

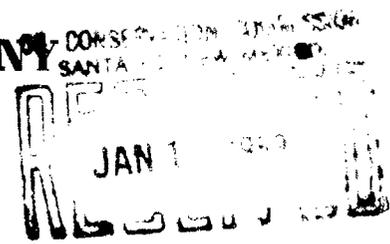
# PHILLIPS PETROLEUM COMPANY

BARTLESVILLE, OKLAHOMA

316½ Dewey Avenue  
January 14, 1953

LAND AND GEOLOGICAL DEPARTMENT

C. O. STARK, VICE PRESIDENT  
D. E. LOUNSBERY, CHIEF GEOLOGIST  
D. C. HEMSELL, MGR. LAND DIVISION  
W. B. WEEKS, MGR. GEOLOGICAL SECTION  
A. J. HINTZE, MGR. EXPLORATION SECTION



Re: San Juan Unit 32-7  
San Juan County,  
New Mexico  
Unit No. 14-08-001-441

The Oil Conservation Commission  
of the State of New Mexico  
Santa Fe, New Mexico

Gentlemen:

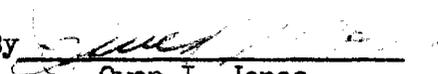
The above numbered Federal unit was approved by the Acting Director, Geological Survey on December 16, 1952, and we are enclosing for your files a fully executed copy of the Unit Agreement and also a fully executed copy of the Unit Operating Agreement.

We sincerely appreciate your cooperation in connection with obtaining approval of this and other units by the State of New Mexico.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

By

  
Owen I. Jones

OIJ:ndb

Registered - RR  
encl.

cc: G. E. Benskin

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

**SANTA FE, NEW MEXICO**

**October 28, 1952**

**Judge E. H. Foster  
Phillips Petroleum Company  
Box 1751  
Amarillo, Texas**

**Dear Sir:**

**For your company's records we enclose two signed copies each of orders recently issued by this Commission in your San Juan Basin unit agreement cases heard on October 15, 1952. These are:**

<b>Case 417</b>	<b>-</b>	<b>Order R-202</b>
<b>Case 418</b>		<b>Order R-203</b>
<b>Case 419</b>		<b>Order R-204</b>
<b>Case 420</b>		<b>Order R-205</b>

**Very truly yours,**

**W. B. Macey  
Chief Engineer**

**WBM:nr**

C  
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P  
Y

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

January 20, 1953

C  
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Phillips Petroleum Company  
316  $\frac{1}{2}$  Dewey Avenue  
Bartlesville, Oklahoma

Attention: Owen I. Jones - Land and Geological Department

Gentlemen:

This will acknowledge receipt on January 19, 1953, of one fully executed copy of the Unit Operating Agreement of the San Juan 32-7 Unit, San Juan County, New Mexico, Number 14-08-001-441 and also one fully executed copy of the Unit Operating Agreement.

Very truly yours,

R. R. Spurrier  
Secretary - Director

lh  
cc: Unit file

UNIT OPERATING AGREEMENT  
SAN JUAN 32 - 7 UNIT AREA

THIS AGREEMENT, made and entered into this 2<sup>nd</sup> day of September, 1952, by and among Phillips Petroleum Company, a Delaware corporation, hereinafter sometimes referred to as "Unit Operator", and such other parties owning working interests subject to the Unit Agreement for the Development and Operation of the San Juan 32-7 Unit Area as may execute this agreement, hereinafter sometimes called "Nonoperators", all parties being sometimes referred to as "Working Interest Owners",

W I T N E S S E T H:

WHEREAS, the parties hereto are also parties to that certain Unit Agreement for the Development and Operation of the San Juan 32-7 Unit Area, County of San Juan, State of New Mexico, hereinafter called the "Unit Agreement", embracing the following described land:

New Mexico Principal Meridian:

Township 32 North, Range 7 West

Fractional Section 9: Lot 4, W/2 SW/4  
Fractional Sections 7 & 8: All  
Sections 17, 18, 19, 20, 21, 22, 27, 28, 29, 30,  
31, 32, 33, 34, 35, 36: All  
Section 16: W/2  
Section 23: SW/4  
Section 25: S/2  
Section 26: W/2, SE/4

Township 32 North, Range 6 West

Section 31: Lots 2, 3, 4, SE/4 NW/4, E/2 SW/4, S/2 SE/4

Township 31 North, Range 7 West

Fractional Sections 2, 3, 4, 5, 6: All  
Sections 7, 8, 17, 18: All  
Section 9: N/2  
Section 10: N/2  
Tracts 53, 54, 55

San Juan County, New Mexico, containing 17,828.51 acres, more or less, and

WHEREAS, the parties hereto, in accord with the provisions of Section 7 of the Unit Agreement, desire to provide for the apportionment of costs and benefits among Working Interest Owners and to establish related operating arrangements,

NOW THEREFORE, premises considered, the parties hereto mutually agree that:

1. Confirmation of Unit Agreement

The Unit Agreement, including the exhibits thereto, is hereby confirmed and adopted and made a part of this agreement. Terms employed in this agreement shall

bear the same meaning as given them in the Unit Agreement. The unit area shall be developed and operated for the production and handling of unitized substances in accord with the Unit Agreement and this Unit Operating Agreement. In the event of any inconsistency or conflict between provisions of this agreement and the Unit Agreement, the Unit Agreement shall prevail.

## 2. Titles

### (a) Representation of Ownership

Each of the parties hereto represents to all other parties hereto that its ownership of oil, gas and mineral interests in the unit area is correctly stated in the schedule attached as Exhibit B to the Unit Agreement. In the event such representation of any party is erroneous or the title of any party hereto fails, in whole or in part, the interests of the parties hereunder shall be accordingly adjusted to the end that no party shall be credited with interests that it does not own. Parties contributing acreage to the unit and receiving credit hereunder therefor shall, subject to the provisions of Section 2 (c) below, bear the entire loss occasioned by any failure of title or defect in their title or encumbrance thereon and shall save the other parties hereto harmless from any obligation or liability on account thereof. All title curative expense and all costs and expenses incurred in defending or establishing title to any interest in the unitized substances shall be borne by the party or parties hereto who claim such interest.

### (b) Furnishing Title Data

Within fifteen (15) days following its execution of this agreement, each Working Interest Owner shall furnish to the Unit Operator copies of its leases, operating agreements or other documents upon which it relies as establishing its ownership of working interests, together with copies of its rental receipts or other evidence satisfactory to establish that such leases, agreements and/or other documents remain in full force and effect. It shall also furnish any title data in its possession relating to its working interest ownership, including the title opinion of its attorney and any curative instruments acquired in relation thereto. Where outstanding title requirements have not been satisfied, the Working Interest Owner whose title is affected shall proceed to satisfy such title requirements with due diligence and furnish proof of the satisfaction thereof to the Unit Operator.

### (c) Examination of Title for Drilling

As a prerequisite to the drilling of any well hereunder, Unit

Operator shall obtain a title opinion by a competent attorney or attorneys selected by it, based upon examination of complete abstract of title certified to date and/or the official County and/or State or Federal records as well as examination of the material submitted pursuant to Section 2 (b) above, approving title for drilling purposes to the half section drilling block (where the well is to be drilled to the Mesaverde or shallower formations) or to the appropriate spacing unit (where the well is to be drilled to formations below the Mesaverde) upon which the well is to be located; provided, however, that Unit Operator shall not be required to re-examine title to any drilling block or spacing unit for the drilling of any second or subsequent well thereon. The party or parties owning working interests in such drilling block or spacing unit shall furnish such abstracts promptly as required and shall satisfy title requirements made by the examining attorney, at such party's or parties' sole expense, without delay in order that the drilling obligation stated in the Unit Agreement shall be timely performed. Costs of title examination shall be charged as a part of the cost of drilling the well. Approving opinion of title as a prerequisite of drilling may be waived upon approval of the owners of eighty per cent (80%) of the Working Interest committed to the unit. Any party hereto interested in obtaining the drilling of a well may post a bond in form satisfactory to the Unit Operator in an amount equal to one and one-half times the estimated cost of the proposed well, conditioned to protect all parties hereto against any loss of their investment in the well by reason of title failure, whereupon the requirement herein for an approving opinion of title will be waived. If title subsequently fails to any tract or tracts, the title to which has been cleared for drilling under this section, the Working Interest Owner thereof shall bear the entire loss in participation in unitized substances produced after such title failure which would be attributable to the leasehold estate or working interest in such tract under the terms of this agreement, but shall not be obligated to save any parties hereto harmless from any other loss occasioned thereby except to the extent of any indemnity agreement which may have been executed as hereinabove provided.

