





UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE SAN JUAN 29-7 UNIT AREA
COUNTY OF RIO ARRIBA,
STATE OF NEW MEXICO

14-08-001-1650

RECEIVED

AUG 25 1954

U. S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

This agreement entered into as of the 7th day of December, 1953, by and between the parties subscribing, ratifying, or consenting hereto, and herein referred to as the "parties hereto",

WITNESSETH: 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 Act of February 25, 1920, 41 Stat. 437, as amended by the Act of August 8, 1946, 60 Stat. 950, 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 Commissioner of Public Lands of the State of New Mexico is authorized by an act of the Legislature (Chapter 88, Laws 1943, New Mexico Statutes 1941 Annotated, Sections 8-1138 to 8-1141) to consent to and approve the development or operation of lands of the State of New Mexico under this agreement; and

Whereas the Oil Conservation Commission of the State of New Mexico is authorized by an act of the Legislature (Chapter 72, Laws 1935, New Mexico Statutes 1941 Annotated, Sections 69-201 et seq.) to approve this agreement and the conservation provisions hereof; and

Whereas the parties hereto hold sufficient interests in the San Juan 29-7 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 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:

New Mexico Principal Meridian

Township 29 North, Range 7 West
Sections 1 through 36, All

Containing 22,500.14 acres, more or less

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", or when requested by the Commissioner of Public Lands of the State of New Mexico, hereinafter referred to as "Commissioner", and not less than six copies of the revised exhibits shall be filed with the Supervisor and copies thereof shall be filed with the Commissioner and 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", or on demand of the Commissioner and/or the Commission, 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.

(b) Said notice shall be delivered to the Supervisor and Commissioner and/or the Commission, and copies thereof mailed to the last known address of each working interest owner, lessee, and lessor whose interests are affected, advising that 30 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 Supervisor, Commissioner and the Commission 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.

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

(e) Notwithstanding any other provisions of this agreement, any lease, no portion of which is included within a participating area within 5 years after the first sale of unitized substances from any lands subject to this agreement, shall be automatically eliminated from this agreement and said lease, and the lands covered thereby 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 drilling operations are in progress on such lease, in which event the lands covered by such lease shall remain subject hereto and within said unit area for so long as such drilling operations are continued diligently and, so long thereafter as such lands or any portion thereof may be included in a participating area hereunder. Inasmuch as any elimination under this section is automatic, the Unit Operator shall, within 90 days after any such elimination hereunder, describe the area so eliminated, and promptly notify all parties in interest.

All land committed to this agreement shall constitute land referred to herein as "unitized land" or "land subject to this agreement".

3. Unitized substances.

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.

El Paso Natural Gas Company, a Delaware corporation with offices at El Paso, Texas, 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 anytime prior to the establishment of a participating area or areas hereunder, 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 6 months after notice of intention to resign has been served by Unit Operator on all working interest owners and the Director, Commissioner and the Commission, 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, but provided, however, 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 30 days before such resignation becomes effective appoint a common

agent to represent them in any action to be taken hereunder.

The resignation of Unit Operator 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 and Commissioner.

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 75 per cent 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 and Commissioner. If no successor Unit Operator is selected and qualified as herein provided, the Director and Commissioner at their 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 shall be filed with the supervisor.

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. Discovery Well.

Inasmuch as several wells capable of producing unitized substances

in paying quantities from the Mesaverde formation have already been drilled, tested, and completed on committed lands and several other wells within the unit area are in various stages of drilling, no initial test well for discovery shall be required under the terms of this unit agreement.

10. Plan for Further Development and Operation.

Within 30 days after the effective date hereof, the unit operator shall submit for the approval of the Supervisor, the Commissioner, and the Commission an acceptable plan of development and operation for the unitized lands which, when approved by the Supervisor, the Commissioner, and Commission, shall constitute the further drilling and operating obligations of the unit operator under this agreement for the period specified therein. Within 60 days after the effective date hereof, Unit Operator shall commence drilling one well in the SW/4 of Section 13 at a location approved by the Supervisor. Within 30 days after completion or plugging and abandonment of said well in Section 13, Unit Operator shall commence drilling a second well to be located in the NE/4 of Section 35 at a location approved by the Supervisor. Unit Operator shall continue drilling diligently on each of the above wells so commenced until such wells have reached the Mesaverde formation or until, at a lesser depth, unitized substances shall be discovered which can be produced in paying quantities (to wit: quantities sufficient to repay the costs of drilling and producing operations with a reasonable profit) or the unit operator shall at any time establish to the satisfaction of the Supervisor if on Federal lands, the Commissioner if on State land, the Commission if on patented land that further drilling of such wells or any of them would be unwarranted or impracticable. Unit operator shall not in any event be required to drill any well in the initial plan of development to a depth in excess of development to a depth in excess of 6100 feet. Thereafter, from time to time before the expiration of any existing plan, the unit operator shall submit for the approval of the Supervisor, the Commissioner, and the Commission 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 exploration of the unitized area and for the 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 Supervisor, the Commissioner, and the Commission may determine to be necessary for timely development and proper conservati

of the oil and gas resources of the unitized area and shall (a) specify the number and location 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 Supervisor, the Commissioner, and the Commission. 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 Supervisor, the Commissioner, and Commission shall be drilled except in accordance with a plan of development approved as herein provided.

