

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE SAN JUAN 24-2 UNIT AREA
COUNTY OF RIO ARriba
STATE OF NEW MEXICO

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BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
San Juan EXHIBIT No. 6
CASE 1320

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE SAN JUAN 24-2 UNIT AREA
COUNTY OF RIO ARriba
STATE OF NEW MEXICO

NO. _____

THIS AGREEMENT, entered into as of the _____ day of _____, 1957, by and between the parties subscribing, ratifying or consenting hereto, and herein referred to as the "parties hereto,"

W I T N E S S E T H:

WHEREAS, the parties hereto are the owners of working, royalty, or other oil and gas interests in the unit area subject to this agreement; and

WHEREAS, the Mineral Leasing Act of February 25, 1920, 41 Stat. 437, as amended, 30 U.S.C. Secs. 181 et seq., authorizes Federal lessees and their representatives to unite with each other, or jointly or separately with others, in collectively adopting and operating a cooperative or unit plan of development or operation of any oil or gas pool, field, or like area, or any part thereof, for the purpose of more properly conserving the natural resources thereof whenever determined and certified by the Secretary of the Interior to be necessary or advisable in the public interest; and

WHEREAS, the Oil Conservation Commission of the State of New Mexico is authorized by an act of the Legislature (Chapter 72, Laws 1935, as amended by Chapter 193, Laws of 1937, Chapter 166, Laws of 1941, and Chapter 168, Laws of 1949) to approve this agreement and the conservation provisions hereof; and

WHEREAS, the parties hereto hold sufficient interests in the San Juan 24-2 Unit Area covering the land hereinafter described to give reasonably effective control of operations therein; and

WHEREAS, it is the purpose of the parties hereto to conserve natural resources, prevent waste, and secure other benefits obtainable through development and operation of the area subject to this agreement under the terms, conditions, and limitations herein set forth;

NOW, THEREFORE, in consideration of the premises and the promises herein contained, the parties hereto commit to this agreement their respective interests in the below-defined unit area, and agree severally among themselves, as follows:

1. ENABLING ACT AND REGULATIONS.

The Mineral Leasing Act of February 25, 1920, as amended, supra, and all valid pertinent regulations, including operating and unit plan regulations, heretofore issued thereunder or valid pertinent and reasonable regulations hereafter issued thereunder are accepted and made a part of this agreement as to Federal lands, provided such regulations are not inconsistent with the terms of this agreement; and as to non-Federal lands, the oil and gas operating regulations in effect as of the effective date hereof governing drilling and producing operations, not inconsistent with the terms hereof or the laws of New Mexico are hereby accepted and made a part of this agreement.

2. UNIT AREA.

The following-described land is hereby designated and recognized as constituting the unit area:

<u>New Mexico Principal Meridian</u>		
<u>Township 24 North, Range 2 West</u>		
		<u>Acres</u>
Section 1, Lots 1,2,3,4, S $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{2}$ (all)		650.32
Section 2, Lots 1,2,3,4, S $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{2}$ (all)		649.60
Section 3, Lots 1,2,3, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$		487.50
Section 10, E $\frac{1}{2}$		320.00
Sections 11 through 14, inclusive (all)		2,560.00
Section 15, E $\frac{1}{2}$		320.00
Section 22, E $\frac{1}{2}$		320.00
Sections 23 through 27, inclusive (all)		3,200.00
Section 33, S $\frac{1}{2}$		320.00
Sections 34, 35, 36, (all)		<u>1,920.00</u>
Total		10,747.42

Exhibit "A" attached hereto is a map showing the unit area and the boundaries and identity of tracts and leases in said area to the extent known to the Unit Operator. Exhibit "B" attached hereto is a schedule showing to the extent known to the Unit Operator the acreage, percentage, and kind of ownership of oil and gas interests in all land in the unit area. However, nothing herein or in said schedule or map shall be construed as a representation by any party hereto as to the ownership of any interest other than such interest or interests as are shown in said map or schedule as owned by such party. Exhibits "A" and "B" shall be revised by the Unit Operator whenever changes in the unit area render such revision necessary, or when requested by the Oil and Gas Supervisor, hereinafter referred to as "Supervisor," and not less than six copies of the revised exhibits shall be filed with the Supervisor and one copy thereof shall be

filed with the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission."

The above-described unit area shall when practicable be expanded to include therein any additional tract or tracts regarded as reasonably necessary or advisable for the purposes of this agreement, or shall be contracted to exclude lands not within any participating area whenever such expansion or contraction is necessary or advisable to conform with the purposes of this agreement. Such expansion or contraction shall be effected in the following manner:

(a) Unit Operator, on its own motion or on demand of the Director of the Geological Survey, hereinafter referred to as "Director," after preliminary concurrence of the Director, shall prepare a notice of proposed expansion or contraction describing the contemplated changes in the boundaries of the unit area, the reasons therefor, and the proposed effective date thereof, preferably the first day of a month subsequent to the date of notice.

(b) Said notice shall be delivered to the Commission and the Supervisor, and copies thereof mailed to the last known address of each working interest owner, lessee, and lessor whose interests are affected, advising that thirty days will be allowed for submission to the Unit Operator of any objections.

(c) Upon expiration of the 30-day period provided in the preceding item (b) hereof, Unit Operator shall file with the Commission and the Supervisor evidence of mailing of the notice of expansion or contraction and a copy of any objections thereto which have been filed with the Unit Operator, together with an application in sufficient number, for approval of such expansion or contraction, and with appropriate joinders.

(d) After due consideration of all pertinent information, the expansion or contraction shall, upon approval by the Commission and the Director, become effective as of the date prescribed in the notice thereof.

(e) All legal subdivisions of unitized lands (i.e., 40 acres by Government survey or its nearest lot or tract equivalent in instances of irregular surveys, however, unusually large lots or tracts shall be considered in multiples of 40 acres, or the nearest aliquot equivalent thereof, for the purpose of elimination under this subsection), or Drilling Block as defined in this agreement, (whichever may be applicable) no parts of which are entitled to be in a participating area within five years after the first day of the month following the effective date of the first initial participating area established under this unit agreement

shall be eliminated automatically from this agreement, effective as of the first day thereafter, and such lands shall no longer be a part of the unit area and shall no longer be subject to this agreement, unless at the expiration of said 5-year period diligent drilling operations are in progress on unitized lands not entitled to participation, in which event all such lands shall remain subject hereto for so long as such drilling operations are continued diligently, with not more than 90 days' time elapsing between the completion of one such well and the commencement of the next such well, except that the time allowed between such wells shall not expire earlier than 30 days after the expiration of any period of time during which drilling operations are prevented by a matter beyond the reasonable control of Unit Operator as set forth in the section hereof entitled "Unavoidable Delay"; provided that all legal subdivisions of lands or Drilling Blocks not in a participating area and not entitled to become participating under the applicable provisions of this agreement within 10 years after said first day of the month following the effective date of said first initial participating area shall be eliminated as above specified. In event of overlap of any two participating areas on different bases, i.e., the Drilling Block basis for formations above the base of the Mesaverde or the subdivision (or aliquot part thereof) basis for formations below the Mesaverde, as prescribed in this agreement, the subdivision basis of elimination shall apply only to lands not overlapped by a Drilling Block entitled to participation. Determination of creditable "Unavoidable Delay" time shall be made by Unit Operator and subject to approval of the Director. The Unit Operator shall, within 90 days after the effective date of any elimination hereunder, describe the area so eliminated to the satisfaction of the Director and promptly notify all parties in interest.

If conditions warrant extension of the 10-year period specified in this subsection 2(e), a single extension of not to exceed 2 years may be accomplished by consent of the owners of 90% of the current unitized working interests and 60% of the current unitized basic royalty interests (exclusive of the basic royalty interests of the United States), on a total-nonparticipating-acreage basis, respectively, with approval of the Director, provided such extension application is submitted to the Director not later than 60 days prior to the expiration of said 10-year period.

Any expansion of the unit area pursuant to this section which embraces lands theretofore eliminated pursuant to this subsection 2(e) shall not

be considered automatic commitment or recommitment of such lands.