### 3. Apportionment of Costs and Benefits

Except as herein otherwise expressly provided, all costs, expenses and liabilities accruing or resulting from exploration, development, operation and maintenance of the unitized land shall be borne, and all unitized substances produced hereunder and other benefits accruing hereunder shall be owned and shared, by the

Working Interest Owners who have executed the Unit Agreement and this agreement, as follows:

(a) Costs and Benefits in Mesaverde and Shallower Formations

Costs and benefits accruing in the development and operation of any drilling block (as defined in Section 11 of the Unit Agreement) prior to its admission into a participating area shall be borne and shared in the proportion that the acreage owned by each of such Working Interest Owners owning working interests in the drilling block bears to the total of working interests owned by all such Working Interest Owners owning working interests in the drilling block. Costs and benefits accruing or resulting from development and operation of any participating area shall be borne by such Working Interest Owners owning interests in such participating area in the same proportion that the interest owned by each bears to the total of interests owned by all such Working Interest Owners in said participating area. Except for the adjustment in investment in the field facilities as hereinafter provided, no adjustment of investment or previously incurred costs shall be made upon the admission of a drilling block into the participating area, but upon such admission all equipment used for the operations of the participating area shall thenceforth be owned by the Working Interest Owners in the enlarged participating area in the same proportions as provided herein for their sharing of costs and benefits. Notwithstanding the foregoing, however, when any drilling block is admitted to the participating area prior to the completion thereon of a well capable of producing unitized substances in paying quantities from the formation to which such participating area is applicable, Unit Operator shall comply with the obligation imposed by the Unit Agreement to drill a well thereon to the horizon from which production is being secured in the participating area, and all costs of drilling, completing, testing and equipping such well to produce shall be charged to and borne by such Working Interest Owners owning working interests in such drilling block in the proportions which the interests of each bear to the aggregate of all the interests of all such Working Interest Owners within said drilling block. Any such well shall be owned and operated for the benefit of parties owning interests in the participating area in the same manner as other wells in such participating area. Upon admission of a drilling block into a participating area, there shall be an adjustment of the cost of field facilities among all such Working Interest Owners in the enlarged participating area so that the cost of field facilities allocable to the enlarged participating area shall be borne by such Working Interest Owners in proportion to their participation in costs and benefits of operation of the enlarged participating area.

Where field facilities serve more than one participating area, costs and ownership thereof shall be allocated between participating areas on a well basis and shall be adjusted upon drilling of additional wells so that each participating area will bear such costs and own such field facilities in the proportion that the number of wells within such participating area, which upon their completion shall have been capable of producing unitized substances in paying quantities, bears to the total number of such wells within the unit area. No adjustment between participating areas shall be made on account of the cessation of production in paying quantities from any well or wells. "Field facilities", as that term is used in this section, shall mean facilities which are installed for serving the entire unit operation, such as, but not limited to, warehouses, field offices, camps, gathering systems, field tankage other than that serving a particular well or drilling block, power stations and power lines, water stations and water lines. Costs of field facilities shall be deemed to be the tangible and intangible costs thereof as reflected by the Operator's books, depreciated at the rate of four per cent (4%) per annum, or fractional portion thereof, up to the period an adjustment is required. In the event book costs cannot be determined on certain classifications of equipment, the current market prices in effect as of the date a drilling block is admitted to the participating area shall be used as a basis for pricing. Roads shall not be considered a part of Field Facilities. Costs of all road construction required for the drilling of the three test wells in accord with Section 9 of the Unit Agreement shall be allocated to the working interest owners owning working interest in the three Drilling Blocks upon which said test wells are drilled on an acreage basis. Roads required for the drilling of subsequent wells shall be charged as a part of the drilling costs and borne by the same party or parties as are required to pay the costs of drilling such wells. There will be no reallocation of road costs. In the event any well or wells capable of producing unitized substances in paying quantities shall have been completed prior to the effective date of this agreement, such well or wells shall be turned over to the Unit Operator for operation hereunder on the first day of the month following the said effective date of this agreement, and the half section drilling block on which each such well is located shall constitute or become a part of the participating area for the formation in which such well is completed. Likewise, if any Working Interest Owner shall have started any well but it shall not have been completed on the effective date of this agreement, such Working Interest Owner shall proceed with

due diligence to complete the drilling of such well and, if dry, to plug and abandon it or, if a producer, to test, complete and equip it to produce and then turn it over to the Unit Operator for operation hereunder. Adjustment for any such well or wells shall be only as hereinabove provided.

(b) Costs and Benefits in Formations Below the Mesaverde

The cost of drilling, equipping and completing the initial test well projected to a depth below the base of Mesaverde formation and the cost of plugging and abandoning same if a dry hole shall be paid by all of such Working Interest Owners each in the proportion that its ownership of working interests on an acreage basis within the unit area bears to the total of all such interests of such parties. Costs of drilling the second or any subsequent test well to formations lying below the Mesaverde, which is not required to be drilled by the terms of the Unit Agreement, shall be only in accord with an agreement to be reached by the parties participating in the drilling of such second or additional test wells. In the event any such test well so drilled shall encounter unitized substances in paying quantities so as to justify the establishment of a participating area or the enlargement of an existing participating area for the formation encountered, such participating area or enlargement shall be formed as provided in the Unit Agreement. On the establishment of any participating area, there shall be a retroactive adjustment of the cost of drilling, completing and equipping for production and operating of the said test well and of the cost of field facilities, to the end that the owners of working interests in the participating area newly established shall reimburse without interest the party or parties who paid for the costs and expenses of drilling, completing and equipping for production and operating the well less any income derived by said party or parties up to the date of settlement, and thereafter the costs incurred and benefits derived from the operation of the well shall be borne by and shall inure to the benefit of the Working Interest Owners in the participating area in proportion to their ownership of interests therein. On the enlargement of any participating area, there shall be an investment adjustment between the owners of working interests in the enlarged participating area, to the end that the investment within the enlarged participating area, including the investment in the allocated portion of field facilities, shall be paid for by the affected Working Interest Owners in the enlarged participating area in proportion to the interests of each therein and in proportion to their shares in the costs of operation and revenue to

be derived from the enlarged participating area, and also to the end that the parties who have previously paid said costs shall be reimbursed on the basis hereinafter set forth. The affected Working Interest Owners in the participating area before its enlargement shall receive credit for the intangible cost of drilling, completing and equipping for production all wells capable of producing unitized substances situated within said participating area. The costs to be so credited shall be measured by the average cost of drilling, completing and equipping for production wells of like character and depth in the field in a good and workmanlike manner at the time when said wells were drilled. Credit shall also be given for the casing and other tangible properties and facilities installed in the wells or used in connection with the operation thereof at a percentage of the original cost, such percentage to be determined as provided in the Accounting Procedure. The affected Working Interest Owners on any tract outside of the participating area that is to be admitted to the enlarged participating area shall likewise receive credit for the intangible cost of drilling, completing and equipping any wells on their respective lands so admitted, together with the value of the tangible equipment, facilities and structures located thereon and used in connection therewith, on the basis above set out. The sum total of all credit shall be the investment cost apportionable to the enlarged participating area. The investment adjustment shall be made by cash settlement among the Working Interest Owners through the Unit Operator. No credit shall be given for the previous cost of operating any wells or repairing or maintaining other property, nor shall there be any debit for or on account of production taken from wells prior to the effective date of the enlargement of the participating area.

#### 4. Royalty and Other Payments Out of Production

One-eighth (1/8) of all of the unitized substances produced hereunder, or the proceeds thereof, shall be set aside for the payment or delivery in kind, as the case may be, in accord with underlying leases and other documents requiring payment of royalties, by the Unit Operator or the Working Interest Owner in accord with Section 12 of the Unit Agreement. Where any working interest is burdened by royalties in excess of one-eighth (1/8) or by overriding royalties, oil payments or other payments out of production, the required payment in excess of 1/8 shall be borne by the owner of the working interest so burdened. Before receiving its proportionate share of the unitized substances produced hereunder or the proceeds thereof, each Working Interest Owner shall pay or secure the payment of any such excess royalties or other payments constituting a burden upon its working interest.

5. Rentals

Each Working Interest Owner whose interest is chargeable with rentals, minimum royalties in excess of the royalties on actual production, or other payments in the nature of rentals required to maintain its working interest rights, shall properly pay such rentals, minimum royalties or other payments. The inadvertent failure of any party to properly make such payments shall not subject such party to liabilities hereunder except to the extent hereinabove provided in the event of loss of title.

6. Test Wells

Unit Operator is hereby authorized and directed to carry out the drilling program outlined in Section 9 of the Unit Agreement. Subject to obtaining the necessary approval of State and Federal authorities as therein required, it is agreed that locations for the three (3) required test wells shall be as follows:

App. Cen. NE/4 Sec. 18, T32N, R7W  
App. Cen. SW/4 Sec. 27, T32N, R7W  
App. Cen. SW/4 Sec. 8, T31N, R7W

Said wells shall be drilled in such sequence as may be determined by the Unit Operator.

7. Determinations by Majority Vote

In any matter in which the action of the Unit Operator requires the concurrence of the working interest parties hereto or any of them, Unit Operator will be governed by the decision of the owners of a majority of the working interest in the participating area, or the nonadmitted drilling block, as the case may be, unless otherwise specified herein or in the Unit Agreement, determined in the proportion that the acreage interest of each such party in the participating area or such affected drilling block bears to the total acreage interest in the participating area or affected drilling block. Matters affecting the unit area as a whole, shall be determined in accordance with the proportionate acreage interest as above defined in the entire unit area. In any case where one working interest party hereto holds such a majority in interest, but less than the full working interest in the area affected, his vote shall require the concurrence of one additional party in order to constitute the controlling vote.