11. Participation after discovery.

(a) Mesaverde and Shallower Formations:

That portion of the unit area lying above the base of the Mesaverde formation is hereby divided into Drilling Blocks containing 320 acres each, more or less, which Drilling Blocks shall constitute 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 in any instances of irregular surveys that portion of a section which most nearly constitutes either the East Half (E/2) or the West Half (W/2) shall constitute a Drilling Block even though its acreage may be irregular, and provided further that any irregular strips or small tracts shall attach to the adjacent Drilling Block to which they most logically attach within the limitations for Drilling Blocks as herein set forth, and provided further that in the event any portion of the area subject to this agreement is not surveyed, Unit Operator shall project the survey from the nearest established government survey points for the purposes of this agreement.

Upon completion of a well capable of producing unitized substances from the Mesaverde or shallower formation or as soon thereafter as required by the Supervisor or the Commissioner, the Unit Operator shall determine whether said well is capable of producing unitized substances in paying quantities and shall advise the Supervisor, the Commissioner, the Commission and the working interest owners of its conclusion in that regard, giving the data upon which its conclusion is based and identifying the Drilling Block upon which said well is located. Protests against

said conclusion may be filed with the Director, the Commissioner and the Commission within 15 days thereafter, but unless the Director, the Commissioner or the Commission shall, within 30 days after the filing of the original statement of conclusion by Unit Operator, disapprove of such conclusion, the decision of the Unit Operator shall thereafter be binding upon the parties hereto. If any such well is determined to be capable of producing unitized substances in paying quantities, all of the land in the Drilling Block shall constitute the participating area for the formation from which the well is producing, effective as of the date of first production on or after the effective date of this unit agreement. Unit Operator shall prepare a schedule setting forth the percentage of unitized substances to be allocated, as herein provided, to each unitized tract in the participating area so established, and upon approval thereof by the Director, the Commissioner and the Commission, said schedule 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 producing as a single pool or zone, and all of the provisions of this section of this agreement shall be considered as applicable separately for each such participating area. It is hereby agreed for the purposes of this agreement that all wells completed for production in the Fruitland formation shall be regarded as producing from a single zone or pool and all wells completed for production in the Pictured Cliffs formation shall be regarded as producing from a single zone or pool, and all wells completed for production in the Mesaverde group shall be regarded as producing from a single zone or pool. Additional Drilling Blocks, subject to any limitations elsewhere set out in this agreement, shall be admitted to the participating area on the first day of the month following the month in which it has been established that a well capable of production of unitized substances in paying quantities has been drilled on any such Drilling Block, and the percentage of allocation shall be revised accordingly, in which event all of the production prior to the effective date of admission of such drilling block to the participating area shall be credited solely to the account of that particular block. For the purposes hereof, it shall be deemed that the capability of a well to produce unitized substances in paying quantities has been established when so determined by the Unit Operator and when notice of such determination shall have been delivered to the Supervisor, the Commissioner, the Commission and the working interest owners, which

notice includes the data upon which the determination is based and identifies the Drilling Block upon which the well is located, subject to the right of any interested party to protest in writing against said determination to the Unit Operator, the Director, the Commissioner and the Commission within 15 days thereafter, however, in any event, such determination shall become effective within 30 days from the date thereof unless disapproved within said 30-day period by the Director, Commissioner, or Commission. In the event such determination is not upheld and changed conditions subsequently warrant, a new determination based on new showings and a new effective date may be submitted and processed in the same manner as aforesaid. No land shall be excluded from a participating area on account of depletion of the unitized substances

In the event that any drilling block is admitted to a participating area as hereinabove provided when it lies directly north, south, east or west of any Drilling Block already included in said participating area, and where there is one, but only one intervening Drilling Block on which no well has then been drilled, said intervening Drilling Block shall also be admitted to said participating area at the same time, in the same manner and subject to the same conditions as the Drilling Block which is then admitted to such participating area by reason of the completion of a well thereon capable of producing unitized substances in paying quantities. In such event, the drilling of a well on such undrilled intervening Drilling Block shall be commenced within one year from the effective date of said Drilling Block's inclusion in the participating area, unless said time be extended by the Director, Commissioner, and Commission, and shall be continued with due diligence to a depth necessary to test the horizon from which production is secured in said participating area.

