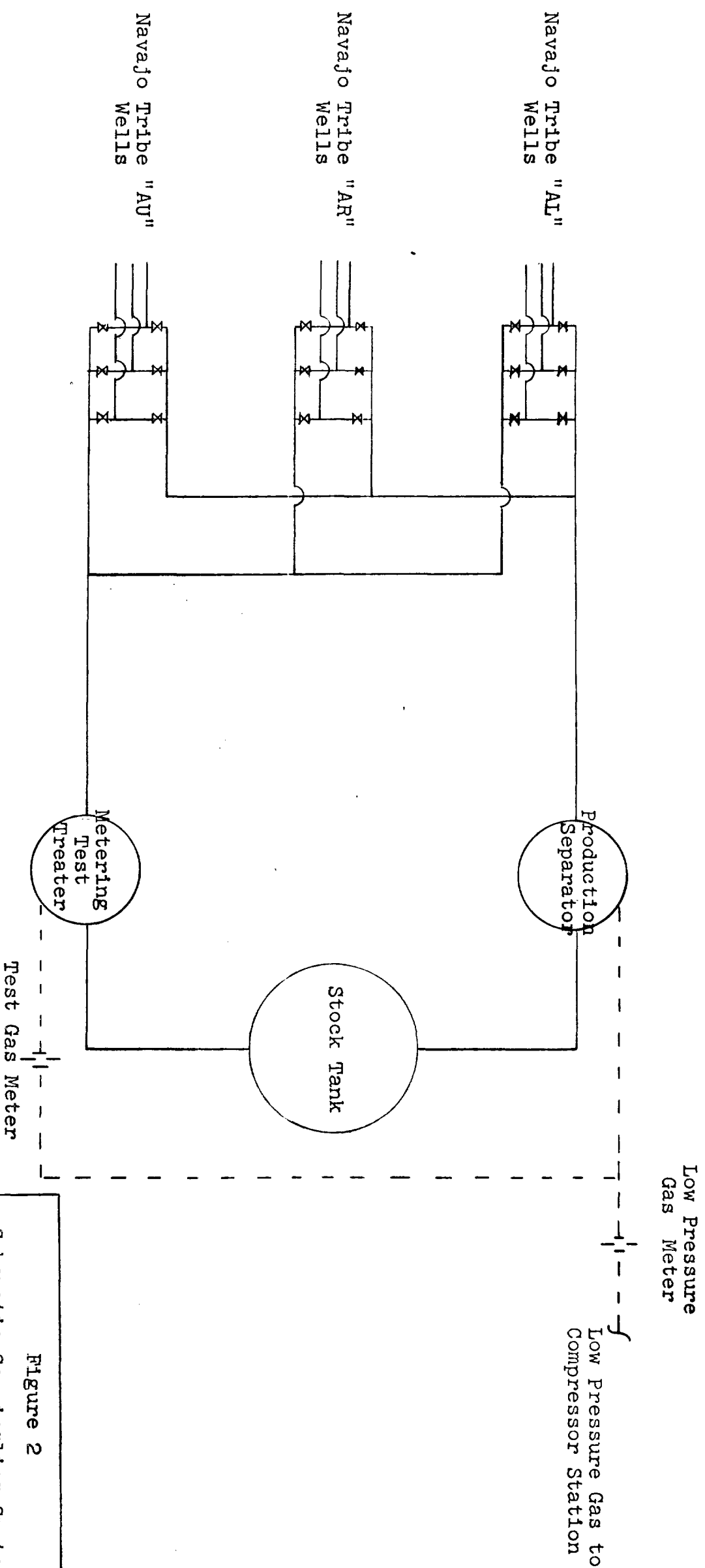


Figure 2

Schematic Commingling System  
Three Leases with Common Ownership,  
TEXACO Inc.  
Navajo Tribe "AL", "AR", & "AU"  
Leases  
Tocito Dome Penn. "D" Field

Drawer 1857  
Roswell, New Mexico 88201

February 23, 1965

Texaco Inc.  
P. O. Box 810  
Farmington, New Mexico

Attention: Mr. C. P. Farmer

Gentlemen:

Your letter of February 3, with attachments, requests approval to commingle Pennsylvanian production from Navajo tribal lease 14-20-0603-8106 with that of your approved Tocito Dome commingling system involving Navajo tribal leases 14-20-0603-8104 and -8103. You also request approval to change the commingling system by moving the low pressure production gas meter downstream to meter the total low pressure gas prior to compression.