In any case in which it is necessary to poll the working interest parties hereto, Unit Operator shall notify all affected Working Interest Owners in writing of the question for decision and its recommended course of action. Each such Working Interest Owner shall within ten (10) days of receipt of such notice advise Unit Operator in writing of its decision thereon. Within five (5) days thereafter Unit Operator

shall notify each affected Working Interest Owner in writing of the result of such poll. In the event that any Working Interest Owner fails to advise Unit Operator in writing of its decision, within the 10-day period above provided, it shall be conclusively presumed that its decision is in accord with the course of action originally recommended by Unit Operator, except that, if the matter for decision is one where the nonresponding Working Interest Owner might elect, pursuant to the provisions of this agreement, not to participate originally in some element of cost or expense but instead to pay his share thereof out of production or the proceeds thereof, it shall be conclusively presumed that such nonresponding Working Interest Owner elects to follow that latter course.

The Unit Operator, except when otherwise required by governmental authority, shall not do any of the following without first obtaining the approval of such a majority interest, as provided above, in the affected participating area or drilling block or unit area, as the case may be:

(a) Make any expenditure in excess of Five Thousand Dollars (\$5,000.00) other than normal operating expenses, except in connection with a well, the drilling of which has been previously authorized by or pursuant to this agreement; provided, however, that nothing in this paragraph shall be deemed to prevent Unit Operator from making an expenditure in excess of said amount if such expenditure becomes necessary because of a sudden emergency which may otherwise cause loss of life or extensive damage to property. In the event of such emergency expenditure, Unit Operator shall, within fifteen (15) days after making such expenditure, give written notice to the other parties.

(b) Make any arrangement for the use of facilities owned by the Working Interest Owners in the operation and development outside the unit area or determine the amount of any charges therefor unless otherwise provided for in this agreement or in the Unit Agreement.

(c) Dispose of any major items of surplus material or equipment having original cost of One Thousand Dollars (\$1,000.00) or more, other than junk. Any such item or items of less cost may be disposed of without such consent.

(d) Submit to the Supervisor, Commissioner or Commission any plan for further development of the unit area or any proposed expansion of the unit area.

(e) Abandon any well which is producing unitized substances. Unit Operator shall not incur any costs or expenses for any single project costing in excess of Five Hundred Thousand Dollars (\$500,000.00) without first obtaining the approval of the owners of eighty per cent (80%) of the working interests committed to the unit.

8. Drilling of Additional Wells

(a) Obligation Wells and Wells Mutually Agreed Upon

In addition to the required test wells, all other wells which Unit Operator is required to drill under the terms of the Unit Agreement or to comply with valid orders of governmental authorities having jurisdiction in the premises shall be drilled by Unit Operator for the account of the Working Interest Owners owning interests in the affected unit area, participating area or drilling block, as the case may be, as hereinabove provided. Unit Operator will also drill appropriate development wells within participating areas in accord with plans of development adopted by a majority vote of affected Working Interest Owners in accord with Section 7 above. Unit Operator will drill wells to the Mesaverde or any shallower formations at regular well locations outside of the applicable participating area upon request of the Working Interest Owner or owners owning one hundred per cent (100%) of the working interest within the drilling block upon which the well is to be located. Such wells shall be drilled in order of their request and approval by applicable governmental authorities.

(b) Other Wells

Unit Operator will not drill any well without the mutual consent of all the parties hereto other than as provided in Subsection (a) of this Section 8, except as hereinafter provided. Any Working Interest Owner owning a part of the working interests in a drilling block desiring that a well be drilled thereon to the Mesaverde or any shallower formation outside of the participating area established hereunder for such formation, or any Working Interest Owner owning working interests in acreage constituting a spacing unit for wells drilled to any formation below the Mesaverde desiring that a well be drilled thereon to such deeper formation, shall so notify Unit Operator, specifying the proposed location, objective depth and estimated cost of such well. Upon receipt of such notice, the Unit Operator shall advise those other Working Interest Owners parties hereto who, under the provisions of this agreement, would be required to share the cost and risk of the proposed well. Each such party shall, by responsive notice given to the Unit Operator within thirty (30) days of receipt of the aforesaid notice, elect as to whether such party desires to join in the drilling of such well. Failure to respond within said thirty (30) days shall be deemed an election not to join in the drilling of the proposed well. If all of said parties elect to join, the well shall be drilled for the account of all such parties in accord with the preceding provisions of this agreement. If less than all

of such parties elect to join in the drilling of such well, Unit Operator shall, upon obtaining required governmental approvals, proceed with due diligence to drill such well at the sole cost and risk of the party or parties electing to share in the costs thereof, hereinafter called the "drilling parties". In the event any such well is a dry hole (and is not taken over for plug back or deepening), it shall be plugged and abandoned at the sole cost of the drilling parties. In the event such well is a producer, it shall be tested, completed and equipped to produce by the Unit Operator at the sole cost of the drilling parties, and such drilling parties each in proportion to its contribution to the cost of drilling, testing, completing and equipping the well shall be entitled to receive the proceeds of production from the well or, if it is capable of producing in paying quantities, shall be entitled to receive the proceeds of production allocable to the interests admitted to the participating area on account of such well, after deducting therefrom all royalties, overriding royalties, production payments and one hundred per cent (100%) of the operating expenses attributable thereto, until said drilling parties shall have received therefrom one hundred fifty per cent (150%) of the costs of drilling, testing, completing and equipping said well to produce. For the purposes of this section, where a party takes in kind the proceeds of production from such a well shall be computed upon the same price basis as that employed for payment of royalties to the United States on comparable production from the unit area. When the drilling parties shall have been reimbursed for one hundred fifty per cent (150%) of said costs as hereinabove provided, proceeds from the well shall thereafter be shared by the Working Interest Owners within the participating area in the manner stipulated in Section 3 above. Any amounts which may be realized from sale or disposition of the well or equipment thereon, or required in connection with the drilling, testing, completing, equipping and operating thereof, shall be paid to the drilling parties and credited against the total unreturned portion of said one hundred fifty per cent (150%), with the balance thereof, if any, to be divided as provided in Section 3 above among the parties owning the well. Locations of all wells drilled under this provision must be in accord with the spacing pattern adopted by the Unit Operator for the formation to which the well is projected.

9. Option to Take Over Wells

If any well drilled under this agreement is a dry hole and the party or parties owning the well are ready to abandon it but the well can be plugged back or deepened to a different formation, Unit Operator shall so notify the Working Interest

Owners in the affected unit area, participating area or drilling block, as the case may be, and such parties shall have the right to take over said well and cause the Unit Operator to plug back or deepen it, as the case may be, and to complete it for the account of the parties owning working interests in the unit area, participating area or drilling block, as the case may be, upon effecting an investment adjustment so as to reimburse the party or parties who shall have borne the cost of drilling said well for either their cost of drilling to the depth at which the well is taken over (computed in accordance with the Accounting Procedure attached hereto) or for the average cost of drilling from the surface to the formation in which the well is to be completed, whichever is the lesser amount. Working Interest Owners so notified hereunder shall respond as provided in Section 7. If one, but less than all, of the affected working interest parties elects to take the well over, then Unit Operator shall take it over and conduct the specified operation for the account of the electing party or parties, and such party or parties shall be entitled to recover one hundred fifty per cent (150%) of their costs in acquiring, deepening or plugging back, testing and completing the well in the same manner as provided in Section 8 (b) above; provided, however, that where fifty per cent (50%) of the affected Working Interest Owners elect to take the well over for use in satisfying the obligation to drill a test well hereunder, the well shall be drilled for the account of all of the affected Working Interest Owners. In the event any one well is completed as a paying producer in more than one formation, the Working Interest Owners of the respective participating areas established for such formations shall arrange for appropriate allocation of investment and operating costs of such well by separate agreement.

10. Charges for Drilling Operations

All wells drilled on the unit area shall be drilled on a competitive contract basis at the usual rates prevailing in the field. Unit Operator, if it so desires, may employ its own tools and equipment in the drilling of wells, but in such event the charge therefor shall not exceed the prevailing rate in the field and such work shall be performed by Unit Operator under the same terms and conditions as shall be customary and usual in the field in contracts of independent contractors who are doing work of a similar nature.

11. Access to Operations and Information

Representatives of each party hereto shall have free access to the entire unit area at all reasonable times to inspect and observe operations of every kind

and character thereon. Each party hereto shall have access at all reasonable times to any and all information pertaining to wells drilled, production secured, and to the books, records and vouchers relating to the operation of the unit area. Unit Operator shall, upon request, furnish to the other parties hereto daily drilling reports, true and complete copies of well logs and other data relating to wells drilled, and shall also, upon request, make available samples and cuttings from any and all wells drilled on the unit area.

12. Disposition of Production

Each of the parties hereto shall take in kind or separately dispose of its proportionate share of the unitized substances produced hereunder, exclusive of production which may be used in development and producing operations of the unit area and in preparing and treating oil for marketing purposes, and production unavoidably lost. In the event any party hereto shall fail to make the arrangements necessary to take in kind or separately dispose of its proportionate share of the unitized substances, Unit Operator shall have the right for the time being and subject to revocation at will by the party owning same to purchase such unitized substances or to sell the same to others at not less than the market price prevailing in the area. Each party hereto shall be entitled to receive directly payment for its proportionate share of the proceeds from the sale of unitized substances produced, saved and sold from the unit area, and on all purchases or sales each party shall execute any division order or contract of sale pertaining to its interest. Any extra expenditure incurred by reason of the taking in kind or separate disposition by any party hereto of its proportionate share of the production shall be borne by such party.