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 that portion of the Drilling Block considered to be capable of production in paying quantities by reasonable geologic inference shall be admitted to the participating area upon recommendation of the Unit Operator and approval of the Director, the Commissioner and the Commission. If geological inference is not applicable, the forty-acre tract by government survey, existing or projected, on which the producible well is drilled and all other untested forty-acre tracts or lots approximating 40 acres lying within the Drilling Block shall be admitted to the 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, in the manner provided in this agreement, that a well drilled under this agreement 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 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) From Formations below the Mesaverde:

Upon completion of a well capable of producing unitized substances from formations lying below the base of the Mesaverde in paying quantities, or as soon thereafter as required by the Supervisor and Commissioner, the Unit Operator shall submit for approval by the Director, the Commissioner, and the Commission, 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 Director, the Commissioner, and the Commission to constitute a participating area, effective as of the date of first production on or after the effective date of this unit agreement. 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 Director, the Commissioner, and the Commission. 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 and the percentage of allocation shall also be revised accordingly. The effective date of any revision shall be the first of the month in which is obtained the knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule. 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 Director, the Commissioner, and the Commission 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 thereby may be impounded in a manner mutually acceptable to the owners of working interests, except royalties due the United States and the State of New Mexico, which shall be determined by the Supervisor and the Commissioner and the amount thereof deposited as directed by the Supervisor and the Commissioner, respectively, 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 and State 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, the Commissioner as to wells on State land, and the Commission as to patented land, that a well drilled under this agreement 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 Supervisor and Commissioner, 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, overriding royalty, or payment out of production obligations of the respective working interest owners, 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 of 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, the Commissioner as to State land and 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 90 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 the State of New Mexico 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 re-pressuring, stimulation of production, or increasing ultimate recovery, which shall be in conformity with a plan first approved by the Supervisor and Commissioner, 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 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 State and 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.

Rentals on State of New Mexico lands subject to this agreement shall be paid at the rates specified in the respective leases, or may be reduced or suspended upon the order of the Commissioner pursuant to applicable laws and regulations.

With respect to any lease on non-Federal land 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, or pursuant to applicable regulations pay a fair and reasonable compensatory royalty as determined by the Supervisor for Federal lands or as approved by the Commissioner for State lands.

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 as to Federal leases and the Commissioner as to State leases shall and each 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 and State 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) and the Commissioner 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, 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 (20) 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 land remains committed hereto, provided unitized substances are discovered in paying quantities within the unit area prior to the expiration date of the primary 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 is herein extended.

(g) Any lease having only a portion of its lands committed hereto shall be segregated as to the portion committed and the portion not committed and the terms of such lease shall apply separately to such segregated portions commencing as of the effective date hereof. In the event any such lease provides for a lump sum rental payment, such payment shall be prorated between the portions so segregated in proportion to the acreage of the respective tracts.

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 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 upon approval by the Secretary or his duly authorized representative and shall remain in effect so long 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 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 75 per centum, on an acreage basis, of the owners of working interests signatory hereto, with the approval of the Director and Commissioner; notice of any such approval to be given by the Unit Operator to all parties hereto.

21. Rate of prospecting, development, and production.

All 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 land of the State of New Mexico as to the rate of prospecting and development in the absence of the specific written approval thereof by the Commissioner and as to any lands of the State of New Mexico or 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 15 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 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 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.

The 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.

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, 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 and State land or leases, no payments of funds due the United States or the State of New Mexico should be withheld, but such funds of the United States shall be deposited as directed by the Supervisor, and such funds of the State shall be deposited as directed by the Commissioner, 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, the Commissioner 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. After operations are commenced hereunder, the right of 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. Prior to final approval hereof, joinder by any owner of a non-working interest 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 and Commissioner 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 60 days by the Director or Commissioner.

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.

31. Surrender.

Nothing in this agreement shall prohibit the exercise by any working interest owner of the right to surrender vested in such party in any lease, sub-lease, or operating agreement as to all or any part of the lands covered thereby, provided that each party who will or might acquire such working interest by such surrender or by forfeiture as hereafter set forth, is bound by the terms of this agreement.

If as a result of any such surrender, the working interest rights as to such lands become vested in any party other than the fee owner of the unitized substances said party shall forfeit such rights and no further benefits from operations hereunder as to said land shall accrue to such party, unless within ninety (90) days thereafter said party shall execute this agreement and the unit operating agreement as to the working interest acquired through such surrender, effective as though such land had remained continuously subject to this agreement and the unit operating agreement. And in the event such agreements are not so executed, the party next in the chain of title shall be and become the owner of such working interest at the end of such ninety (90) day period, with the same force and effect as though such working interest had been surrendered to such party.

If as the result of any such surrender or forfeiture the working interest rights as to such lands become vested in the fee owner of the unitized substances, such owner may:

(1) Execute this agreement and the unit operating agreement as a working interest owner, effective as though such land had remained continuously subject to this agreement and the unit operating agreement.

(2) Again lease such lands but only under the condition that the holder of such lease shall within thirty (30) days after such lands are so leased execute this agreement and the unit operating agreement as to each participating area therefore established hereunder, effective as though such land had remained continuously subject to this agreement and the unit operating agreement.