The method you propose for the commingling and measuring of Pennsylvanian production from leases 14-20-0603-8103, -8104, and -8106 is satisfactory to this office. For royalty purposes the volume of oil delivered to the stock tanks and gas delivered to a sales line should be prorated back to the leases based upon a test split. Form 9-361, Lessee's Monthly Report of Sales and Royalty, must show all computations used in the calculation of the oil and gas volume for each lease. Any change in this system must receive prior approval from this office.

You are requested to notify our Farmington office when the installation is completed so that a field inspection of the system can be made.

Sincerely yours,

(ORIG. 502) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil & Gas Supervisor

cc:  
NMOCC - Santa Fe  
Farmington  
Roswell  
Accounts  
Files (2)



1. The first part of the document is a letter from the President of the United States to the Congress, dated January 1, 1861.

2. The second part is a report from the Secretary of the Interior, dated January 1, 1861.

3. The third part is a report from the Secretary of the Treasury, dated January 1, 1861.

4. The fourth part is a report from the Secretary of the War, dated January 1, 1861.

5. The fifth part is a report from the Secretary of the Navy, dated January 1, 1861.

6. The sixth part is a report from the Secretary of the State, dated January 1, 1861.

7. The seventh part is a report from the Secretary of the War, dated January 1, 1861.

8. The eighth part is a report from the Secretary of the Navy, dated January 1, 1861.

9. The ninth part is a report from the Secretary of the State, dated January 1, 1861.

10. The tenth part is a report from the Secretary of the War, dated January 1, 1861.

11. The eleventh part is a report from the Secretary of the Navy, dated January 1, 1861.

COPIES 4 1013-1  
P. O. Box 810  
Farmington, New Mexico  
87401

February 3, 1965

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
c/o P. T. McGrath, District Engineer  
United States Geological Survey  
Farmington, New Mexico

Dear Sir:

TEXACO Inc. respectfully requests your authority to commingle production from wells completed on the Navajo Tribe "AU" Lease (14-20-0603-8106) with wells completed on the Navajo Tribe "AL" Lease (14-20-0603-8104) and the Navajo Tribe "AR" Lease (14-20-0603-8103). The Navajo Tribe "AU" Lease consists of Section 34, T-26-N, R-18-W, San Juan County, New Mexico. The Navajo Tribe "AL" and "AR" Leases consist of the adjoining Sections 28 and 27, respectively.

Production is presently being commingled from the Navajo Tribe "AL" Lease and the Navajo Tribe "AR" Lease as per previous approval from both your office and the New Mexico Oil Conservation Commission. The royalty and working interest of the three leases are identical and production is obtained from the Toccoa Dome Pennsylvanian "D" Field.

If commingling permission is granted no additional separation equipment will be necessary with the exception of possible treating equipment which may be added to the Navajo Tribe "AL" Tank Battery at a later date. Present equipment consists of high pressure gas separators at each flowing well with gas lines laid from these separators to the dehydrator located near Navajo "AL" No. 1, where the gas enters the gas sales line (See Figure 1). Oil flow lines are laid from the separators at each well to the battery located 870 feet from the south line and 410 feet from the west line of Section 27, T-26-N, R-18-W. Following approval to commingle Navajo Tribe "AU" production a flow line will be installed from the Navajo Tribe "AU" well to the subject tank battery.