3. UNITIZED LAND AND UNITIZED SUBSTANCES.

All land committed to this agreement shall constitute land referred to herein as "unitized land" or "land subject to this agreement." All oil and gas in any and all formations of the unitized land are unitized under the terms of this agreement and herein are called "unitized substances."

4. UNIT OPERATOR.

San Juan Gas Corporation, an Oklahoma corporation, is hereby designated as Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties and obligations of Unit Operator for the discovery, development, and production of unitized substances as herein provided. Whenever reference is made herein to the Unit Operator, such reference means the Unit Operator acting in that capacity and not as an owner of interest in unitized substances, and the term "working interest owner" when used herein shall include or refer to Unit Operator as the owner of a working interest when such an interest is owned by it.

5. RESIGNATION OR REMOVAL OF UNIT OPERATOR.

Unit Operator shall have the right to resign at any time prior to the establishment of a participating area or areas hereunder, but such resignation shall not become effective so as to release Unit Operator from the duties and obligations of Unit Operator and terminate Unit Operator's rights as such for a period of six months after notice of intention to resign has been served by Unit Operator on all working interest owners, the Commission and the Director, and until all wells then drilled hereunder are placed in a satisfactory condition for suspension or abandonment whichever is required by the Supervisor as to Federal lands and by the Commission as to other lands, unless a new Unit Operator shall have been selected and approved and shall have taken over and assumed the duties and obligations of Unit Operator prior to the expiration of said period.

Unit Operator shall have the right to resign in like manner and subject to like limitations as above provided at any time a participating area established hereunder is in existence, provided, that such resignation shall not release Unit Operator from any liability for any default by it hereunder occurring prior to the effective date of its resignation.

The Unit Operator may, upon default or failure in the performance of its duties or obligations hereunder, be subject to removal by the same percentage vote

of the owners of working interests determined in like manner as herein provided for the selection of a new Unit Operator. Such removal shall be effective upon notice thereof to the Director.

At any time for any reason whatsoever there is no Unit Operator, until a successor Unit Operator is selected and approved as hereinafter provided, the working interest owners shall be jointly responsible for performance of the duties of Unit Operator, and shall not later than thirty days before such resignation or removal becomes effective appoint a common agent to represent them in any action to be taken hereunder.

The resignation or removal of Unit Operator under this agreement shall not terminate its right, title, or interest as the owner of a working interest or other interest in unitized substances, but upon the resignation or removal of Unit Operator becoming effective such Unit Operator shall deliver possession of all equipment, materials, and appurtenances used in conducting the unit operations and owned by the working interest owners to the new duly qualified successor Unit Operator or to the owners thereof if no such new Unit Operator is elected, to be used for the purpose of conducting unit operations hereunder. Nothing herein shall be construed as authorizing removal of any material, equipment and appurtenances needed for the preservation of any wells.

6. SUCCESSOR UNIT OPERATOR.

Whenever the Unit Operator shall tender his or its resignation as Unit Operator or shall be removed as hereinabove provided, the owners of the working interests in the participating area or areas according to their respective acreage interests in such participating area or areas, or until a participating area shall have been established, the owners of the working interests according to their respective acreage interests in all unitized land, shall by majority vote select a successor Unit Operator; Provided, That, if a majority but less than seventy-five percent of the working interests qualified to vote are owned by one party to this agreement, a concurring vote of one or more additional working interest owners shall be required to select a new operator. Such selection shall not become effective until (a) a Unit Operator so selected shall accept in writing the duties and responsibilities of Unit Operator, and (b) the selection shall have been approved by the Director. If no successor Unit Operator is selected and qualified as herein provided, the Director at his election may declare this unit agreement terminated.

7. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT.

Costs and expenses incurred by Unit Operator in conducting unit operations hereunder shall be paid and apportioned among and borne by the owners of working interests, all in accordance with the agreement or agreements entered into by and between the Unit Operator and the owners of working interests, whether one or more, separately or collectively. Any agreement or agreements, entered into between the working interest owners and the Unit Operator as provided in this section, whether one or more, are herein referred to as the "unit operating agreement." Such unit operating agreement shall also provide the manner in which the working interest owners shall be entitled to receive their respective proportionate and allocated share of the benefits accruing hereto in conformity with their underlying operating agreements, leases, or other independent contracts, and such other rights and obligations as between Unit Operator and the working interest owners as may be agreed upon by Unit Operator and the working interest owners; however, no such unit operating agreement shall be deemed either to modify any of the terms and conditions of this unit agreement or to relieve the Unit Operator of any right or obligation established under this unit agreement, and in case of any inconsistency or conflict between the unit agreement and the unit operating agreement, this unit agreement shall prevail. Three true copies of any unit operating agreement executed pursuant to this section should be filed with the Supervisor prior to approval of this unit agreement.

8. RIGHTS AND OBLIGATIONS OF UNIT OPERATOR.

Except as otherwise specifically provided herein, the exclusive right, privilege, and duty of exercising any and all rights of the parties hereto which are necessary or convenient for prospecting for, producing, storing, allocating, and distributing the unitized substances are hereby delegated to and shall be exercised by the Unit Operator as herein provided. Acceptable evidence of title to said rights shall be deposited with said Unit Operator, and together with this agreement, shall constitute and define the rights, privileges, and obligations of Unit Operator. Nothing herein, however, shall be construed to transfer title to any land or to any lease or operating agreement, it being understood that under this agreement the Unit Operator, in its capacity as Unit Operator, shall exercise the rights of possession and use vested in the parties hereto only for the purposes herein specified.

9. INITIAL DRILLING.

Inasmuch as wells capable of producing unitized substances from the Pictured Cliffs formation have already been completed within the unit area, no initial test well to such formation is specified under the terms of this agreement.

10. PLAN OF DEVELOPMENT AND OPERATION.

Upon submittal of this unit agreement for final approval, the Unit Operator shall submit for the approval of the Commission and the Supervisor an acceptable plan of development and operation for the unitized land which, when approved by the Commission and the Supervisor, shall constitute the drilling and operating obligations of the Unit Operator under this agreement for the period specified therein. A minimum of five wells shall be commenced within one year from the effective date of this unit agreement to test the Pictured Cliffs formation, at least two of which shall be exploratory wells. One of such five wells shall adequately test the Mesaverde formation.

From time to time before the expiration of any existing plan, the Unit Operator shall submit for the approval of the Commission and the Supervisor, a plan for an additional specified period for the development and operation of the unitized land. Any plan submitted pursuant to this section shall provide for the continued development of the unitized area and for the diligent drilling necessary for determination of the area or areas thereof capable of producing unitized substances in paying quantities in each and every productive formation and shall be as complete and adequate as the Commission and the Supervisor may determine to be necessary for timely development and proper conservation of the oil and gas resources of the unitized area and shall (a) specify the number and locations of any wells to be drilled and the proposed order and time for such drilling; and (b) to the extent practicable specify the operating practices regarded as necessary and advisable for proper conservation of natural resources. Separate plans may be submitted for separate productive zones, subject to the approval of the Commission and the Supervisor. Said plan or plans shall be modified or supplemented when necessary to meet changed conditions or to protect the interests of all parties to this agreement. Reasonable diligence shall be exercised in complying with the obligations of the approved plan of development. No wells, except such as may be necessary to afford protection against operations not under this agreement or such as may be specifically approved by the Commission and the Supervisor, shall be drilled except in accordance with a plan of development approved as herein provided.

11. PARTICIPATION.

(a) Formations above base of the Mesaverde:

See 11

Drilling Blocks, for participation hereunder as to all formations lying above the base of the Mesaverde formation, shall consist of one-half sections, by government survey, the sections being divided by a line running north and south in such manner that each Drilling Block shall be either the East Half (E/2) or the West Half (W/2) of each given section, provided, however, that as to Sections 3 and 33, T. 24 N., R. 2 W., the following described lands shall be regarded as acceptable Drilling Blocks for all purposes hereunder.