(3) Operate or provide for the operation of such land independently of this agreement as to any part thereof or any oil or gas deposits therein not then included within a participating area.

If the fee owner of the unitized substances does not execute this agreement and the unit operating agreement as a working interest owner or again lease such lands as above provided with respect to each existing participating area, within six (6) months after any such surrender or forfeiture, such fee owner shall be deemed to have waived the right to execute the unit operating agreement or lease such lands as to each such participating area, and to have agreed, in consideration for the compensation hereinafter provided, that operations hereunder as to any such participating area or areas shall not be affected by such surrender.

For any period the working interest in any lands are not expressly committed to the unit operating agreement as the result of any such surrender or forfeiture, the benefits and obligations of operations accruing to such lands under this agreement and the unit operating agreement shall be shared by the remaining owners of unitized working interests in accordance with their respective participating working interest ownerships in any such participating area or areas, and such owners of working interest shall compensate the fee owner of unitized substances in such lands by paying sums equal to the rentals, minimum royalties, and royalties applicable to such lands under the lease in effect when the lands were unitized, as to such participating area or areas.

Upon commitment of a working interest to this agreement and the unit operating agreement as provided in this section, an appropriate accounting and settlement shall be made, to reflect the retroactive effect of the commitment, for all benefits accruing to or payments and expenditures made or incurred on behalf of such surrendered working interest during the period between the date of surrender and the date of recommitment, and payment of any moneys found to be owing by such an accountin

shall be made as between the parties then signatory to the unit operating agreement and this agreement within thirty (30) days after the recommitment. The right to become a party to this agreement and the unit operating agreement as a working interest owner by reason of a surrender or forfeiture as provided in this section shall not be defeated by the non-existence of a unit operating agreement and in the event no unit operating agreement is in existence and a mutually acceptable agreement between the proper parties thereto cannot be consummated, the Supervisor and Commissioner may prescribe such reasonable and equitable agreement as they deem warranted under the circumstances.

Nothing in this section shall be deemed to limit the right of joinder or subsequent joinder to this agreement as provided elsewhere in this agreement. The exercise of any right vested in a working interest owner to reassign such working interest to the party from whom obtained shall be subject to the same conditions as set forth in this section in regard to the exercise of a right to surrender.

UNIT OPERATOR AND WORKING INTEREST OWNER

EL PASO NATURAL GAS COMPANY

Date: 12-7-53

By: A. F. Stans
Vice President

Attest: A. C. Martch
Assistant Secretary

Address: P.O. Box 1492, El Paso, Texas

WORKING INTEREST OWNERS

PHILLIPS PETROLEUM COMPANY

ATTEST: R. E. Arnold
Assistant Secretary
Bartlesville, Oklahoma MAR 10 1954

By: H. E. Koopman
Vice President

SKELLY OIL COMPANY

ATTEST: M. A. Paulen
Assistant Secretary
Tulsa, Oklahoma MAR 9 1954

By: G. L. ...
Vice President

STANOLIND OIL AND GAS COMPANY

ATTEST: ... Young
Assistant Secretary
Stanolind Building
Tulsa, Oklahoma MAY 6 1954

By: Frank ...
Vice President

APPROVED
[Signature]

ATTEST:

W. H. McCreary
Assistant Secretary
Burt Building
Dallas, Texas
FEB 9 1954

ATTEST:

Margaret Cook
Assistant Secretary
Corrigan Tower
Dallas, Texas
FEB 10 1954

ATTEST:

Katherine Vaughn
Assistant Secretary
Corrigan Tower
Dallas, Texas
FEB 11 1954

ATTEST:

E. J. Neale
Assistant Secretary
Denver, Colorado
APR 23 1954

ATTEST:

Assistant Secretary
Houston, Texas

ATTEST:

Jack F. Shaw
Assistant Secretary
Box 1360
Albuquerque, New Mexico
FEB 25 1954

ATTEST:

Donald W. Wainwright
Assistant Secretary
Farmington, New Mexico
3/5/54

ATTEST:

Assistant Secretary
Address: _____

ATTEST:

Assistant Secretary
Address: _____

SOUTHERN UNION GAS COMPANY

By: J. C. Baird
Vice President

APPROV
Legal
Exec
Secy

THREE STATES NATURAL GAS COMPANY

By: M. H. Harman
Vice President

DELHI OIL CORPORATION

By: W. W. Newton
Vice President

THE BAY PETROLEUM CORPORATION

By: Leo P. Leabo
Vice President

APPROV
Legal
Auditor
Mgmt. Co
Treasurer

SAN JACINTO PETROLEUM CORPORATION

By: _____
Vice President

PUBCO DEVELOPMENT, INC.