13. Pipe and Other Tubular Goods

Notwithstanding any limitations of the Accounting Procedure, Exhibit A, during such times as tubular goods and other equipment are not available at the nearest customary supply point Unit Operator shall be permitted to charge the joint account of parties responsible hereunder for all tubular goods and other equipment

transferred from Unit Operator's warehouse or other stocks to the unit area for use on a particular participating area or drilling block, as the case may be, with such costs and expenses as may have been incurred in purchasing, shopping, and moving the required tubular goods and other equipment to the unit area; provided, however, that each affected Working Interest Owner shall be given the opportunity, in lieu of bearing its proportionate part of such costs, of furnishing in kind or in tonnage, as the parties may agree, its share of such tubular goods and other equipment required.

#### 14. Advances

Each of the parties hereto shall promptly pay and discharge its proportionate part of all cost and expense on the basis set forth in the Accounting Procedure attached as Exhibit A. Unit Operator, at its election, may require the parties hereto to advance their respective proportion of development and operating costs according to the following conditions: On or before the first day of each calendar month, Unit Operator shall submit an itemized estimate of such costs for the succeeding calendar month to each of the parties hereto with a request for the payment of such party's proportionate part thereof. Within ten (10) days thereafter each of such parties shall pay, or secure the payment in a manner satisfactory to Unit Operator, such party's proportionate share of such estimate. Unit Operator shall credit each Working Interest Owner with the advances so made. Should any party fail to pay or secure the payment of such party's proportionate part of such estimate, the same shall bear interest at the rate of six per cent (6%) per annum until paid. Adjustments between estimates and actual costs shall be made by Unit Operator at the close of each calendar month and the accounts of the parties adjusted accordingly.

#### 15. Operator's Lien

Unit Operator shall have a lien on the interest of each of the parties in the unit area, unitized substances produced therefrom, the proceeds thereof and the material and equipment thereon, to secure the payment of such party's proportionate part of the cost and expense of developing and operating the unitized lands and to secure the payment by any such party of such party's proportionate part of any advance estimate of such cost and expense. Unit Operator shall protect such property from all other liens arising from operations hereunder.

#### 16. Insurance

Unit Operator, during the term hereof, shall purchase or provide protection comparable to that afforded under standard form policies of insurance for workmen's

compensation with statutory limits, employer's liability insurance with a limit of \$25,000.00, and general public liability insurance with limits of \$30,000/\$60,000. Unit Operator shall charge to the joint account an amount equal to the premium applicable to the protection so provided. All losses not covered by standard form policies of insurance for hazards set out above shall be borne by the parties hereto as their interests appear at the time of any loss.

17. Surrender

No party hereto shall surrender any of its working interests insofar as they relate to lands located within a participating area. However, should any party hereto at any time desire to surrender any of the oil and gas leases or operating agreements subject hereto, or any interest therein, insofar as they cover lands located outside such a participating area but within the unit area, it shall notify all other parties hereto in writing. Within thirty (30) days following receipt of such notice by the other parties hereto, the party desiring to surrender such working interests insofar as they affect such land may proceed to surrender the same if such right is reserved in the leases or operating agreement, unless any other party or parties hereto have, within said thirty (30) day period, given written notice to the party desiring to surrender that they desire an assignment of said working interests insofar as they cover said land. In such event the party desiring to surrender shall assign, without express or implied warranty of title, and subject to existing covenants, contracts and reservations, all its interest in such working interests insofar as they cover such land and the wells, material and equipment located thereon, to the party or parties desiring an assignment. Thereupon such assigning party shall be relieved from all obligations thereafter accruing (but not theretofore accrued) hereunder with respect to the interest assigned. From and after the making of such assignment, the assigning party shall have no further interest in the property assigned but shall be entitled to receive from the assignees payment for its interest therein in an amount equal to the salvage value of any salvable material located on said land. If such assignment shall run in favor of more than one party hereto, the interest covered shall be shared by such parties in the proportions that the interest of each party assignee in the lands committed to the Unit Agreement bears to the total interest of all parties assignee in lands committed to the Unit Agreement.

18. Taxes

Unit Operator shall, for the joint account, render for ad valorem tax purposes the entire working interests in the unit area of all parties hereto and

all personal property used in connection with operations hereunder, or such part thereof as may at any time be subject to taxation. Unit Operator shall also pay all such ad valorem taxes, at the time and in the manner required by law, which may be assessed upon or against all or any portion of such working interests and personal property. Each party shall pay its proportionate part of the total taxes so paid and expenses incurred in connection with the rendering and payment thereof in accord with Accounting Procedure, Exhibit A. Nothing herein shall relieve any Working Interest Owner of the consequence of any loss of title occasioned by failure of the landowner to pay ad valorem taxes levied against the land to which its working interest relates.

19. Employees

The number of employees, the selection of such employees, the hours of labor and the compensation for services to be paid any and all such employees shall be determined by the Unit Operator. Such employees shall be the employees of Unit Operator.

20. Liabilities

The liability of the parties hereunder shall be several and not joint or collective. Each party shall be responsible only for its obligations as herein set out and shall be liable only for its proportionate share of the cost of developing and operating the unit area as determined by the provisions hereof.

21. Force Majeure

This agreement and the respective rights and obligations of the parties hereunder shall be subject to all valid and applicable State and Federal laws, rules, regulations and orders, and in the event this agreement, or any provision thereof, is or the operations contemplated thereby are found to be inconsistent with or contrary to any such law, rule, regulation or order, the latter shall be deemed to control and this agreement shall be regarded as modified accordingly and as so modified shall continue in full force and effect. Unit Operator shall not be liable for any loss of property or of time caused by strikes, riots, fires, tornadoes, floods, inability to obtain tubular goods or other required materials or services, or for any other cause beyond the reasonable control of Unit Operator in the exercise of due diligence.

22. Notices

All notices that are required or authorized to be given hereunder shall be given in writing by United States mail or Western Union telegram, postage or

charges prepaid, and addressed to the party to whom such notice is to be given at the address indicated for such party opposite its signature hereto. The originating notice to be given under any provision hereof shall be deemed given only when received by the party to whom such notice is directed, and the time for such party to give any response thereto shall run from the date the originating notice is received. The second or any subsequent responsive notice shall be deemed given when deposited in the United States post office or with the Western Union Telegraph Company with postage or charges prepaid.

23. Fair Employment Practices

Unit Operator shall not discriminate against any employee or applicant for employment because of race, creed, color or national origin, and an identical provision shall be incorporated in all subcontracts.

24. Unleased Interests

Should the owner of any unleased interest in lands lying within the unit area become a party to the Unit Agreement and this agreement, such unleased interest shall be treated, for all purposes of this agreement, as if there were an oil and gas lease covering such unleased interest on a form providing for the usual and customary one-eighth (1/8) royalty and containing the usual and customary "lesser interest clause". This agreement shall in no way affect the right of the owner of any such unleased interest to receive an amount or share of unitized substances equivalent to the royalty which would be payable or due under the terms of the Unit Agreement if such unleased interest were subject to such an oil and gas lease.

25. Effective Date and Term

This Unit Operating Agreement shall become effective as of the effective date of the Unit Agreement and shall remain in full force and effect during the life of such Unit Agreement. The terms hereof shall be considered as covenants running with the ownership of working interests committed hereto and shall be binding upon the heirs, personal representatives, successors and assigns of the parties hereto.

26. Execution by Counterparts

This agreement may be executed in counterparts with the same force and effect as if all parties executing any counterpart hereof had executed one original document. It shall be binding upon all parties executing any counterpart hereof whether or not signed by all parties listed below as owning working interests. Any party owning working interests within the unit area may execute this agreement at

any time prior to its effective date. Any such Working Interest Owner desiring to join subsequent to the effective date hereof shall be permitted to join only in accord with such terms and conditions as may then be agreeable to the Unit Operator.

EXECUTED as of the day and year first above written.

Attest:

[Signature]  
Assistant Secretary

Phillips Building  
Bartlesville, Oklahoma

PHILLIPS PETROLEUM COMPANY

By [Signature]  
Vice President

UNIT OPERATOR AND WORKING INTEREST OWNER

Attest:

[Signature]  
Assistant Secretary

Bassett Tower  
El Paso, Texas

EL PASO NATURAL GAS COMPANY

By [Signature]  
Vice President

Attest:

[Signature]  
Assistant Secretary

Fair Building  
Fort Worth, Texas

STANOLIND OIL AND GAS COMPANY

By [Signature]  
Vice President

Attest:

[Signature]  
Assistant Secretary

Beacon Building  
Tulsa, Oklahoma

AMERADA PETROLEUM CORPORATION

By [Signature]  
Executive Vice President

Attest:

[Signature]  
Assistant Secretary

Tower Petroleum Building  
Dallas, Texas

THREE STATES NATURAL GAS COMPANY

By [Signature]  
Vice President

Witness:

[Signature]  
Address: 812 General Petroleum Bldg.  
612 So. Flower  
Los Angeles 17, California