Acceptable Drilling Blocks

Lots 1, 2, 3, $S\frac{1}{2}NE\frac{1}{4}$, $SE\frac{1}{4}NW\frac{1}{4}$ Section 3;
 $SE\frac{1}{4}$, $E\frac{1}{2}SW\frac{1}{4}$ Section 3;
 $S\frac{1}{2}$ Section 33.

Within thirty days after the effective date of this agreement as to wells theretofore completed, and within the month of completion, if practicable, for wells thereafter completed, or as soon thereafter as required by the Supervisor, the Unit Operator shall determine which wells so completed are capable of producing unitized substances in paying quantities (to-wit: quantities sufficient to repay the costs of drilling and producing operations, with a reasonable profit), and shall, by written notices mailed simultaneously, advise the Commission, the Supervisor, and the working interest owners of its determination in that regard, giving the data upon which its determination is based, including the effective date of the admission of each Drilling Block to the appropriate participating area, the description of all of the land in each Drilling Block so qualified for admission by a well located thereon, and the formation or formations in which such wells are completed. Protests against such determination may be filed with the Commission and the Supervisor within fifteen days after date of receipt by the Supervisor of such written notice, but unless the Commission or the Director shall, within thirty days after date of such receipt by the Supervisor, disapprove such determination, the determination of the Unit Operator shall thereafter be binding upon the parties hereto. The initial participating area for any formation above the base of the Mesaverde shall include all of the land in each Drilling Block on which a well so determined to be capable of producing unitized substances in paying quantities is located, such initial participating area to become effective as of the date of the completion of the first well to that formation, or the effective date of this unit agreement, whichever is later. Unit Operator shall prepare a schedule setting forth the percentage of unitized substances to be allocated, as hereunder provided, to each unitized tract in any participating area so

established or revised. Upon the approval of the initial participating area by the Commission and the Director, and automatically for subsequent revisions thereof in the absence of timely disapproval as above provided, said schedule shall govern the allocation of production from and after the date the participating area or its enlargement becomes effective.

A separate participating area shall be established in like manner for each separate pool or deposit of unitized substances or for any group thereof producing as a single pool or zone, effective as of the date of completion for production, and all of the provisions of this subsection (a) shall be considered as applicable separately for each such participating area. All wells completed for production of unitized substances in a particular formation shall be regarded as producing from that particular zone or pool.

Additional Drilling Blocks shall be admitted to the appropriate participating area on the first day of the month following the month in which a well thereon is completed for production, if capable of production of unitized substances in paying quantities, and the schedule of allocation shall be revised accordingly. All production prior to the effective date of such admission shall be credited solely to the account of the leases in that particular block without unit participation.

If the initial well on any Drilling Block is not capable of production in paying quantities and at a later date a well is drilled on such Drilling Block which is capable of production of unitized substances in paying quantities, then the entire Drilling Block shall be admitted to the participating area.

No Drilling Block, once included in a participating area, shall be excluded therefrom on account of depletion of unitized substances.

An undrilled Drilling Block is defined as an intervening Drilling Block when it lies between two Blocks included in the same participating area, and said participating Blocks adjoin the undrilled Block directly to the north and south or east and west. Unit Operator shall commence the drilling of a well on such intervening Drilling Block within ten months from the effective date of participation of the Block causing it to become an intervening Drilling Block, unless said time be extended by the Director, and shall continue such drilling with due diligence to a depth necessary to test the formation from which production is secured in said participating area.

Regardless of any revision of the participating area, and except as herein elsewhere specifically provided, there shall be no retroactive adjustment for production obtained prior to the effective date of any such revision of the participating area.

Whenever it is determined that a well drilled under this agreement to formations above the base of the Mesaverde is not capable of production in paying quantities and inclusion of the Drilling Block on which it is situated in a participating area is unwarranted, production from such well shall, for the purposes of settlement among royalty interest owners, be allocated only to the Drilling Block on which the well is located so long as such land is not within a participating area established for the pool or deposit from which such production is obtained. Settlement for working interest benefits from such a well shall be made as provided in the unit operating agreement.

(b) Formations below the Mesaverde:

Upon completion of a well capable of producing unitized substances in paying quantities from formations lying below the base of the Mesaverde, or as soon thereafter as required by the Supervisor, the Unit Operator shall submit for approval by the Commission and the Director, a schedule based on subdivisions of the public-land survey or aliquot parts thereof, of all unitized land then regarded as reasonably proved to be productive of unitized substances in paying quantities; all land in said schedule on approval of the Commission and the Director to constitute a participating area, effective as of the date of completion of such well or the effective date of this unit agreement, whichever is later. Said schedule also shall set forth the percentage of unitized substances to be allocated as herein provided to each unitized tract in the participating area so established, and shall govern the allocation of production from and after the date the participating area becomes effective.

A separate participating area shall be established in like manner for each separate pool or deposit of unitized substances or for any group thereof produced as a single pool or zone, and any two or more participating areas so established may be combined into one with the consent of the owners of all working interests in the lands within the participating areas so to be combined upon approval of the Commission and the Director. The participating area or areas so established shall be revised from time to time, subject to like approval, whenever such action appears proper as a result of further drilling operations or

otherwise, to include additional land then regarded as reasonably proved to be productive in paying quantities or to exclude land then regarded as reasonably proved to be nonproductive in paying quantities and the percentage of allocation shall also be revised accordingly. The effective date of any revision shall be the first day of the month in which is obtained the knowledge or information on which such revision is predicated, provided, however, a more appropriate effective date may be used if justified by the Unit Operator and approved by the Director. No land shall be excluded from a participating area on account of depletion of the unitized substances.

It is the intent of this subsection (b) that a participating area shall represent the area known or reasonably estimated to be productive in paying quantities; but, regardless of any revision of the participating area, nothing herein contained shall be construed as requiring any retroactive adjustment for production obtained prior to the effective date of revision of the participating area.

In the absence of agreement at any time between the Unit Operator and the Commission and the Director as to the proper definition or redefinition of a participating area, or until a participating area has, or areas have, been established as provided herein, the portion of all payments affected hereby may be impounded in a manner mutually acceptable to the owners of working interests, except royalties due the United States, which shall be determined by the Supervisor and the amount thereof deposited as directed by the Supervisor to be held as unearned money until a participating area is finally approved and then applied as earned or returned in accordance with a determination of the sum due as Federal royalty on the basis of such approved participating area.

Whenever it is determined, subject to the approval of the Supervisor, as to wells on Federal land, and the Commission as to patented land, that a well drilled under this agreement to formations below the base of the Mesaverde is not capable of production in paying quantities and inclusion of the land on which it is situated in a participating area is unwarranted, production from such well, for the purposes of settlement among all parties other than working interest owners, shall be allocated to the land on which the well is located so long as such land is not within a participating area established for the pool or deposit from which such production is obtained. Settlement for working interest benefits from such a well shall be made as provided in the unit operating agreement.

12. ALLOCATION OF PRODUCTION.

All unitized substances produced from each participating area established under this agreement, except any part thereof used in conformity with good operating practices within the unitized area for drilling, operating, camp and other production or development purposes, for repressuring or recycling in accordance with a plan of development approved by the Commission and the Supervisor, or unavoidably lost, shall be deemed to be produced equally on the acreage basis from the several tracts of unitized land of the participating area established for such production and, for the purpose of determining any benefits accruing under this agreement, each such tract of unitized land shall have allocated to it such percentage of said production as the number of acres of such tract included in said participating area bears to the total acres of unitized land in said participating area, except that allocation of production hereunder for purposes other than for settlement of the royalty, and overriding royalty, shall be on the basis prescribed in the unit operating agreement whether in conformity with the basis of allocation herein set forth or otherwise. It is hereby agreed that production of unitized substances from a participating area shall be allocated as provided herein regardless of whether any wells are drilled on any particular part or tract of said participating area. If any gas produced from one participating area is used for repressuring or recycling purposes in another participating area, the first gas withdrawn from such last mentioned participating area for sale during the life of this agreement shall be considered to be the gas so transferred until an amount equal to that transferred shall be so produced for sale and such gas shall be allocated to the participating area from which initially produced as constituted at the time of such final production.