By: Paul J. J. J.
Vice President

BOLACK OIL AND GAS COMPANY

By: Tom Bolack
Vice President

By: _____
Vice President

By: _____
Vice President

STATE OF Oklahoma)
COUNTY OF Tulsa)

On this 6th day of May , 1954, before me appeared Frank Lindeman, Jr. , to me personally known, who, being by me duly sworn, did say that he is the Vice President of STANWOOD OIL AND GAS COMPANY 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 Frank Lindeman, Jr. acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:
My Commission Expires October 4, 1955

Maxine M. Adams
Notary Public in and for
County, State of Oklahoma

STATE OF)
COUNTY OF)

On this _____ day of _____, 195____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ 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 _____ acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:

Notary Public in and for
County, State of _____

STATE OF)
COUNTY OF)

On this _____ day of _____, 195____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ 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 _____ acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:

Notary Public in and for
County, State of _____

STATE OF Colorado)
City & COUNTY OF Denver)

On this 23 day of April, 1954, before me appeared Les L. Decker, to me personally known, who, being by me duly sworn, did say that he is the Vice President of THE PAN 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 Les L. Decker acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:

My Commission expires Dec. 3, 1957

Maxwell J. Bergstrom
Notary Public in and for arapahoe
County, State of Colorado

STATE OF Oklahoma)
COUNTY OF Washington)

On this 10th day of March, 1954, before me appeared H. E. KOOPMAN, to me personally known, who, being by me duly sworn, did say that he is the Vice President of Phillips Petroleum Company 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. E. KOOPMAN acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:

AUG 1 1955

Martha R. Richard
Notary Public in and for Wash.
County, State of Okl.

STATE OF Oklahoma)
COUNTY OF Delaware)

On this 9th day of March, 1954, before me appeared H. L. CASHMAN, to me personally known, who, being by me duly sworn, did say that he is the Vice President of SEELY OIL COMPANY 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. L. CASHMAN acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:

HAZEL M. BRADY
Notary Public - Tulsa County, Oklahoma
My Commission Expires January 21, 1957

Hazel M. Brady
Notary Public in and for
County, State of

STATE OF Texas)
COUNTY OF Dallas)

On this 11th day of February, 1954, before me appeared W. W. Newton, to me personally known, who, being by me duly sworn, did say that he is the Vice President of Welchi Oil 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 W. W. Newton acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:
6-1-55

Carl F. McClellan
Notary Public in and for Dallas
County, State of Texas
CARL F. MCCLELLAN
Notary Public, Dallas County, Texas
My Commission Expires June 1, 1956

STATE OF New Mexico)
COUNTY OF Bernalillo)

On this 25th day of February, 1954, before me appeared Frank D. Besham Jr, to me personally known, who, being by me duly sworn, did say that he is the Vice President of Pecos Development, Inc 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 Frank D. Besham Jr acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:
My Commission Expires June 24, 1957

Mary Beth Dickerson
Notary Public in and for
County, State of

STATE OF New Mexico)
COUNTY OF San Juan)

On this 3rd day of March, 1957, before me appeared Tom Bolack, to me personally known, who, being by me duly sworn, did say that he is the - President of Bolack Oil & Gas Co 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 Tom Bolack acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:
My Commission Expires August 22, 1956

Anthony J. Villa
Notary Public in and for San Juan
County, State of New Mexico

STATE OF Texas)
COUNTY OF Dallas)

On this 10th day of February, 1954, before me appeared H. A. Gorman, to me personally known, who, being by me duly sworn, did say that he is the Vice President of Three Star Natural Gas Company 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. A. Gorman acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:

6-1-55

Marjorie R. Mundy
Notary Public in and for Dallas
County, State of Texas

MARJORIE R. MUNDY
Notary Public, Dallas County, Texas

STATE OF TEXAS)
COUNTY OF EL PASO)

On this 8 day of December, 1953, before me appeared N. F. STEEN, to me personally known, who, being by me duly sworn, did say that he is the Vice President of El Paso Natural Gas Company 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 N. F. STEEN acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:

Elsie M. Richardson
Notary Public in and for El Paso County, Texas
My commission expires June 1, 1955

Elsie M. Richardson
Notary Public in and for
County, State of

STATE OF Texas)
COUNTY OF Dallas)

On this 9th day of February, 1954, before me appeared J. C. Keith, to me personally known, who, being by me duly sworn, did say that he is the Vice President of Southern Union Gas Company 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 J. C. Keith acknowledged said instrument to be the free act and deed of said corporation.