[Signature]  
Mortimer A. Kline

[Signature]  
Katherine P. Kline

EXHIBIT "B" SAN JUAN 32-7 UNIT, SAN JUAN COUNTY, NEW MEXICO

Tract Number	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	Working Interest and Percentage
1	T 32N - R 7W Sec. 22: All	640.00	Santa Fe 078459 5/1/48 Expiration 12-11-54	U.S.A. 12 1/2% All	Phillips Petroleum Company	Ora R. Hall & Matilda V. Hall Sunshine Royalty Company Total 4.5% 5.0%	Phillips Petroleum Company All
2	T 32N - R 7W Sec. 7: Lots 4, 5, 6, SE 1/4 SW 1/4 Sec. 8: SE 1/4 SE 1/4 Sec. 17: All Sec. 18: W 1/2 Sec. 19: W 1/2, W 1/2 SE 1/4, SW 1/4 NE 1/4 Sec. 20: N 1/2, W 1/2 SE 1/4, E 1/2 SW 1/4, NW 1/4 SW 1/4 Sec. 21: SE 1/4, E 1/2 NE 1/4 Sec. 29: N 1/2 NE 1/4	2,402.30	Santa Fe 078460 5/1/48 5 Yrs.	U.S.A. 12 1/2% All	Phillips Petroleum Company	Charlie W. Parcell and Gertrude L. Parcell Era M. Milligan Sunshine Royalty Company Total 2.50% 5.0%	Phillips Petroleum Company All
3	T 32N - R 7W Sec. 23: SW 1/4 Sec. 26: N 1/2 NW 1/4 Sec. 27: N 1/2 Sec. 28: N 1/2 Sec. 29: S 1/2 NE 1/4, SE 1/4 NE 1/4, NE 1/4 NW 1/4, SE 1/4 SW 1/4	1,200.00	Santa Fe 078472 5/1/48 5 Yrs.	U.S.A. 12 1/2% All	Phillips Petroleum Company	Charles H. Wright & Helen F. Wright Faye M. Glaze Charlie W. Parcell Guy R. Campbell Ernest H. Peterson & Juanita V. Peterson Total .5% 5.0%	Phillips Petroleum Company All
4	T 32N - R 7W Sec. 26: SE 1/4 NW 1/4	40.00	Santa Fe 078483 7/1/48 5 Yrs.	U.S.A. 12 1/2% All	Phillips Petroleum Company	Sunshine Royalty Company 5.0%	Phillips Petroleum Company All
5	T 32N - R 7W Sec. 28: S 1/4 Sec. 34: N 1/4 Sec. 35: S 1/4	960.00	Santa Fe 078542 5/1/48 5 Yrs.	U.S.A. 12 1/2% All	Tevie F. Morrow & A. H. Meadows	A. Caylor and Lorene Caylor, his wife T. H. McElvain & Catherine B. McElvain C. K. Lowe Ralph Lowe W. H. Black Total .675% 5.0%	Tevie F. Morrow & A. H. Meadows All

Tract No.

Description

Number of Acres

Number, Date and Term of Lease

Basic Royalty and Percentage

Lessee of Record

ORRI and Percentage

Page 2 Working Interest and Percentage

6 T 32N - R 7W 960.00 Santa Fe U.S.A. All Phillips Petroleum Company 2.0% Ralph McCormick  
 Sec. 27: S 1/4 078543 12 1/2% All J. V. Fritts & Ruth C. Fritts  
 Sec. 33: N 1/4 5/1/48 .5 Guy R. Campbell  
 Sec. 35: N 1/4 5 Yrs. 1.0 Ernest Peterson  
 Total 5.0%

7 T 32N - R 7W 80.00 Santa Fe U.S.A. All H.H. Phillips\*  
 Sec. 21: W 1/2 NW 1/4 078699 12 1/2% All

8 T 32N - R 7W 1,387.92 Santa Fe U.S.A. All Phillips Petroleum Company .0383% Alma Mae Beamon  
 Sec. 30: All 078992 12 1/2% All C. S. Page, Jr.  
 Sec. 31: Lots 1, 2, 3, 4, 4/1/48 Gladys Watford  
 E 1/2 W 1/2, W 1/2 E 1/2, NE 1/4 NE 1/4 5 Yrs. .0767 R. E. Beamon  
 .0325 Jack Neveleff  
 .0325 Albert E. Fagan  
 .0150 R. E. Beamon, III  
 .0650 E. F. Kalb  
 1.0000 Wilson Petroleum Company  
 1.0000 C. S. Preston  
 1.0000 Guy R. Campbell  
 Total 5.0000%

Sec. 33: SW 1/4, W 1/2 SE 1/4  
 Alma Mae Beamon .0383%  
 C. S. Page, Jr. 1.0000  
 Gladys Watford .7400  
 R. E. Beamon .0767  
 Jack Neveleff .0325  
 Albert E. Fagan .0325  
 R. E. Beamon, III .0150  
 E. F. Kalb .0650  
 Wilson Petroleum Company 1.0000  
 Ernest H. Peterson .5000  
 Guy R. Campbell 1.5000  
 Total 5.0000%

Tract Number	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	Working Interest and Percentage
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9	T 31N - R 7W	160.00	Santa Fe	U.S.A. 12 1/2%	Phillips Petroleum Company	C. S. Page, Jr. Gladys Watford	1.0000%
	Sec. 10: NE 1/4		078993 8/1/48 5 Yrs.	All			Phillips Petroleum Company

10	T 31N - R 7W	2,537.37	Santa Fe	U.S.A. 12 1/2%	Phillips Petroleum Company	Alma Mae Beamon	.0383%	
	Sec. 6:		078996	All		Grace L. Hatheway	.5000	
	12, 13, 14, 15, NW 1/4 SE 1/4, S 1/2 SE 1/4, NE 1/4 SW 1/4		4/1/48		Wilson Petroleum Company	1.0000	Phillips Petroleum Company	All
	Sec. 7:		5 Yrs.		C. S. Page, Jr.	1.0000		
	NE 1/4, NW 1/4 SE 1/4, SE 1/4 SE 1/4				Albert E. Fagan	.0325		
					R. E. Beamon, III	.0150		
					E. F. Kalb	.0650		
					Jack Neveleff	.0325		
					R. E. Beamon	.0767		
					Gladys Watford	.7400		
					C. S. Preston	1.0000		
					Guy R. Campbell	*4.5000		

10	Sec. 4:	Lots 5, 6, 7, 8, S 1/2	As above *	Total	5.0000%		
			Juanita V. Peterson	5.0000			

10	Sec. 3:	Lots 5, 6, 7, 8, NW 1/4 SW 1/4	As above *	Total	4.5000%		
			Marian Isern	.5000			

10	Sec. 5:	Lots 5, 6, 7, 8, S 1/2	As above *	Total	5.0000%		

10	Sec. 8:	ALL	As above *	Total	4.5000%		
			A. L. Whitting	.5000			

10	Total			5.0000%			
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Tract Number	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage		
11	T 31N - R 7W	1,718.91	Santa Fe 078998 4/1/48 5 Yrs.	U.S.A. 12 1/2% A11	Phillips Petroleum Company	Alma Mae Beamon Grace L. Hatheway Wilson Petroleum Company C. S. Page, Jr. Gladys Watford R. E. Beamon Jack Neveleff Albert E. Fagan R. E. Beamon, III E. F. Kalb Marian Isern	.0383%	Phillips
	Sec. 9: N 1/2						.5000	Petroleum
	Sec. 17: A11						1.0000	Company
	T 32N - R 7W						1.0000	A11
	Sec. 33: E 1/2 SE 1/4					.7400		
						.0767		
						.0325		
						.0150		
						.0650		
						*.5000		
						*4.0000%		
						1.0000		
						5.0000%		
						Total		
						Guy R. Campbell & Mary D. Campbell		
						Total		
						As above *		
						C. S. Preston		
						Total		
						4.0000%		
						1.0000		
						5.0000%		
						Total		
						As above *		
						Greg Ireton		
						Total		
						4.0000%		
						1.0000		
						5.0000%		
						Total		
						Sunshine Royalty Company		
						Total		
						5.0000%		
						Phillips Petroleum Company		
						A11		
12	T 32N - R 7W	40.00	Santa Fe 081323 7/1/49 5 Yrs.	U.S.A. 12 1/2% A11	Phillips Petroleum Company			
	Sec. 26: SW 1/4 NW 1/4							
						Total		
						2.0000%		
						Phillips Petroleum Company		
						A11		
13	T 32N - R 7W	320.00	New Mexico 03374 5/1/48 5 Yrs.	U.S.A. 12 1/2% A11	Phillips Petroleum Company			
	Sec. 26: S 1/2							
						Total		
						2.0000%		
						Phillips Petroleum Company		
						A11		
						3.0000		
						5.0000%		
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Tract No.	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	Working Interest and Percentage
15	T 32N - R 7W Sec. 9: SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	New Mexico 05/40 7/1/51 5 Yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Phillips Petroleum Company	Ernest A. Hanson Lucy M. English Total	Phillips Petroleum Company All
Federal Acreage - 15 Tracts, 12,806.50 acres or 71.83% of Unit Area							
16	T 32N - R 7W Sec. 16: W $\frac{1}{2}$ W $\frac{1}{2}$	160.00	E-178-4 2/13/45 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	N.B.Gerber & B. R. Gerber	None	N. B. Gerber & B. R. Gerber All
17	T 32N - R 7W Sec. 16: E $\frac{1}{2}$ W $\frac{1}{2}$	160.00	E-503-3 8/21/45 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Three States Natural Gas Company	Katherine Moore Clammer & W. H. Swearingen	Three States Natural Gas Company All
17a	T 32N - R 7W Sec. 32: E $\frac{1}{2}$ , E $\frac{1}{2}$ W $\frac{1}{2}$ Sec. 36: All	1,120.00	E-503-5 8/21/45 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Phillips Petroleum Company	Katherine Moore Clamer & W. H. Swearingen Three States Natural Gas Company Total	Phillips Petroleum Company All
18	T 31N - R 7W Sec. 2: SW $\frac{1}{4}$	160.00	E-3150-1 12/10/49 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	E1 Paso Natural Gas Company	John Burroughs	E1 Paso Natural Gas Company All
19	T 31N - R 7W Sec. 2: Lots 5,6,7,8	70.48	E-5464-1 8/10/51 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Phillips Petroleum Company	None	Phillips Petroleum Company All
20	T 31N - R 7W Sec. 2: W $\frac{1}{2}$ SE $\frac{1}{4}$ , SE $\frac{1}{4}$ SE $\frac{1}{4}$	120.00	B-11125-44 3/21/44 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Phillips Petroleum Company	R. S. Magruder & Helen Magruder	Phillips Petroleum Company All
20a	T 31N - R 7W Sec. 2: NE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	B-11125-46 3/21/44 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Phillips Petroleum Company	None	Phillips Petroleum Company All