13. DEVELOPMENT OR OPERATION OF NON-PARTICIPATING LAND OR FORMATIONS AND DRILLING OF WELLS NOT MUTUALLY AGREED UPON.

Any party or parties hereto owning or controlling the working interests or a majority of the working interests in any unitized land having thereon a regular well location may, with the approval of the Supervisor as to Federal land, or the Commission as to privately-owned land, and subject to the provisions of the unit operating agreement, at such party's sole risk, cost and expense, drill a well to test any formation for which a participating area has not been established or to test any formation for which a participating area has been established if such location is not within said participating area, or drill any

well not mutually agreed to by all interested parties, unless within ninety days of receipt of notice from said party of his intention to drill the well the Unit Operator elects and commences to drill such well in like manner as other wells are drilled by the Unit Operator under this agreement.

If any well drilled as aforesaid by a working interest owner results in production such that the land upon which it is situated may properly be included in a participating area, such participating area shall be established or enlarged as provided in this agreement, and the party or parties paying the cost of drilling such well shall be reimbursed as provided in the unit operating agreement for the cost of drilling such well, and the well shall thereafter be operated by Unit Operator in accordance with the terms of this agreement and the unit operating agreement.

If any well drilled as aforesaid by a working interest owner obtains production in quantities insufficient to justify the inclusion in a participating area of the land upon which such well is situated, such well may be operated and produced by the party drilling the same subject to the conservation requirements of this agreement. The royalties in amount or value of production from any such well shall be paid as specified in the underlying lease and agreements affected.

14. ROYALTY SETTLEMENT.

The United States and all royalty owners who, under existing contracts, are entitled to take in kind a share of the substances now unitized hereunder produced from any tract, shall hereafter be entitled to the right to take in kind their share of the unitized substances allocated to such tract, and Unit Operator, or in case of the operation of a well by a working interest owner as herein in special cases provided for, such working interest owner, shall make deliveries of such royalty share taken in kind in conformity with the applicable contracts, laws, and regulations. Settlement for royalty interest not taken in kind shall be made by working interest owners responsible therefor under existing contracts, laws, and regulations, on or before the last day of each month for unitized substances produced during the preceding calendar month; provided, however, that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any royalties due under their leases.

If gas obtained from lands not subject to this agreement is introduced into any participating area of the lands being operated hereunder, for use in

repressuring, stimulation of production, or increasing ultimate recovery, which shall be in conformity with a plan first approved by the Commission and the Supervisor, a like amount of gas, after settlement as herein provided for any gas transferred from any other participating area and with due allowance for loss or depletion from any cause, may be withdrawn from the formation into which the gas was introduced, royalty free as to dry gas, but not as to the products extracted therefrom; provided that such withdrawal shall be at such time as may be provided in the plan of operations or as may otherwise be consented to by the Commission and the Supervisor, as conforming to good petroleum engineering practice, and provided further, that such right of withdrawal shall terminate on the termination of this unit agreement.

Royalty due the United States shall be computed as provided in the operating regulations and paid in value or delivered in kind as to all unitized substances on the basis of the amounts thereof allocated to unitized Federal land as provided herein at the rates specified in the respective Federal leases, or at such lower rate or rates as may be authorized by law or regulation; provided, that for leases on which the royalty rate depends on the daily average production per well, said average production shall be determined in accordance with the operating regulations as though each participating area were a single consolidated lease.

Royalty due on account of privately-owned lands shall be computed and paid on the basis of all unitized substances allocated to such lands.

15. RENTAL SETTLEMENT.

Rental or minimum royalties due on leases committed hereto shall be paid by working interest owners responsible therefor under existing contracts, laws, and regulations, provided that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any rental or minimum royalty in lieu thereof due under their leases. Rental or minimum royalty for lands of the United States subject to this agreement shall be paid at the rate specified in the respective leases from the United States unless such rental or minimum royalty is waived, suspended, or reduced by law or by approval of the Secretary or his duly authorized representative.

With respect to any lease on non-Federal land, if and when committed to this agreement, containing provisions which would terminate such lease unless drilling operations were within the time therein specified commenced upon

the land covered thereby or rentals paid for the privilege of deferring such drilling operations, the rentals required thereby shall, notwithstanding any other provision of this agreement, be deemed to accrue and become payable during the term thereof as extended by this agreement and until the required drilling operations are commenced upon the land covered thereby or some portion of such land is included within a participating area.

16. CONSERVATION.

Operations hereunder and production of unitized substances shall be conducted to provide for the most economical and efficient recovery of said substances without waste, as defined by or pursuant to State or Federal law or regulation.

17. DRAINAGE.

The Unit Operator shall take appropriate and adequate measures to prevent drainage of unitized substances from unitized land by wells on land not subject to this agreement, including wells on adjacent unit areas.

18. LEASES AND CONTRACTS CONFORMED AND EXTENDED.

The terms, conditions, and provisions of all leases, subleases, and other contracts relating to exploration, drilling, development, or operation for oil or gas of lands committed to this agreement are hereby expressly modified and amended to the extent necessary to make the same conform to the provisions hereof, but otherwise to remain in full force and effect; and the parties hereto hereby consent that the Secretary shall by his approval hereof, or by the approval hereof by his duly authorized representative, does hereby establish, alter, change, or revoke the drilling, producing, rental, minimum royalty, and royalty requirements of Federal leases committed hereto and the regulations in respect thereto to conform said requirements to the provisions of this agreement, and, without limiting the generality of the foregoing, all leases, subleases, and contracts are particularly modified in accordance with the following:

(a) The development and operation of lands subject to this agreement under the terms hereof shall be deemed full performance of all obligations for development and operation with respect to each and every part or separately-owned tract subject to this agreement, regardless of whether there is any development of any particular part or tract of the unit area, notwithstanding anything to the contrary in any lease, operating agreement or other contract by and between the parties hereto, or their respective predecessors in interest, or any of them.

(b) Drilling and producing operations performed hereunder upon any tract of unitized lands will be accepted and deemed to be performed upon and for the benefit of each and every tract of unitized land, and no lease shall be deemed to expire by reason of failure to drill or produce wells situated on the land therein embraced.

(c) Suspension of drilling or producing operations on all unitized lands pursuant to direction or consent of the Secretary, or his duly authorized representative, or with the approval of the Commission shall be deemed to constitute such suspension pursuant to such direction or consent as to each and every tract of unitized land.

(d) Each lease, sublease or contract relating to the exploration, drilling, development or operation for oil or gas of lands other than those of the United States, committed to this agreement, if any, which, by its terms might expire prior to the termination of this agreement, is hereby extended beyond any such term so provided therein so that it shall be continued in full force and effect for and during the term of this agreement.

(e) Any Federal lease for a fixed term of twenty years or any renewal thereof or any part of such lease which is made subject to this agreement shall continue in force beyond the term provided therein until the termination hereof. Any other Federal lease committed hereto shall continue in force beyond the term so provided therein or by law as to the committed land so long as such lease remains subject hereto, provided, that production is had in paying quantities under this agreement prior to the expiration date of the term of such lease.

(f) Each sublease or contract relating to the operation and development of unitized substances from lands of the United States committed to this agreement, which by its terms would expire prior to the time at which the underlying lease, as extended by the immediately preceding paragraph, will expire, is hereby extended beyond any such term so provided therein so that it shall be continued in full force and effect for and during the term of the underlying lease as such term is herein extended.

(g) The segregation of any Federal lease committed to this agreement is governed by the following provision in the fourth paragraph of Sec. 17(b) of the Act of February 25, 1920, as amended by the Act of July 29, 1954, (68 Stat. 583, 585): "Any (Federal) lease hereafter committed to any such (unit) plan embracing lands that are in part within and in part outside of the area covered

by any such plan shall be segregated into separate leases as to the lands committed and the lands not committed as of the effective date of unitization; provided, however, that any such lease as to the nonunitized portion shall continue in force and effect for the term thereof but for not less than two years from the date of such segregation and so long thereafter as oil or gas is produced in paying quantities."