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

My commission expires:

Ethel J. Kerr
Notary Public Dallas County, Texas
My Commission expires June 1, 1955

Ethel J. Kerr
Notary Public in and for Dallas
County, State of Texas

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operator Agreement or Assignment and Percentage of Interest
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FEDERAL LANDS

I. 29 N. R. 7 W.

1	Sec. 15: NW ¹ ; NE ¹ ; NW ¹ SE ¹ ; S ¹ SE ¹	520.00	S.F. 077842 2-1-48 5 yrs.	U.S.A. 12% All	W. P. Luse	William Mansfield Daniel P. Nolting Total	1.5% 1.5% 3.0%	Southern Union Gas Company
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2	Sec. 9: SE ¹ ; NW ¹ SE ¹ Sec. 10: SW ¹ ; NW ¹ SE ¹ Sec. 22: NW ¹ Sec. 23: W ¹ NW ¹	760.00	S.F. 078399 4-1-48 5 yrs.	U.S.A. 12% All	Morris Mitzel	J. A. Pierce Harry McKim Charles W. McCarty Total	3.0% 1.5% .5% 5.0%	Gas Rights El Paso Natural Gas Company Oil Rights Morris Mitzel
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3	Sec. 8: All Sec. 9: S ¹ SW ¹ ; NW ¹ SW ¹ ; SW ¹ NW ¹ ; E ¹ NE ¹ ; NW ¹ NE ¹ ; NW ¹ ; NE ¹ NE ¹ ; NW ¹ SW ¹ ; SE ¹ NE ¹ ; S ¹ SE ¹ ; NE ¹ SE ¹ Sec. 11: NW ¹ ; NE ¹ NE ¹ ; NW ¹ SW ¹ ; SE ¹ NE ¹ ; S ¹ SE ¹ ; NE ¹ SE ¹ Sec. 13: NW ¹ ; NE ¹ SW ¹ ; SE ¹ SW ¹ ; SW ¹ SE ¹ Sec. 14: NW ¹ SW ¹ Sec. 17: All	2400.00	S.F. 078423 2-1-48 5 yrs.	U.S.A. 12% All	John C. Dawson	Albuquerque Assoc. Oil Company R. H. Ernest C. A. McAdams A. W. Butter John C. Dawson Total Western Natural Gas Co. -- Per assignment of oil and gas operating rights on April 22, 1953 between Western Natural Gas Co. and Southern Union Gas Company	1.75% .25% .75% .25% 1.00% 4.00%	Southern Union Gas Company
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June 7, 1954

Page
Working Interest Owner Ur
Option Agreement, Operati
Agreement or Assignment
Percentage of Interest

FEDERAL LANDS (Continued)
T. 29 N., R. 7 W.

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Ur Option Agreement, Operati Agreement or Assignment Percentage of Interest
4	Sec. 20: All	2160.00	S.F. 078424 3-1-51 5 yrs.	U.S.A. 12% All	W. O. Huggins, Jr.	Albuquerque Assoc. Oil Company R. H. Ernest C. A. McAdams A. W. Rutter W. O. Huggins, Jr. Total Western Natural Gas Co. -- Per assignment of oil and gas operating rights on April 22, 1953 between Western Natural Gas Co. and Southern Union Gas Company	Southern Union Gas Company
	Sec. 21: All						
	Sec. 22: SE $\frac{1}{4}$						
	Sec. 23: NW $\frac{1}{4}$ SW $\frac{1}{4}$; E $\frac{1}{2}$ SE $\frac{1}{4}$						
	Sec. 24: SW $\frac{1}{4}$						
	Sec. 26: NE $\frac{1}{4}$ NE $\frac{1}{4}$						
	Sec. 27: NE $\frac{1}{4}$						
	Sec. 28: E $\frac{1}{2}$ NE $\frac{1}{4}$						
5	Sec. 24: SE $\frac{1}{4}$	160.00	S.F. 078424-A 3-1-51 5 yrs.	U.S.A. 12% All	Claude A. Teel	Albuquerque Assoc. Oil Company	Skelly Oil Company
6	Sec. 22: SW $\frac{1}{4}$	160.00	S.F. 078424-B 3-1-51 5 yrs.	U.S.A. 12% All	Claude A. Teel	Ben Dansby, Jr.	5.00% Skelly Oil Company

June 7, 1954

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Ur Option Agreement, Operati Agreement or Assignment a Percentage of Interest
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FEDERAL LANDS (Continued)
I. 29 N., R. 7 W.

7	Sec. 25: All 3/4 SE 1/4 SW 1/4 NW 1/4	2080.00	S.F. 078425 3-1-51 5 yrs.	U.S.A. 12 1/2% All	W. O. Huggins, Jr.	Albuquerque Assoc. Oil Company R. H. Ernest C. A. McAdams A. W. Rutter W. O. Huggins, Jr. Total Western Natural Gas Co. -- Per assignment of oil and gas operating rights on April 22, 1953 between Western Natural Gas Co. and Southern Union Gas Company	Southern Union Gas Company 1.75% .25% .75% .25% 1.00% 4.00%
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8	Sec. 35: NW 1/4	160.00	S.F. 078425-A 3-1-51 5 yrs.	U.S.A. 12 1/2% All	Claude A. Teel	Ben Dansby, Jr.	5.00% Skelly Oil Company
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9	Sec. 19: Lots 5, 6, 7 & 8; E 1/2 NW 1/4	1970.04	S.F. 078503 2-1-48 5 yrs.	U.S.A. 12 1/2% All	Three States Natural Gas Company	I. J. Marshall Leo R. Manning Ernest A. Hanson Olen F. Featherstone Total	1.33% To base of Mesaverde .50% formation: .83% El Paso Natural Gas Company .33% Below Mesaverde formation: Three States Natural Gas Company
	Sec. 28: SW 1/4 SW 1/4						
	Sec. 29: SE 1/4; W 1/2						
	Sec. 30: E 1/2						
	Sec. 31: Lots 5, 6, 7, 8; E 1/2 NW 1/4						
	Sec. 33: E 1/2 (All) W 1/2						