State Acreage - 7 tracts, 1,830.48 acres or 10.27% of Unit Area

Tract Number	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	
21	T 32N - R 7W Sec. 7: Lots 1, 2, 3, SE $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8: Lots 1, 2, 3, N $\frac{1}{2}$ SE $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9: Lot 4, NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21: W $\frac{1}{2}$ NE $\frac{1}{4}$ , E $\frac{1}{2}$ NW $\frac{1}{4}$ ; EXCEPT HOWEVER, the following described tract of land in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of said Section 18, and in the E $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 7, to-wit: Beginning at the Southwest corner of said Section 18; thence North 1700 feet to a point; thence Northeastly, North about 25° East, 1283 feet (or equal to a right angle of 879 feet) to a point; thence South to the South line of said NE $\frac{1}{4}$ NE $\frac{1}{4}$ of said Section 18; thence West 879 feet, more or less, to the place of beginning.	732.00	3/28/51 10 Yrs. 9/16/52 10 Yrs.	Paul B. Martin & Kate F. Martin, R. M. Martin & Ina C. Martin 4.1667% Joseph B. Hersch & Evelyn E. Hersch & Marguerite H. Wiley 4.1667% Clay Anderson & Chloe J. Anderson 4.1666% Total 12.5000%	Phillips Petroleum Company. None Phillips Petroleum Company	None	Phillips Petroleum Company A11
22	T 32N - R 7W Sec. 18: W $\frac{1}{2}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$ , E $\frac{1}{2}$ E $\frac{1}{2}$ Sec. 19: NW $\frac{1}{4}$ NE $\frac{1}{4}$ , E $\frac{1}{2}$ E $\frac{1}{2}$ Sec. 20: SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29: W $\frac{1}{2}$ W $\frac{1}{2}$ , SE $\frac{1}{4}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ , and	805.00	4/20/50 5 Yrs.	R. M. Martin & Ina C. Martin 6.25% Paul B. Martin & Kate F. Martin 6.25% Total 12.50%	Phillips Petroleum Company Phillips Petroleum Company John W. Watson Total 3.00%	Brookhaven Oil Company Dacresa Corporation John W. Watson Total 3.00%	Phillips Petroleum Company A11
23	T 32N - R 7W Sec. 20: E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 21: SW $\frac{1}{4}$	240.00	10/18/51 10 Yrs.	Mona C. Coury & I. J. Coury 12 $\frac{1}{2}$ % All	Phillips Petroleum Company	None	Phillips Petroleum Company A11
24	T 32N - R 7W Sec. 31: SE $\frac{1}{4}$ NE $\frac{1}{4}$ , E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 32: W $\frac{1}{2}$ W $\frac{1}{2}$	280.00	3/29/51 10 Yrs.	Paul B. Martin & R. M. Martin 12 $\frac{1}{2}$ % All	Phillips Petroleum Company	None	Phillips Petroleum Company A11
25	T 32N - R 7W Sec. 8: Lot 4, W $\frac{1}{2}$ SW $\frac{1}{4}$	99.41	6/16/51 10 Yrs.	Charley McCoy & Elva McCoy 12 $\frac{1}{2}$ % All	Phillips Petroleum Company	None	Phillips Petroleum Company A11

Tract Number	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	Working Interest and Percentage
26	T 31N - R 7W Sec. 3: E $\frac{1}{4}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ SE $\frac{1}{4}$	160.00	7/1/49 5 Yrs.	Mizel Brothers, a co- partnership M. E. Grimp Marian Yager Saul A. Yager Total 3.125% 3.125 3.125 <u>3.125</u> 12.500%	Stanolind Oil & Gas Company	None	Stanolind Oil and Gas Company All
27	T 31N - R 7W Tract 53	40.00	1/15/48 5 Yrs.	Paul B. Martin & Kate F. Martin R. M. Martin & Ina C. Martin Total 6.25% <u>6.25</u> 12.50%	Stanolind Oil & Gas Company	None	Stanolind Oil and Gas Company All
28	T 31N - R 7W Sec. 10: NW $\frac{1}{4}$	160.00	9/1/48 5 Yrs.	Mizel Brothers, a co- partnership M. E. Grimp Marian Yager Saul A. Yager Total 3.125% 3.125 3.125 <u>3.125</u> 12.500%	Stanolind Oil & Gas Company	None	Stanolind Oil and Gas Company All
29	T 31N - R 7W Tract 54	160.00	1/15/48 5 Yrs. 10/1/52 5 Yrs. 10/1/52 5 Yrs.	Paul B. Martin & Kate F. Martin R. M. Martin & Ina C. Martin Mrs. H. B. Sammons C. C. Culpepper & Ethelwyn Culpepper Total 3.125% <u>3.125</u> 12.500%	Stanolind Oil & Gas Company	None	Stanolind Oil and Gas Company All
30	T 31N - R 7W Sec. 18: SW $\frac{1}{4}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$ SE $\frac{1}{4}$	100.74	11/12/47 10 Yrs.	Manuel A. Lucero & Carlota Lucero 12 $\frac{1}{2}$ % All	Stanolind Oil & Gas Company	None	Stanolind Oil and Gas Company All
31	T 31N - R 7W That part of Tract 55 lying in Section 7	59.26	1/9/48 10 Yrs.	Manuel A. Lucero & Carlota Lucero 12 $\frac{1}{2}$ % All	Stanolind Oil & Gas Company	None	Stanolind Oil and Gas Company All

Tract Number	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	Working Interest and Percentage
32	T 31 N - R 7W Sec. 18: SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	11/7/47 10 Yrs.	Southland Royalty Co. 6.25% Martin A. Pierce & Beverly Y. Pierce Total 12.50%	Stanolind Oil & Gas Company	None	Stanolind Oil and Gas Company All
33	T 32N - R 6W Sec. 31: Lots 2,3,4, SE $\frac{1}{4}$ NW $\frac{1}{4}$ , S $\frac{1}{2}$ SE $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$	315.12	1/26/48 5 Yrs.	Thomas B. Miller & Beulah Miller V. H. McRee & Maudie M. McRee Total 3.125 12.500%	Amerada Petroleum Corporation	None	Amerada Petroleum Corporation All

Patented Lands - 13 Tracts, 3,191.53 Acres or 17.90% of Unit Area

\* Lease not yet issued. Offer to Lease Santa Fe 078699 filed by H. H. Phillips is in conflict with subsequent application filed by Levi A. Hughes and Charles B. Gonzales, N.M. 07137.

R E C A P I T U L A T I O N

<u>Land</u>	<u>Acres in Unit</u>	<u>Percentage of Unit Area</u>
Federal	12,806.50	71.83%
State	1,830.48	10.27%
Patented	<u>3,191.53</u>	<u>17.90%</u>
Total	17,828.51	100.00%

Witness:

\_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

H. H. Phillips

Witness:

\_\_\_\_\_

Address: 120 Wall St. NYC

*N. B. Gerber*

N. B. Gerber

Witness:

\_\_\_\_\_

Address: 120 Wall St. NYC

*B. R. Gerber*

B. R. Gerber

Witness:

\_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

WORKING INTEREST OWNERS

*97*

Attached to and made a part of \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ACCOUNTING PROCEDURE  
(UNIT AND JOINT LEASE OPERATIONS)**

**I. GENERAL PROVISIONS**

**1. Definitions**

The term "joint property" as herein used shall be construed to mean the subject area covered by the agreement to which this "Accounting Procedure" is attached.

The term "Operator" as herein used shall be construed to mean the party designated to conduct the development and operation of the leased premises for the joint account.

The term "Non-Operator" as herein used shall be construed to mean any one or more of the non-operating parties.

**2. Statements and Billings**

Operator shall bill Non-Operator on or before the last day of each month for its proportionate share of costs and expenditures during the preceding month. Such bills will be accompanied by statements, reflecting the total costs and charges as set forth under Sub-Paragraph \_\_\_\_\_ below:

- A. Statement in detail of all charges and credits to the joint account.
- B. Statement of all charges and credits to the joint account, summarized by appropriate classifications indicative of the nature thereof.
- C. Statements, as follows:
  - (1) Detailed statement of material ordinarily considered controllable by Operators of oil and gas properties;
  - (2) Statement of all other charges and credits to the joint account summarized by appropriate classifications indicative of the nature thereof; and
  - (3) Statement of any other receipts and credits.