Mr. John A. Anderson

- 2 -

Page 2

The battery facilities include a production separator and metering test treater (See Figure 2) to allow low pressure separation and monthly testing in order to make production splits. The low pressure gas is and will be compressed for sale at the compressor station located near Navajo Tribe "AL" No. 1.

commingling as proposed above requires an exception to the New Mexico Oil Conservation Commission Rule No. 309-A, and TEXACO Inc. is filing application for administrative approval for this exception. If the Supervisor finds no objection to the proposed commingling it would be appreciated if Mr. A. L. Porter, Jr., Secretary and Director of the Oil Conservation Commission at Box 871, Santa Fe, New Mexico was so advised by air mail letter. Your early approval is solicited in order to prevent flaring of produced gas on TEXACO's Navajo "AU" Lease.

In accordance with Mr. Carl C. Traywick's letter of December 10, 1964 which stated any changes in the commingling system as outlined in our letter of November 30, 1964 must receive prior approval from your office; TEXACO hereby requests your approval to move the low pressure production gas meter as indicated in Figure 2-A down stream to the location shown in Figure 2 so that a total reading of low pressure gas is available. This change in meter location will in no way effect testing operations and will provide for better operation and metering of total low pressure gas prior to compression.

Very truly yours,

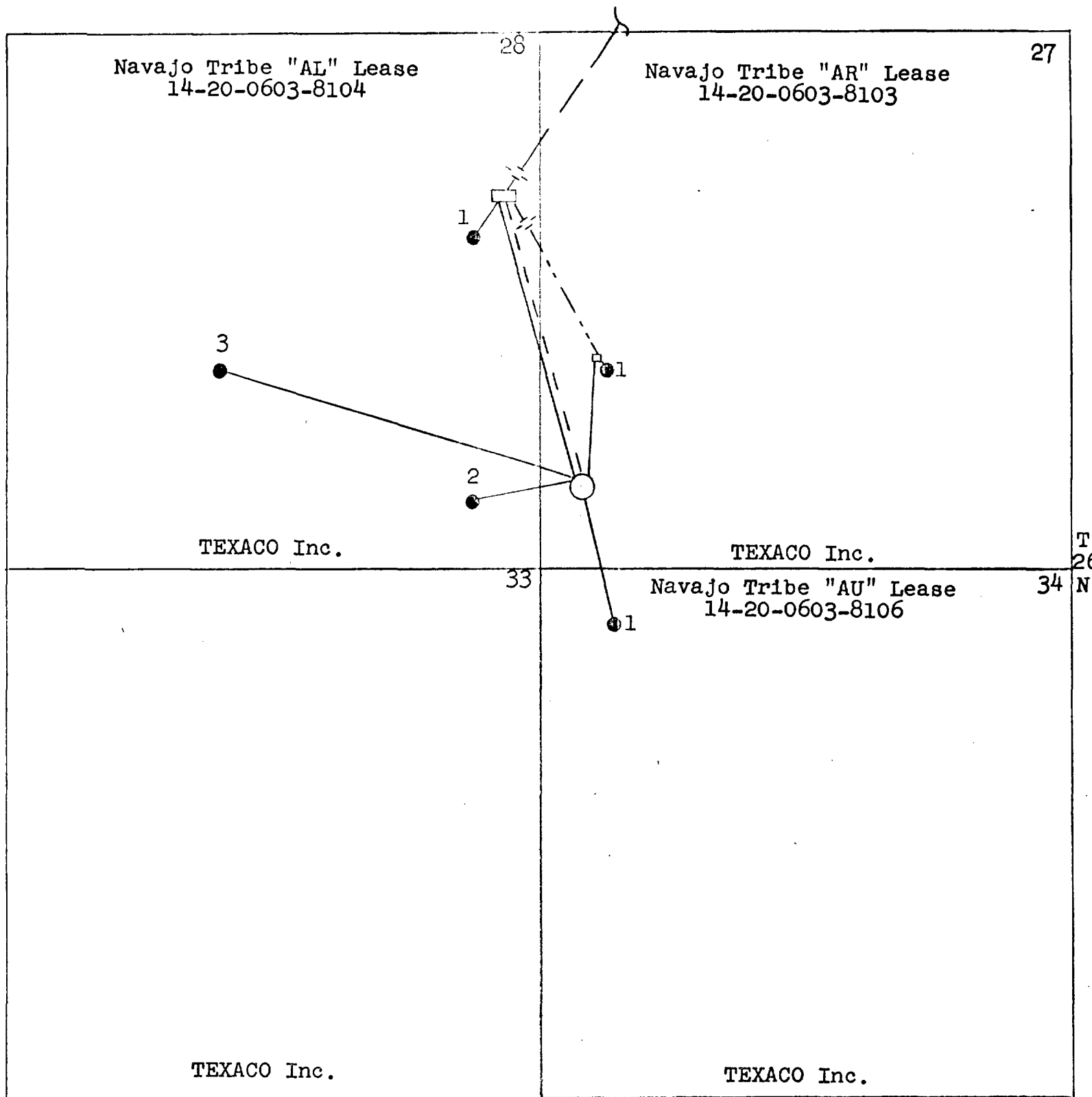
*C. P. Farmer*

C. P. Farmer  
District Superintendent

JMG-LC

Attachments

R - 18 - W



LEGEND

- Oil Well
- Tank Battery
- High Press. Separator, Dehydrator & Compressor Station
- ▣ High Press. Separator
- ⊠ Gas Meter
- Production Flow Line
- - - Low Pressure Gas Line
- · - High Pressure Gas Line
- - - High Pressure Gas Sales Line

Figure 1

Portion of Tocito Dome Penn. "D"  
Field

San Juan County, New Mexico

Scale: 1" = 1320'