June 7, 1954

Working Interest Owner
 Option Agreement, Operat
 Percentage of Interest

Tract No. Description No. of Acres Serial No. and Lease Date Land Owner Percentage of Royalty or Application Record Owner of Lease Overriding Royalty Owner and Percentage

FEDERAL LANDS (Continued)
 I. 29 N. R. 7 W.

10 Sec. 19: E½ 320.00 S.F. 078503-A U.S.A. 2-1-48 12½% All Wm. B. Hardie
 Ernest A. Hanson 1.33333% To base of Mesaverde
 Olen F. Featherstone .83334% formation:
 Leo R. Manning .50000% El Paso Natural Gas
 Thornton Hardie .25000% Company
 A. R. Grambling .25000% Below base of Mesaverde
 Ben R. Howell .25000% formation:
 Wm. B. Hardie .10000% Gas Rights
 John A. Grambling .10000% El Paso Natural Gas
 R. H. Feuille .05000% Company
 Total 4.00000% San Jacinto Petroleum Corporation
 Oil Rights
 El Paso Natural Gas Company
 San Jacinto Petroleum Corporation

10a Sec. 30: Lots 5, 6, 7, & 8; E½ 246.88 S.F. 078503-A U.S.A. 2-1-48 12½% All Wm. B. Hardie
 Ernest A. Hanson 1.33333% To base of Mesaverde
 Olen F. Featherstone .83334% formation:
 Leo R. Manning .50000% Gas Rights
 Thornton Hardie .25000% El Paso Natural Gas
 A. R. Grambling .25000% Company
 Ben R. Howell .25000% D. H. Bolin
 Wm. B. Hardie .10000% Oil Rights
 John A. Grambling .10000% El Paso Natural Gas
 R. H. Feuille .05000% Company
 Total 4.00000% Below base of Mesaverde formation:
 Gas Rights
 El Paso Natural Gas Co.
 San Jacinto Petroleum Corporation
 Oil Rights
 El Paso Natural Gas Co.
 San Jacinto Petroleum Corporation

June 7, 1954

Working Interest Owner Un
Option Agreement, Operati
Agreement or Assignment a
Percentage of Interest

Tract No. Description No. of Acres Serial No. and Lease Date Land Owner Percentage of Royalty Record Owner of Lease or Application Overriding Royalty Owner and Percentage

FEDERAL LANDS (Continued)
T. 29 N., R. 7 W.

11	Sec. 3: SW $\frac{1}{4}$ Sec. 4: S $\frac{1}{2}$ Sec. 12: NW $\frac{1}{4}$; E $\frac{1}{2}$ SW $\frac{1}{4}$	720.00	S.F. 078919 8-1-48 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Morris Mizel	Southland Royalty Company J. A. Pierce Harry McKim Charles W. McCarty Total	1.5% 1.5% 1.5% .5% 5.0%	Gas Rights El Paso Natural Gas Company Oil Rights Morris Mizel	A A A
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12	Sec. 6: Lots 8,9,10,11, 1076.87 12,13,14; SE $\frac{1}{4}$ NW $\frac{1}{4}$; E $\frac{1}{2}$ SW $\frac{1}{4}$; S $\frac{1}{2}$ NE $\frac{1}{4}$; SE $\frac{1}{4}$ (All)		S.F. 078943 3-1-48 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Skelly Oil Company	J. F. Hickman Alton H. Clark Total	3.75% 1.25% 5.00%	Skelly Oil Company	/
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13	Sec. 1: All Sec. 3: Lots 5,6,7, & 8; S $\frac{1}{2}$ N $\frac{1}{2}$ Sec. 4: Lots 5,6,7, & 8; S $\frac{1}{2}$ N $\frac{1}{2}$ Sec. 12: W $\frac{1}{2}$ E $\frac{1}{2}$; NE $\frac{1}{4}$ NE $\frac{1}{4}$ Lots 5 & 6; Sec. 18: NE $\frac{1}{4}$; E $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 27: N $\frac{1}{2}$ SE $\frac{1}{4}$; SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28: NW $\frac{1}{4}$; W $\frac{1}{2}$ NE $\frac{1}{4}$; SE $\frac{1}{4}$; N $\frac{1}{2}$ SW $\frac{1}{4}$; SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29: NE $\frac{1}{4}$	2543.15	S.F. 078945 2-1-48 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Robt. Storey, Jr.	John C. Daum Earl H. Schmidt E. W. Ingram Jack Neveleff Johnston Oil & Gas Company Wm. G. Johnston Dan W. Johnston R. E. Beamon Alma Mae Beamon Robt. Storey, Jr. to be reduced to 0.50% upon payment of \$25.00 per acre	2.50000% .06144% .02458% .12288% 1.7892% .17892% .10000% .22217% .11109% 1.00000%	To base of Mesaverde formation; Gas Rights El Paso Natural Gas Company Oil Rights Delhi Oil Corporation Below base of Mesaverde formation; Delhi Oil Corporation	/
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Total							4.50000%		
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June 7, 1954