**3. Payments by Non-Operator**

Each party shall pay its proportion of all such bills within fifteen (15) days after receipt thereof. If payment is not made within such time, the unpaid balance shall bear interest at the rate of six per cent (6%) per annum until paid.

**4. Audits**

Payment of any such bills shall not prejudice the right of Non-Operator to protest or question the correctness thereof. All statements rendered to Non-Operator by Operator during any calendar year shall be conclusively presumed to be true and correct after eighteen months following the close of any such calendar year, unless within said eighteen months period Non-Operator takes written exception thereto and makes claim on Operator for adjustment. Failure on the part of Non-Operator to make claim on Operator for adjustment within such period shall establish the correctness thereof and preclude the filing of exceptions thereto or the making of claims for adjustment thereon. A Non-Operator, upon notice in writing to Operator and all other Non-Operators, shall have the right to audit Operator's accounts and records relating to the accounting hereunder, within eighteen months next following the close of any calendar year. Non-Operator shall have six months next following the examination of the Operator's records within which to take written exception to and make any and all claims on Operator. The provisions of this paragraph shall not prevent adjustments resulting from the physical inventory of property as provided for in Section VI, Inventories, hereof.

**II. DEVELOPMENT AND OPERATING CHARGES**

Subject to limitations hereinafter prescribed, Operator shall charge the joint account with the following items:

**1. Rentals and Royalties**

Delay or other rentals, when such rentals are paid by Operator for the joint account; royalties, when not paid direct to royalty owners by the purchaser of the oil, gas, casinghead gas, or other products.

**2. Labor, Transportation, and Services**

Labor, transportation, and other services necessary for the development, maintenance, and operation of the joint property. Labor shall include (A) Operator's cost of vacation, sickness and disability benefits of employees, and expenditures or contributions imposed or assessed by governmental authority applicable to such labor, and (B) Operator's current cost of established plans for employees' group life insurance, hospitalization, pension, retirement, stock purchase, thrift, bonus, and other benefit plans of like nature, applicable to Operator's field payroll; provided that the charges under Part (B) of this paragraph shall not exceed five per cent (5%) of the total of such labor charged to the joint account.

**3. Material**

Material, equipment, and supplies purchased or furnished by Operator, for use of the joint property. So far as it is reasonably practical and consistent with efficient and economical operation, only such material shall be purchased for or transferred to the joint property as required for immediate use, and the accumulation of surplus stocks shall be avoided.

**4. Moving Material to Joint Property**

Moving material to the joint property from Vendor's or from Operator's warehouse in the district or from the other properties of Operator, but in either of the last two events no charge shall be made to the joint account for a distance greater than the distance from the nearest reliable supply store or railway receiving point where such material is available, except by special agreement with Non-Operator.

**5. Moving Surplus Material from Joint Property**

Moving surplus material from the joint property to outside vendees, if sold f.o.b. destination, or minor returns to Operator's warehouse or other storage point. No charge shall be made to the joint account for moving major surplus material to Operator's warehouse or other storage point for a distance greater than the distance to the nearest reliable supply store or railway receiving point, except by special agreement with Non-Operator; and no charge shall be made to the joint account for moving material to other properties belonging to Operator, except by special agreement with Non-Operator.

**6. Use of Operator's Equipment and Facilities**

Use of and service by Operator's exclusively owned equipment and facilities as provided in Paragraph 4, of Section III, "Basis of Charges to Joint Account."

**7. Damages and Losses**

Damages or losses incurred by fire, flood, storm, or any other cause not controllable by Operator through the exercise of reasonable diligence. Operator shall furnish Non-Operator written notice of damage or losses incurred by fire, storm, flood, or other natural or accidental causes as soon as practicable after report of the same has been received by Operator.

**8. Litigation, Judgments, and Claims**

All costs and expenses of litigation, or legal services otherwise necessary or expedient for the protection of the joint interests, including attorney's fees and expenses as hereinafter provided, together with all judgments obtained against the joint account or the subject matter of this agreement; actual expenses incurred by any party or parties hereto in securing evidence for the purpose of defending against any action or claim prosecuted or urged against the joint account or the subject matter of this agreement.

A. If a majority of the interests hereunder shall so agree, actions or claims affecting the joint interests hereunder may be handled by the legal staff of one or more of the parties hereto, and a charge commensurate with the services rendered may be made against the joint account, but no such charge shall be made until approved by the legal department of or attorneys for the respective parties hereto.

B. Fees and expenses of outside attorneys shall not be charged to the joint account unless authorized by the majority of the interests hereunder.

**9. Taxes**

All taxes of every kind and nature assessed upon or in connection with the properties which are the subject of this agreement, the production therefrom or the operation thereof, and which taxes have been paid by the Operator for the benefit of the parties hereto.

**10. Insurance**

A. Premiums paid for insurance carried for the benefit of the joint account, together with all expenditures incurred and paid in settlement of any and all losses, claims, damages, judgments, and other expenses, including legal services, not recovered from insurance carrier.

B. If no insurance is required to be carried, all actual expenditures incurred and paid by Operator in settlement of any and all losses, claims, damages, judgments, and any other expenses, including legal services, shall be charged to the joint account.

**11. District and Camp Expense**

A proportionate share of the salaries and expenses of Operator's District Superintendent and other general district or field employees serving the joint property, whose time is not allocated direct to the joint property, and a proportionate share of maintaining and operating a district office and all necessary camps, including housing facilities for employees if necessary, in conducting the operations on the joint property and other leases owned and operated by Operator in the same locality. The expense of, less any revenue from, these facilities shall include depreciation or a fair monthly rental in lieu of depreciation on the investment. Such charges shall be apportioned to all leases served on some equitable basis consistent with Operator's accounting practice.

**12. Overhead**

Overhead charges, which shall be in lieu of any charges for any part of the compensation or salaries paid to managing officers and employees of Operator, including the division superintendent, the entire staff and expenses of the division office located at \_\_\_\_\_, and any portion of the office expense of the principal business office located at \_\_\_\_\_, but which are not in lieu of district or field office expenses incurred in operating any such properties, or any other expenses of Operator incurred in the development and operation of said properties; and Operator shall have the right to assess against the joint property covered hereby the following overhead charges:

A. \$\_\_\_\_\_ per month for each drilling well, beginning on the date the well is spudded and terminating when it is on production or is plugged, as the case may be, except that no charge shall be made during the suspension of drilling operations for fifteen (15) or more consecutive days.

B. \$\_\_\_\_\_ per well per month for the first five (5) producing wells.

C. \$\_\_\_\_\_ per well per month for the second five (5) producing wells.

D. \$\_\_\_\_\_ per well per month for all producing wells over ten (10).

E. In connection with overhead charges, the status of wells shall be as follows:

(1) In-put or key wells shall be included in overhead schedule the same as producing oil wells.

(2) Producing gas wells shall be included in overhead schedule the same as producing oil wells.

(3) Wells permanently shut down but on which plugging operations are deferred, shall be dropped from overhead schedule at the time the shutdown is effected. When such wells are plugged, overhead shall be charged at the producing well rate during the time required for the plugging operation.

(4) Wells being plugged back or drilled deeper shall be included in overhead schedule the same as drilling wells.

(5) Various wells may be shut down temporarily and later replaced on production. If and when a well is shut down (other than for proration) and not produced or worked upon for a period of a full calendar month, it shall not be included in the overhead schedule for such month.

(6) Salt water disposal wells shall not be included in overhead schedule.

- F. The above overhead schedule on producing wells shall be applied to individual leases; provided that, whenever leases covered by this agreement are operated as a unitized project in the interest of economic development, the schedule shall be applied to the total number of wells, irrespective of individual leases.
- G. The above specific overhead rates may be amended from time to time by agreement between Operator and Non-Operator if, in practice, they are found to be insufficient or excessive.

### 13. Warehouse Handling Charges

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### 14. Other Expenditures

Any other expenditure incurred by Operator for the necessary and proper development, maintenance, and operation of the joint property.

## III. BASIS OF CHARGES TO JOINT ACCOUNT

### 1. Purchases

Material and equipment purchased and service procured shall be charged at price paid by Operator, after deduction of all discounts actually received.

### 2. Material Furnished by Operator

Material required for operations shall be purchased for direct charge to joint account whenever practicable, except that Operator may furnish such material from Operator's stocks under the following conditions:

#### A. New Material (Condition "A")

- (1) New material transferred from Operator's warehouse or other properties shall be priced f. o. b. the nearest reputable supply store or railway receiving point, where such material is available, at current replacement cost of the same kind of material. This will include material such as tanks, rigs, pumps, sucker rods, boilers, and engines. Tubular goods (2" and over), shall be priced on carload basis effective at date of transfer and f. o. b. railway receiving point nearest the joint account operation, regardless of quantity transferred.
- (2) Other material shall be priced on basis of a reputable supply company's Preferential Price List effective at date of transfer and f. o. b. the store or railway receiving point nearest the joint account operation where such material is available.
- (3) Cash discount shall not be allowed.

#### B. Used Material (Condition "B" and "C")

- (1) Material which is in sound and serviceable condition and is suitable for reuse without reconditioning shall be classed as Condition "B" and priced at 75% of new price.
- (2) Material which cannot be classified as Condition "B" but which,
  - (a) After reconditioning will be further serviceable for original function as good second hand material (Condition "B"), or
  - (b) Is serviceable for original function but substantially not suitable for reconditioning, shall be classed as Condition "C" and priced at 50% of new price.
- (3) Material which cannot be classified as Condition "B" or Condition "C" shall be priced at a value commensurate with its use.
- (4) Tanks, derricks, buildings, and other equipment involving erection costs shall be charged at applicable percentage of knocked-down new price.