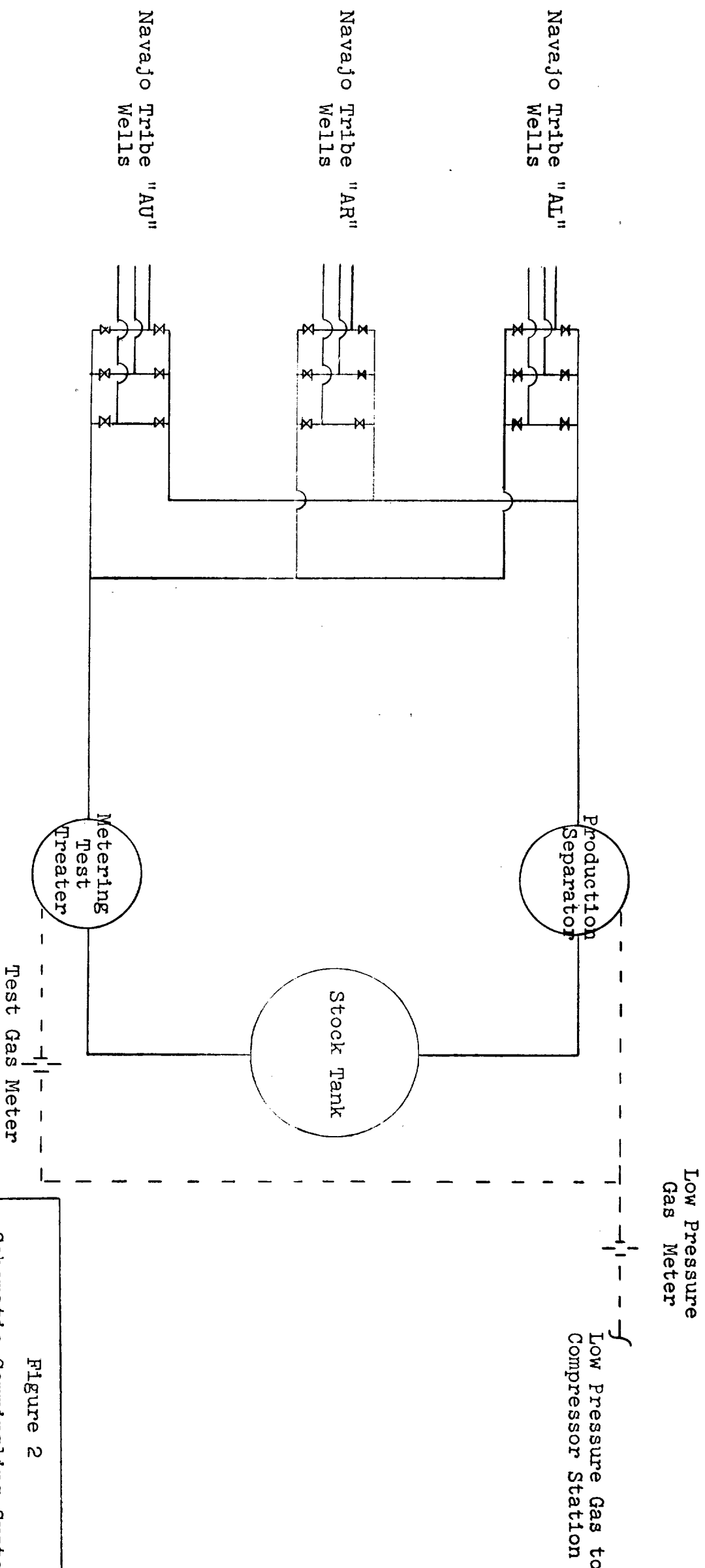
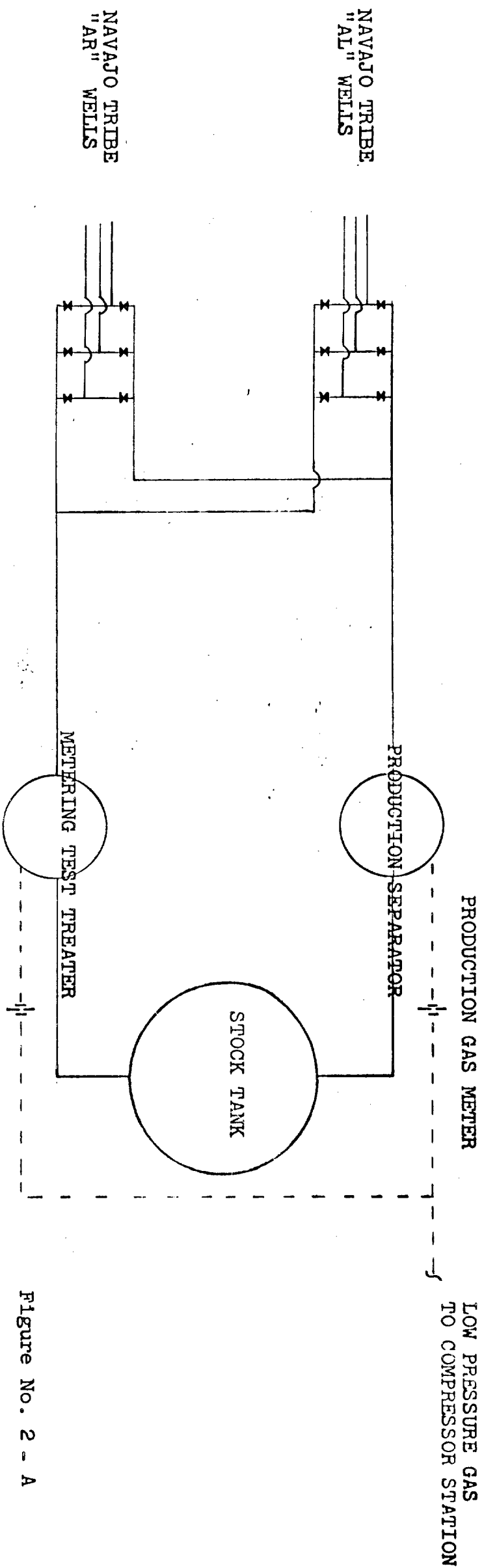


Figure 2  
Schematic Commingling System  
Three Leases with Common Ownership  
TEXACO Inc.  
Navajo Tribe "AL", "AR", & "AU"  
Leases  
Tocito Dome Penn. "D" Field