19. COVENANTS RUN WITH LAND.

The covenants herein shall be construed to be covenants running with the land with respect to the interest of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance, of interest in land or leases subject hereto shall be and hereby is conditioned upon the assumption of all privileges and obligations hereunder by the grantee, transferee, or other successor in interest. No assignment or transfer of any working interest, royalty, or other interest subject hereto shall be binding upon the Unit Operator until the first day of the calendar month after Unit Operator is furnished with the original, photostatic, or certified copy of the instrument of transfer.

20. EFFECTIVE DATE AND TERM.

This agreement shall become effective as of the first day of the month in which it is approved by the Director or his duly authorized representative and shall remain in effect until July 1, 1960, and so long thereafter as unitized substances can be produced in paying quantities, i.e., in this particular instance in quantities sufficient to pay for the costs of producing same from wells on unitized land within any participating area established hereunder and, should production cease, so long thereafter as diligent operations are in progress for the restoration of production or discovery of new production and so long thereafter as the unitized substances so discovered can be produced as aforesaid, or it is terminated as heretofore provided in this agreement.

This agreement may be terminated at any time by not less than seventy-five percent, on an acreage basis, of the owners of working interests signatory hereto, with the approval of the Director; notice of any such approval to be given by the Unit Operator to all parties hereto.

21. RATE OF PROSPECTING, DEVELOPMENT, AND PRODUCTION.

All unit production and the disposal thereof shall be in conformity with allocations, allotments and quotas made or fixed by any duly authorized

person or regulatory body under any Federal or State statute. The Director is hereby vested with authority to alter or modify from time to time, in his discretion, the rate of prospecting and development and within the limits made or fixed by the Commission to alter or modify the quantity and rate of production under this agreement, such authority being hereby limited to alteration or modification in the public interest, the purpose thereof and the public interest to be served thereby to be stated in the order of alteration or modification; provided, further, that no such alteration or modification shall be effective as to any privately-owned lands subject to this agreement as to the quantity and rate of production in the absence of specific written approval thereof by the Commission.

Powers in this section vested in the Director shall only be exercised after notice to Unit Operator and opportunity for hearing to be held not less than fifteen days from notice.

22. CONFLICT OF SUPERVISION.

Neither the Unit Operator nor the working interest owners nor any of them shall be subject to any forfeiture, termination or expiration of any rights hereunder or under any leases or contracts subject hereto, or to any penalty or liability on account of delay or failure in whole or in part to comply with any applicable provision thereof to the extent that the said Unit Operator, working interest owners or any of them are hindered, delayed or prevented from complying therewith by reason of failure of the Unit Operator to obtain, in the exercise of due diligence, the concurrence of proper representatives of the United States and proper representatives of the State of New Mexico in and about any matters or thing concerning which it is required herein that such concurrence be obtained. The parties hereto, including the Commission, agree that all powers and authority vested in the Commission in and by any provisions of this contract are vested in the Commission and shall be exercised by it pursuant to the provisions of the laws of the State of New Mexico and subject in any case to appeal or judicial review as may now or hereafter be provided by the laws of the State of New Mexico.

23. APPEARANCES.

Unit Operator shall, after notice to other parties affected, have the right to appear for or on behalf of any and all interests affected hereby before the Department of the Interior and the Commission and to appeal from orders

issued under the regulations of said Department and/or Commission or to apply for relief from any of said regulations or in any proceedings relative to operations before the Department of the Interior, the Commission, or any other legally constituted authority; provided, however, that any other interested party shall also have the right at his own expense to be heard in any such proceeding.

24. NOTICES.

All notices, demands or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if given in writing and personally delivered to the party or sent by postpaid registered mail, addressed to such party or parties at their respective addresses set forth in connection with the signatures hereto or to the ratification or consent hereof or to such other address as any such party may have furnished in writing to party sending the notice, demand or statement.

25. NO WAIVER OF CERTAIN RIGHTS.

Nothing in this agreement contained shall be construed as a waiver by any party hereto of the right to assert any legal or constitutional right or defense as to the validity or invalidity of any law of the State wherein said unitized lands are located, or of the United States, or regulations issued thereunder in any way affecting such party, or as a waiver by any such party of any right beyond his or its authority to waive.

26. UNAVOIDABLE DELAY.

All obligations under this agreement requiring the Unit Operator to commence or continue drilling or to operate on or produce unitized substances from any of the lands covered by this agreement shall be suspended while, but only so long as, the Unit Operator despite the exercise of due care and diligence is prevented from complying with such obligations, in whole or in part, by strikes, acts of God, Federal, State, or municipal law or agencies, unavoidable accidents, uncontrollable delays in transportation, inability to obtain necessary materials in open market, or other matters beyond the reasonable control of the Unit Operator whether similar to matters herein enumerated or not.

27. FAIR EMPLOYMENT.

In connection with the performance of work under this agreement, the Unit Operator agrees not to discriminate against any employee or applicant for employment because of race, religion, color, or national origin. The aforesaid provision shall include, but not be limited to, the following: employment,

upgrading, demotion, or transfer; recruitment or recruitment advertising, lay-off or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Unit Operator agrees to post hereafter in conspicuous places, available for employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of the nondiscrimination clause.

The Unit Operator agrees to insert the foregoing provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.

28. LOSS OF TITLE.

In the event title to any tract of unitized land shall fail and the true owner cannot be induced to join in this unit agreement, so that such tract is not fully committed to this agreement and the operation thereof hereunder becomes impractical as a result thereof, such tract shall be automatically regarded as not committed hereto and there shall be such readjustment of future costs and benefits as may be required on account of the loss of such title. In the event of a dispute as to title as to any royalty, working interest, or other interests subject thereto, payment or delivery on account thereof may be withheld without liability for interest until the dispute is finally settled; provided, that as to Federal land or leases, no payments of funds due the United States should be withheld, but such funds of the United States shall be deposited as directed by the Supervisor to be held as unearned money pending final settlement of the title dispute, and then applied as earned or returned in accordance with such final settlement.

Unit Operator as such is relieved from any responsibility for any defect or failure of any title hereunder.

29. NON-JOINDER AND SUBSEQUENT JOINDER.

If the owner of any substantial interest in a tract within the unit area fails or refuses to subscribe or consent to this agreement, the owner of the working interest in that tract may withdraw said tract from this agreement by written notice to the Director and the Unit Operator prior to the approval of this agreement by the Director. Any such tract not so withdrawn shall be considered as unitized, and any necessary adjustments of royalty occasioned by failure of the royalty and record owner to join will be for the account of the corresponding working interest owner. Any oil or gas interests in lands within

the unit area not committed hereto prior to submission of this agreement for final approval may thereafter be committed hereto by the owner or owners thereof subscribing or consenting to this agreement, and, if the interest is a working interest, by the owner of such interest also subscribing to the unit operating agreement. Joinder to the unit agreement by a working interest owner, at any time, must be accompanied by appropriate joinder to the unit operating agreement, if more than one committed working interest owner is involved, in order for the interest to be regarded as effectively committed to this unit agreement. After operations are commenced hereunder, the right of a subsequent joinder, as provided in this section, by a working interest owner is subject to such requirements or approvals, if any, pertaining to such joinder, as may be provided for in the unit operating agreement. After final approval hereof, joinder by a non-working interest owner must be consented to in writing by the working interest owner committed hereto and responsible for the payment of any benefits that may accrue hereunder in behalf of such non-working interest. Joinder by any owner of a non-working interest at any time must be accompanied by appropriate joinder by the owner of the corresponding working interest in order for the interest to be regarded as effectively committed hereto. Except as may otherwise herein be provided, subsequent joinders to this agreement shall be effective as of the first day of the month following the filing with the Supervisor of duly executed counterparts of all or any papers necessary to establish effective commitment of any tract to this agreement unless objection to such joinder is duly made within sixty days by the Director.

30. COUNTERPARTS.

This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties or may be ratified or consented to by separate instrument in writing specifically referring hereto and shall be binding upon all those parties who have executed such a counterpart, ratification, or consent hereto with the same force and effect as if all such parties had signed the same document and regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands within the above-described unit area.