### 3. Warranty of Material Furnished by Operator

Operator does not warrant the material furnished beyond or back of the dealer's or manufacturer's guaranty; and, in case of defective material, credit shall not be passed until adjustment has been received by Operator from the manufacturers or their agents.

### 4. Operator's Exclusively Owned Facilities

The following rates shall apply to service rendered to the joint account by facilities owned exclusively by Operator:

- A. Water service, fuel gas, power, and compressor service: At rates commensurate with cost of providing and furnishing such service to the joint account but not exceeding rates currently prevailing in the field where the joint property is located.
- B. Automotive Equipment: Rates commensurate with cost of ownership and operation. Such rates should generally be in line with schedule of rates adopted by the Petroleum Motor Transport Association, or some other recognized organization, as recommended uniform charges against joint account operations and revised from time to time. Automotive rates shall include cost of oil, gas, repairs, insurance, and other operating expense and depreciation; and charges shall be based on use in actual service on, or in connection with, the joint account operations. Truck, tractor, and pulling unit rates shall include wages and expenses of driver.
- C. A fair rate shall be charged for the use of drilling and cleaning-out tools and any other items of Operator's fully owned machinery or equipment which shall be ample to cover maintenance, repairs, depreciation, and the service furnished the joint property; provided that such charges shall not exceed those currently prevailing in the field where the joint property is located.
- D. Whenever requested, Operator shall inform Non-Operator in advance of the rates it proposes to charge.
- E. Rates shall be revised and adjusted from time to time when found to be either excessive or insufficient.

## IV. DISPOSAL OF LEASE EQUIPMENT AND MATERIAL

The Operator shall be under no obligation to purchase interest of Non-Operator in surplus new or secondhand material. Derricks, tanks, buildings, and other major items shall not be removed by Operator from the joint property without the approval of Non-Operator. Operator shall not sell major items of material to an outside party without giving Non-Operator an opportunity either to purchase same at the price offered or to take Non-Operator's share in kind.

1. **Material Purchased by Operator**

Material purchased by Operator shall be credited to the joint account and included in the monthly statement of operations for the month in which the material is removed from the joint property.

2. **Material Purchased by Non-Operator**

Material purchased by Non-Operator shall be invoiced by Operator and paid for by Non-Operator to Operator immediately following receipt of invoice. The Operator shall pass credit to the joint account and include the same in the monthly statement of operations.

3. **Division in Kind**

Division of material in kind, if made between Operator and Non-Operator, shall be in proportion to their respective interests in such material. Each party will thereupon be charged individually with the value of the material received or receivable by each party and corresponding credits will be made by the Operator to the joint account, and such credits shall appear in the monthly statement of operations.

4. **Sales to Outsiders**

Sales to outsiders of material from the joint property shall be credited by Operator to the joint account at the net amount collected by Operator from Vendee. Any claims by Vendee for defective material or otherwise shall be charged back to the joint account, if and when paid by Operator.

**V. BASIS OF PRICING MATERIAL TRANSFERRED FROM JOINT ACCOUNT**

Material purchased by either Operator or Non-Operator or divided in kind, unless otherwise agreed, shall be valued on the following basis:

1. **New Price Defined**

New price as used in the following paragraphs shall have the same meaning and application as that used above in Section III, "Basis of Charges to Joint Account."

2. **New Material**

New material (Condition "A"), being new material procured for the joint account but never used thereon, at 100% of current new price.

3. **Good Used Material**

Good used material (Condition "B"), being used material in sound and serviceable condition, suitable for reuse without reconditioning,

A. At 75% of current new price if material was charged to joint account as new, or

B. At 75% of current new price less depreciation consistent with their usage on and service to the joint property, if material was originally charged to the joint property as secondhand at 75% of new price.

4. **Other Used Material**

Used Material (Condition "C"), being used material which

A. After reconditioning will be further serviceable for original function as good secondhand material (Condition "B"), or

B. Is serviceable for original function but substantially not suitable for reconditioning, at 50% of current new price.

5. **Bad-Order Material**

Used material (Condition "D"), being material which cannot be classified as Condition "B" or Condition "C", shall be priced at a value commensurate with its use.

6. **Junk**

Junk (Condition "E"), being obsolete and scrap material, at prevailing prices.

7. **Temporarily Used Material**

When the use of material is of a temporary nature and its service to the joint account does not justify the reduction in price as provided in Paragraph 3B, above, such material shall be priced on a basis that will leave a net charge to the joint account consistent with the value of the service rendered.

**VI. INVENTORIES**

1. **Periodic Inventories**

Periodic inventories shall be taken by Operator of the joint account material, which shall include all such material as is ordinarily considered controllable by operators of oil and gas properties.

2. **Notice**

Notice of intention to take inventory shall be given by Operator at least ten days before any inventory is to begin, so that Non-Operator may be represented when any inventory is taken.

3. **Failure to be Represented**

Failure of Non-Operator to be represented at the physical inventory shall bind Non-Operator to accept the inventory taken by Operator, who shall in that event furnish Non-Operator with a copy thereof.

4. **Reconciliation of Inventory**

Reconciliation of inventory with charges to the joint account shall be made by each party at interest, and a list of overages and shortages shall be jointly determined by Operator and Non-Operator.

5. **Adjustment of Inventory**

Inventory adjustments shall be made by Operator with the joint account for overages and shortages, but Operator shall only be held accountable to Non-Operator for shortages due to lack of reasonable diligence.

6. **Special Inventories**

Special inventories may be taken, at the expense of the purchaser, whenever there is any sale or change of interest in the joint property, and it shall be the duty of the party selling to notify all other parties hereto as quickly as possible after the transfer of interest takes place. In such cases both the seller and the purchaser shall be represented and shall be governed by the inventory so taken.

STATE OF New York )  
COUNTY OF New York ) SS.

On this 14th day of September, 1952, before me personally appeared Mustard Berlowe, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Mustard Berlowe  
Notary Public

My commission expires:

\_\_\_\_\_

STATE OF New York )  
COUNTY OF New York ) SS.

On this 14th day of September, 1952, before me personally appeared Mustard Berlowe, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Mustard Berlowe  
Notary Public

My commission expires:

\_\_\_\_\_

STATE OF CALIFORNIA )  
COUNTY OF LOS ANGELES ) SS.

On this 8th day of October, 1952, before me personally appeared Mortimer A. Kline and Katherine P. Kline, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Myrtle J. Brantlett  
Notary Public

My commission expires:

My Commission Expires June 22, 1956

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_, before me personally appeared \_\_\_\_\_, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

\_\_\_\_\_  
Notary Public

My commission expires:  
\_\_\_\_\_

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_, before me personally appeared \_\_\_\_\_ described in and who  
STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS:

On this 15th day of October, 19 52, before me appeared H. H. McCOLLUGH, to me personally known, who, being by me duly sworn, did say that he is the Vice President of AMERADA PETROLEUM CORPORATION, and that the seal affixed to said instrument is the corporate seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said H. H. McCOLLUGH acknowledged said instrument to be the free act and deed of said corporation.

Given under my hand and seal this 15th day of October, 19 52.

My commission expires:

February 23, 1953

Agnes S. Higgins  
Notary Public

STATE OF Oklahoma  
COUNTY OF Tulsa

STATE OF Missouri )  
COUNTY OF Washington ) SS.

On this 4 day of September, 1952, before me appeared [Signature] to me personally known, who, being by me duly sworn, did say that he is [Signature] President of [Signature], a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said [Signature] acknowledged said instrument to be the free act and deed of said corporation.

[Signature]  
Notary Public

My commission expires:

8/1/55

STATE OF Texas )  
COUNTY OF El Paso ) SS.

On this 16 day of September, 1957, before me appeared [Signature], to me personally known, who, being by me duly sworn, did say that he is [Signature] President of EL PASO NATURAL GAS COMPANY, a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said [Signature] acknowledged said instrument to be the free act and deed of said corporation.

[Signature]  
Notary Public

My commission expires:

ROBERT E. HEYSER

Notary Public, In and for El Paso County, Texas  
My commission expires June 1, 1963

STATE OF Texas )  
COUNTY OF Dallas ) SS.

On this 18th day of September, 1952, before me appeared A. J. Harrison to me personally known, who, being by me duly sworn, did say that he is [Signature] President of Four States Natural Gas Co., a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said A. J. Harrison acknowledged said instrument to be the free act and deed of said corporation.

[Signature]  
Notary Public

My commission expires:

PAULINE G. BOWAN

Notary Public, In and for Dallas County, Texas  
My commission expires June 1, 1963

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On this \_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that he is \_\_\_\_ President of \_\_\_\_\_, a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

\_\_\_\_\_  
Notary Public

My commission expires:  
  
\_\_\_\_\_

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On this \_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that he is \_\_\_\_ President of \_\_\_\_\_, a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

\_\_\_\_\_  
Notary Public

My commission expires:  
  
\_\_\_\_\_

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On this \_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that he is \_\_\_\_ President of \_\_\_\_\_, a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

\_\_\_\_\_  
Notary Public

My commission expires:  
  
\_\_\_\_\_