TEXACO Inc.  
Schematic Commingling System  
Two Leases with Common Ownership  
NAVAJO "AL" LEASE  
and  
NAVAJO "AR" LEASE  
Tucito Dome-Pennsylvanian "D" Field



# United States Department of the Interior

## GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

October 18, 1973

Texaco Inc.  
P.O. Box 2100  
Denver, Colorado 80201

*File  
CTB-137*

Attention: Mr. J. C. White

Gentlemen:

Your letter of October 10, 1973, with attachments, requests approval for the commingling of production from your Navajo Tribe "BP" lease (NOO-C-14-20-2727) with previously approved commingled production from the Tocito Dome-Pennsylvanian "D" pool produced from your Navajo Tribe "AL" (14-20-0603-8104) and "AR" (8103).

According to the system, as outlined in your letter, each well is manifolded to enable individual well tests to be obtained through the test treater. Low pressure gas will be compressed prior to entering a sales line. Oil sales are accomplished through the previously approved Lact system.

The method you propose for the commingling of production from the above leases is satisfactory to this office. For royalty purposes the volume of oil delivered to the stock tanks and gas delivered to a sales line should be prorated back to the leases based upon test splits. Form 9-361, Lessee's Monthly Report of Sales and Royalty, must show all computations used in the calculation of the oil and gas volumes for each lease. Any modification of this system must receive prior approval from this office.

You are requested to notify our Farmington District office when the installation is completed.

Sincerely yours,

CARL C. TRAYWICK  
Acting Area Oil & Gas Supervisor

cc:  
NMOCC, Santa Fe  
DE-Farmington  
NOO-C-14-20-2727  
Accounts  
Sims

JFSims:ds







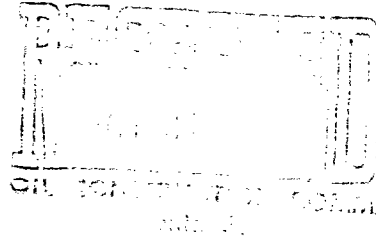
PETROLEUM PRODUCTS

*file CTB 137*

PRODUCING DEPARTMENT  
ROCKY MOUNTAINS-U. S.  
DENVER DIVISION  
J. C. WHITE  
ASSISTANT DIVISION MANAGER

TEXACO INC.  
P. O. BOX 2100  
DENVER, COLORADO 80201

October 10, 1973



REQUEST TO COMMINGLE  
PRODUCTION -- TOCITO DOME  
PENNSYLVANIAN "D" POOL,  
SAN JUAN COUNTY, NEW MEXICO  
6.02-1

Mr. A. L. Porter, Jr. (3)  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

*This is  
Pipeline's  
Consent  
Jen*

Dear Mr. Porter:

Texaco Inc. requests administrative approval, in accordance with Rule No. 309-B, for an exception to Rule No. 309-A, to permit commingling of oil and gas production from the Navajo Tribe "BP" lease with the previously approved commingled production from the Navajo Tribe "AR" and Navajo Tribe "AL" leases, all producing from a common source of supply, the Tocito Dome-Pennsylvanian "D" Pool, San Juan County, New Mexico.

Figure 1 is a plat showing the above leases, the wells thereon, and the location of the commingling facilities. The Commission's Administrative Order CTB-137, dated December 31, 1964, approved commingling oil and gas production from the Navajo Tribe "AR" and Navajo Tribe "AL" leases, consisting of Secs. 27 and 28, respectively, T26N, R18W. The U.S.G.S. letter of December 10, 1964, also approved Texaco's proposed commingling of production from these two leases. The Navajo Tribe "BP" lease consists of Sections 26 and 35, T26N, R18W. All of the leases proposed for commingling have a common Navajo Tribe royalty and are owned in toto by Texaco Inc., with no overriding royalties.

Figure 2 is a schematic diagram showing the commingling system. Oil production from the "BP" lease will go to the present "AR"- "AL" tank battery located 410 feet from the west line and 870 feet from the south line of Section 27. Facilities at the battery provide for low pressure separation of oil and gas and