IN WITNESS WHEREOF, this unit agreement is executed by the undersigned parties hereto as of the dates set opposite their respective signatures:

UNIT OPERATOR AND WORKING INTEREST OWNER

SAN JUAN GAS CORPORATION

Date: _____

By _____
President

ATTEST:

Secretary
300 Shell Building
Tulsa, Oklahoma

OTHER WORKING INTEREST OWNERS

GARDNER PETROLEUM COMPANY

Date: _____

By _____
President

ATTEST:

Secretary
1025 Mayo Building
Tulsa, Oklahoma

SKELLY OIL COMPANY

Date: _____

By _____
Vice President

ATTEST:

Assistant Secretary
Skelly Building
P. O. Box 1650
Tulsa, Oklahoma

GILCREASE OIL COMPANY

Date: _____

By _____
President

ATTEST:

Secretary
P. O. Box 2708
San Antonio, Texas

HUMBLE OIL & REFINING COMPANY

Date: _____

By _____

ATTEST:

Assistant Secretary
Humble Building
P. O. Box 2180
Houston, Texas

GULF OIL CORPORATION

Date: _____

By _____

Attorney in Fact

ATTEST:

Assistant Secretary
Guaranty Bank Building
P. O. Box 2097
Denver, Colorado

MAGNOLIA PETROLEUM COMPANY

Date: _____

By _____

Vice President

ATTEST:

Assistant Secretary
P. O. Box 900
Dallas, Texas

CYPRUS OIL COMPANY

Date: _____

By _____

Vice President

ATTEST:

Assistant Secretary
523 West Sixth Street
Los Angeles 14, California

L. W. WICKES AGENT CORPORATION

Date: _____

By _____

Vice President

ATTEST:

Assistant Secretary
1206 Pacific Mutual Building
Los Angeles 14, California

CLARK & COWDEN PRODUCTION COMPANY,
A PARTNERSHIP

Date: _____

5543 Yale Boulevard
Dallas 6, Texas

By _____
General Partner and
Attorney in Fact

CLARK & WILSON, A PARTNERSHIP

Date: _____

5543 Yale Boulevard
Dallas 6, Texas

By _____
General Partner

R. L. CLARK GRANDCHILDREN TRUSTS

Date: _____

5543 Yale Boulevard
Dallas 6, Texas

By _____
Trustee

Date: _____

ATTEST:

Assistant Secretary

By _____
Vice President

Date: _____

ATTEST:

Assistant Secretary

By _____
Vice President

Date: _____

ATTEST:

Assistant Secretary

By _____
Vice President

Date: _____

Address: 700 Mercantile Bank Bldg.

Dallas, Texas

A. G. Hill

Margaret H. Hill

Date: _____

Address: _____

Date: _____

Address: _____

Date: _____

Address: _____

Date: _____

Address: _____

Date: _____

Address: _____

Date: _____

Address: _____

STATE OF)
)
COUNTY OF) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 195____, by _____, _____ President of _____, a _____ Corporation, in behalf of said corporation.

My Commission Expires: _____

Notary Public in and for _____
County, State of _____

STATE OF)
)
COUNTY OF) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 195____, by _____, _____ President of _____, a _____ Corporation, in behalf of said corporation.

My Commission Expires: _____

Notary Public in and for _____
County, State of _____

STATE OF)
)
COUNTY OF) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 195____, by _____, _____ President of _____, a _____ Corporation, in behalf of said corporation.

My Commission Expires: _____

Notary Public in and for _____
County, State of _____

STATE OF)
)
COUNTY OF) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 195____, by _____, _____ President of _____, a _____ Corporation, in behalf of said corporation.

My Commission Expires: _____

Notary Public in and for _____
County, State of _____

STATE OF)
)
COUNTY OF) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 195__, by _____.

My Commission Expires:

Notary Public in and for _____
County, State of _____

STATE OF)
)
COUNTY OF) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 195__, by _____.

My Commission Expires:

Notary Public in and for _____
County, State of _____

STATE OF)
)
COUNTY OF) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 195__, by _____.

My Commission Expires:

Notary Public in and for _____
County, State of _____

STATE OF)
)
COUNTY OF) ss.

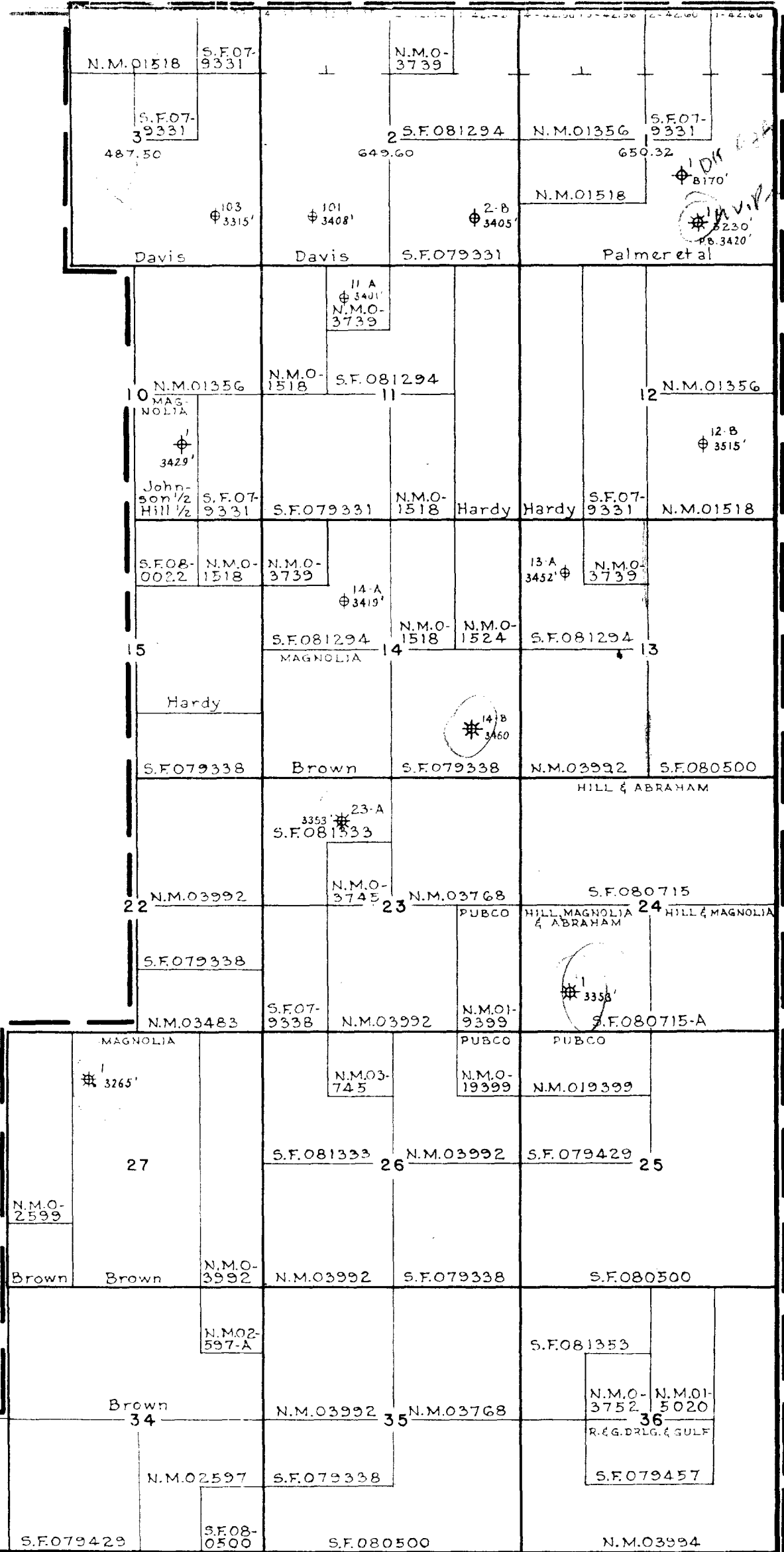
The foregoing instrument was acknowledged before me this _____ day of _____, 195__, by _____.

My Commission Expires:

Notary Public in and for _____
County, State of _____

R. 2 W.

LINDRITH UNIT AREA



JICARILLA INDIAN RESERVATION
R. 2 W.

LEGEND

	ACREAGE	PERCENT
FEDERAL LANDS	8,420.04	78.34 %
PATENTED LANDS	2,327.38	21.66 %
TOTAL	10,747.42	100.00 %

EXHIBIT "A"

SAN JUAN 24-2 UNIT AREA

RIO ARRIBA COUNTY, NEW MEXICO

SCALE 2" = 1 MILE

BOUNDARY UNIT AREA

TRACT NUMBER FROM EXHIBIT "B"

NOTE: SAN JUAN GAS CORPORATION holds Operating Rights, wholly or in part, to base of Mesaverde formation in all land within unit area unless such ownership is otherwise shown. (For details see Exhibit "B")

EXHIBIT "B" - SAN JUAN 24-2 UNIT - RIO ARRIBA COUNTY, NEW MEXICO

Page 1

Tract No.	Description	Serial No. No. of Lease Acres and Term	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
-----------	-------------	--	-------------------------------------	---	--	--

FEDERAL LANDS

1	Sec. 1: Lot 2, SW/4 NE/4 Sec. 2: SE/4 Sec. 3: Lot 1, SW/4 NE/4 Sec. 10: E/2 SE/4 Sec. 11: SW/4 Sec. 12: E/2 W/2	724.98 S.F. 079331 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	A. G. Hill	Eugene C. Connor, et al (See Footnote #4, page 9)	<u>To Base of Mesaverde</u> San Juan Gas Corporation <u>Below Base of Mesaverde</u> A. G. Hill	All
2	Sec. 14: SE/4 Sec. 15: S/2 SE/4 Sec. 22: N/2 SE/4 Sec. 23: W/2 SW/4 Sec. 26: SE/4 Sec. 35: N/2 SW/4	640.00 S.F. 079338 4-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Lindsey Hooper	None	<u>To Base of Mesaverde</u> San Juan Gas Corporation <u>Below Base of Mesaverde</u> Lindsey Hooper	All
3	Sec. 25: S/2 NW/4 Sec. 33: SE/4 Sec. 34: SW/4	400.00 S.F. 079429 8-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	A. G. Hill	Charlie W. Parcel 5.000%	<u>To Base of Mesaverde</u> San Juan Gas Corporation <u>Below Base of Mesaverde</u> A. G. Hill	All
4	Sec. 36: NE/4 SW/4, NW/4 SE/4	80.00 S.F. 079457 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Gulf Oil Corporation	None	Gulf Oil Corporation	All
5	Sec. 15: NW/4 NE/4	40.00 S.F. 080022 8-1-49 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	*R. L. Davisson, Jr.	Mrs. Annie Mary White, et al (See Footnote #5, page 9)	5.000% <u>To Base of Mesaverde</u> San Juan Gas Corporation <u>Below Base of Mesaverde</u> R. L. Davisson, Jr.	All

August 9, 1957

*Assignee under assignment filed for approval.

EXHIBIT "B" - SAN JUAN 24-2 UNIT - RIO ARRIBA COUNTY, NEW MEXICO

Page 2

Tract No.	Description	No. of Acres	Serial No. of Lease Date and Term	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
<u>FEDERAL LANDS (Continued)</u>							
6	Sec. 13: E/2 Sec. 25: S/2, NE/4 Sec. 34: SE/4, SE/4 Sec. 35: S/2 SW/4, SE/4	1080.00	S.F. 080500 1-1-52 5 yrs.	U.S.A. 12½% All	Skelly Oil Company	None	Skelly Oil Company
7	Sec. 24: S/2	320.00	S.F. 080715-A 11-1-51 5 yrs. Ext'd to 10-31-59	U.S.A. 12½% All	A. G. Hill Magnolia Petroleum Company	(1/2) Oscar Abraham 5.000%	A. G. Hill Magnolia Petroleum Company
8	Sec. 24: N/2	320.00	S.F. 080715-B 11-1-51 5 yrs.	U.S.A. 12½% All	J. Glenn Turner Oscar Abraham Riasan Company	(1/2) (2/6) (1/6)	J. Glenn Turner Oscar Abraham Riasan Company
9	Sec. 2: Lot 1, S/2 NE/4 Sec. 11: W/2 NE/4, SE/4 NW/4 Sec. 13: W/2 NW/4, SE/4 NW/4 Sec. 14: E/2 NW/4, SW/4 NW/4	482.46	S.F. 081294 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Gardner Petroleum Company, et al (See Footnote #1, page 9)	None	To Base of Mesaverde San Juan Gas Corporation Below Base of Mesaverde Gardner Petroleum Company, et al (See Footnote #1, page 9)
10	Sec. 23: N/2 NW/4, SW/4 NW/4 Sec. 26: NW/4 NW/4, S/2 NW/4	240.00	S.F. 081333 4-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Gardner Petroleum Company, et al (See Footnote #1, page 9)	None	To Base of Mesaverde San Juan Gas Corporation Below Base of Mesaverde Gardner Petroleum Company, et al (See Footnote #1, page 9)

August 9, 1957

EXHIBIT "B" - SAN JUAN 24-2 UNIT - RIO ARriba COUNTY, NEW MEXICO

Page 3

Tract No.	Description	No. of Acres	Serial No. of Lease and Term	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
<u>FEDERAL LANDS (Continued)</u>							
11	Sec. 36: N/2 NW/4, SW/4 NW/4	120.00	S.F. 081353 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Gardner Petroleum Company, et al (See Footnote #1, page 9)	None	<u>To Base of Mesaverde</u> San Juan Gas Corporation <u>Below Base of Mesaverde</u> Gardner Petroleum Company, et al (See Footnote #1, page 9)
12	Sec. 1: Lots 3, 4, S/2 NW/4 Sec. 10: NE/4 Sec. 12: NE/4	485.06	N.M. 01356 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	L. W. Wickes Agent Corporation, et al (See Footnote #3, page 9)	None	<u>To Base of Mesaverde</u> San Juan Gas Corporation L. W. Wickes Agent Corporation <u>Below Base of Mesaverde</u> L. W. Wickes Agent Corporation, et al (See Footnote #3, page 9)
13	Sec. 1: N/2 SW/4 Sec. 3: Lots 2, 3 Sec. 11: W/2 NW/4, W/2 SE/4 Sec. 12: SE/4 Sec. 14: W/2 NE/4 Sec. 15: NE/4 NE/4	605.12	N.M. 01518 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	R. L. Davisson, Jr.	Mrs. Annie Mary White, et al (See Footnote #5, Page 9)	5.000%
14	Sec. 14: E/2 NE/4	80.00	N.M. 01524 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Humble Oil & Refining Company	H. E. Millikan	3.000%
							<u>To Base of Mesaverde</u> San Juan Gas Corporation <u>Below Base of Mesaverde</u> Humble Oil & Refining Company

August 9, 1957

EXHIBIT "B" - SAN JUAN 24-2 UNIT - RIO ARRIBA COUNTY, NEW MEXICO

Page 4

Tract No.	Description	Serial No. No. of Lease Date Acres and Term	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
<u>FEDERAL LANDS (Continued)</u>						
15	Sec. 34: N/2 SE/4, SW/4 SE/4	120.00 N.M. 02597 8-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Gardner Petroleum Company, et al (See Footnote #1, page 9)	None	<u>To Base of Mesaverde</u> San Juan Gas Corporation <u>Below Base of Mesaverde</u> Gardner Petroleum Company, et al (See Footnote #1, page 9)
16	Sec. 34: NE/4 NE/4	40.00 N.M. 02579-A 8-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Gilcrease Oil Company, et al (See Footnote #2, page 9)	None	<u>To Base of Mesaverde</u> San Juan Gas Corporation <u>Below Base of Mesaverde</u> Gilcrease Oil Company, et al (See Footnote #2, page 9)
17	Sec. 33: SW/4	160.00 N.M. 02598 8-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Felmont Oil Corporation	None	Felmont Oil Corporation
18	Sec. 27: W/2 NW/4, NW/4 SW/4	120.00 N.M. 02599 8-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Skelly Oil Company	None	Skelly Oil Company
19	Sec. 22: S/2 SE/4	80.00 N.M. 03483 4-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	Humble Oil & Refining Company	H. E. Millikan	<u>To Base of Mesaverde</u> San Juan Gas Corporation <u>Below Base of Mesaverde</u> Humble Oil & Refining Company

August 9, 1957

Tract No.	Description	No. of Acres	Serial No. of Lease and Term	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percent of Interest
<u>FEDERAL LANDS (Continued)</u>							
20	Sec. 2: Lot 2 Sec. 11: NE/4 NW/4 Sec. 13: NE/4 NW/4 Sec. 14: NW/4 NW/4	162.42	N.M. 03739 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Gilcrease Oil Company, et al (See Footnote #2, page 9)	None	<u>To Base of Mesaverde</u> San Juan Gas Corporation Below Base of Mesaverde Gilcrease Oil Company, et al (See Footnote #2, page 9)
21	Sec. 23: SE/4 NW/4 Sec. 26: NE/4 NW/4	80.00	N.M. 03745 4-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Gilcrease Oil Company, et al (See Footnote #2, page 9)	None	<u>To Base of Mesaverde</u> San Juan Gas Corporation Below Base of Mesaverde Gilcrease Oil Company, et al (See Footnote #2, page 9)
22	Sec. 36: SE/4 NW/4	40.00	N.M. 03752 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Gilcrease Oil Company, et al (See Footnote #2, page 9)	None	<u>To Base of Mesaverde</u> San Juan Gas Corporation Below Base of Mesaverde Gilcrease Oil Company, et al (See Footnote #2, page 9)
23	Sec. 23: NE/4 Sec. 35: NE/4	320.00	N.M. 03768 4-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Humble Oil & Refining Company	H. E. Williken	3.000% <u>To Base of Mesaverde</u> San Juan Gas Corporation Below Base of Mesaverde Humble Oil & Refining Company

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Tract No.	Description	No. of Acres	Serial No. of Lease Date and Term	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
<u>FEDERAL LANDS (Continued)</u>							
24	Sec. 13: SW/4 Sec. 22: NE/4 Sec. 23: E/2 SW/4, W/2 SE/4 Sec. 26: SW/4, S/2 NE/4, NW/4 NE/4 Sec. 27: E/2 E/2 Sec. 35: NW/4	1080.00	N.M. 03992 4-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	A. G. Hill	Eugene C. Connor, et al. (See Footnote #4, page 9)	To Base of Mesaverde San Juan Gas Corporation Below Base of Mesaverde A. G. Hill
25	Sec. 36: E/2 NE/4, E/2 SE/4, SW/4 SE/4, W/2 SW/4 SE/4 SW/4, W/2 SW/4	320.00	N.M. 03994 5-1-48 5 yrs. Ext'd add'l 5 yrs.	U.S.A. 12½% All	A. G. Hill	Eugene C. Connor, et al. (See Footnote #4, page 9)	To Base of Mesaverde San Juan Gas Corporation Below Base of Mesaverde A. G. Hill
26	Sec. 36: W/2 NE/4	80.00	N.M. 015020-A 8-1-54 5 yrs.	U.S.A. 12½% All	Humble Oil & Refining Company	George Cuccia John P. Cuccia Vincent Cuccia	To Base of Mesaverde San Juan Gas Corporation Below Base of Mesaverde Humble Oil & Refining Company
27	Sec. 23: E/2 SE/4 Sec. 25: N/2 NW/4 Sec. 26: NE/4 NE/4	200.00	N.M. 019399 1-1-56 5 yrs.	U.S.A. 12½% All	Pubco Development, Inc.	None	Pubco Development, Inc.
TOTAL FEDERAL LANDS		-	8,420.04 Acres				

August 9, 1957

Tract No.	Description	No. of Acres	Lease Date and Term	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
<u>PATENTED LANDS</u>							
28	Sec. 1: Lot 1, SE/4 NE/4 SE/4, S/2 SW/4	322.66	2-28-56 5 yrs. HBP	Roger J. Palmer 8.333% H. J. Gutmann 2.083% Thomas McKenna 1.042% Joseph Sommer 1.042%	San Juan Gas Corporation		San Juan Gas Corporation All
29	Sec. 2: Lots 3, 4, S/2 NW/4, SW/4 Sec. 3: SE/4 NE/4, SE/4 SE/4 NW/4, E/2 SW/4	644.72	3-13-56 2 yrs.	Milton Davis, et al 12½%	San Juan Gas Corporation		San Juan Gas Corporation All
30	Sec. 10: W/2 SE/4	80.00	2-1-47 10 yrs. Unleased	A. G. Johnson 6¼% Fannie Hill 6¼%	Magnolia Petroleum Company Unleased	None	Magnolia Petroleum Company All
31	Sec. 11: E/2 E/2 Sec. 12: W/2 W/2 Sec. 15: S/2 NE/4, N/2 SE/4	480.00		J.B. Hart 12½%	Skelly Oil Company	None	Skelly Oil Company All

Tract No.	Description	No. of Acres	Lease Date and Term	Land Owner Percentage of Royalty	Record Owner or Application	Lease	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
PATENTED LANDS (Continued)								
32	Sec. 27: SW/4, SW/4 Sec. 34: NW/4, W/2 NE/4, SE/4 NE/4	320.00		Paul Brown 12½%	A. G. Hill		None	A. G. Hill
33	Sec. 14: SW/4 Sec. 27: E/2 W/2, W/2 E/2	480.00	1-1-47 10 yrs.	J.F. Brown 12½%	Magnolia Petroleum Company		Horace F. McKay, Jr. \$10.00 per acre out of 16.25% of all production from SW/4 Sec. 14.	Magnolia Petroleum Company All

TOTAL PATENTED LANDS - 2,327.38 Acres

RECAPITULATION

LAND	ACREAGE	PERCENTAGE
Federal	8,420.04	78.34%
Patented	2,327.38	21.66%
Totals	10,747.42	100.00%

FOOTNOTES

#1 Gardner Petroleum Company, et al, includes:	#4 Eugene C. Connor, et al, includes:
Gardner Petroleum Company (1/3)	Eugene C. Connor .116846%
Lindsey Hooper (1/3)	L. L. Henry .173910%
Clark & Cowden Production Co., a Partnership (5/24)	Mrs. Florence Randall .130430%
Clark & Wilson, a Partnership (1/24)	Mrs. Stella Connor .206530%
R. L. Clark Grandchildren Trusts, Rawlins Clark, Trustee (2/24)	John R. Cartmill .174997%
	John C. Martin, Jr. .007609%
	Joe B. Houston .011413%
	Gerald B. Klein .011413%
	Mrs. Davida Gilmore .076090%
	R. L. Davisson, Jr. .374080%
	Annie Mary White .278985%
#2 Gilcrease Oil Company, et al, includes:	Gardner Petroleum Company .304367%
Gilcrease Oil Company (1/2)	Willie S. Gardner .228261%
Ruth Gilliland Kistler, Independent Executrix of the Estate of J. W. Gilliland, Deceased (1/4)	Lindsey Hooper .174997%
Ralph Gilliland (1/4)	J. H. Gardner .126814%
	Mr. H. E. Milliken & Goldie
	Milliken, Joint Tenants .038043%
	Dr. William Kenneth Newill .038043%
	Charles W. Lovejoy & Constance Lovejoy, Joint Tenants
	.152171%
	2.624999%
#3 L. W. Wickes Agent Corporation, et al, includes:	
L. W. Wickes Agent Corporation (1/2)	
Cyprus Oil Corporation, a division of Cyprus Mines Corporation (1/4)	
Skelly Oil Company (1/4)	
#5 Mrs. Annie Mary White, et al, includes:	
Mrs. Annie Mary White	1.00%
Lindsey Hooper	0.60%
John C. Martin, Jr.	0.20%
Joe B. Houston	0.30%
Gerald B. Klein	0.30%
John R. Cartmill	0.60%
Mr. H. E. Milliken and Goldie Milliken, Joint Tenants	1.00%
Dr. William Kenneth Newill	1.00%
	5.00%