Tract No.	Description	No. of Acres	Serial No. and Lease Date	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
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FEDERAL LANDS (Continued)

T. 29 N., R. 7 W.

14	Sec. 5; Lots 7 & 8; SW $\frac{1}{4}$; NW $\frac{1}{4}$; SW $\frac{1}{4}$	315.10	S.F. 078951 2-1-48 5 yrs.	U.S.A. 12%	Willie G. Hodges	Olen F. Featherstone Ernest A. Hanson L. B. Hodges Thornton Hardie A. R. Grambling Ben R. Howell Wm. B. Hardie John A. Grambling R. H. Feuille Total	2.25% To base of Mesaverde formation; 2.25% formation; .50% Gas Rights .25% EI Paso Natural Gas .25% Company .25% D. H. Bolln .10% Oil Rights .10% EI Paso Natural Gas .05% Company 6.00% Below base of Mesaverde formation; EI Paso Natural Gas Company	1/1
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14a	Sec. 5: Lots 5 & 6; SW $\frac{1}{4}$; NE $\frac{1}{4}$; SE $\frac{1}{4}$ Sec. 9: SW $\frac{1}{4}$; NE $\frac{1}{4}$	355.94	S.F. 078951 2-1-48 5 yrs.	U.S.A. 12%	Willie G. Hodges	Olen F. Featherstone Ernest A. Hanson L. B. Hodges Thornton Hardie A. R. Grambling Ben R. Howell Wm. B. Hardie John A. Grambling R. H. Feuille Total	2.25% EI Paso Natural Gas 2.25% Company .50% .25% .25% .25% .25% .10% .10% .05% 6.00%	AI
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15	Sec. 12: NW $\frac{1}{4}$; SW $\frac{1}{4}$ Sec. 13: SW $\frac{1}{4}$; SW $\frac{1}{4}$	120.00	S.F. 079514 10-1-49 5 yrs.	U.S.A. 12%	R. W. Bolack	None	R. W. Bolack	AI
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June 7, 1954

Page 1

Working Interest Owner Under
Option Agreement, Operating
Agreement or Assignment and
Percentage of Interest

FEDERAL LANDS (Continued)
I. 29 N. R. 7 W.

Tract No.	Description	No. of Acres	Serial No. and Lease Date	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
15a	Sec. 3: SE ₁ Sec. 10: NW ₁ Sec. 13: SW ₁ NE ₁ NW ₁ NE ₁ NE ₁ SE ₁	520.00	S.F. 079614 10-1-49 5 yrs.	U.S.A. 12%	R. W. Bolack	Tom Bolack	To base of Mesaverde formation: El Paso Natural Gas Company Tom Bolack Below base of Mesaverde formation: Tom Bolack
15b	Sec. 18: Lots 7 & 8; SE ₁ E ₁ SW ₁ E ₁	596.92	S.F. 079614 10-1-49 5 yrs.	U.S.A. 12%	R. W. Bolack	Tom Bolack	El Paso Natural Gas Company Tom Bolack
16	Sec. 26: SE ₁ NE ₁	40.00	UNLEASED				
17	Sec. 10: NE ₁	160.00	N.M. 03600 2-1-48 5 yrs.	U.S.A. 12%	Claude A. Teel	Albuquerque Assoc. Oil Company	Skelly Oil Company
18	Sec. 14: NE ₁	160.00	N.M. 06219 5-1-51 5 yrs.	U.S.A. 12%	Tom Bolack	None	Tom Bolack

22 Federal Tracts - 17,543.90 acres or 77.972% of Unit Area.

June 7, 1954

Page

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Option Agreement, Operat Agreement or Assignment Percentage of Interest
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STATE LANDS
T. 29 N., R. 7 W.

19	Sec. 2: Lots 5, 6, 7 & 8	156.24	E-289-23 5-2-45 10 yrs.	State of New Mexico 12% All	Phillips Petroleum Company	\$500.00 per acre out of 5% of production to Levi A. Hughes	Phillips Petroleum Company
20	Sec. 32: N $\frac{1}{2}$ S $\frac{1}{2}$ W $\frac{1}{2}$	40.00	E-3642-11 6-14-50 10 yrs.	State of New Mexico 12% All	Bojack Oil and Gas Company	Joseph C. Bergere	Bojack Oil and Gas Company
21	Sec. 36: All	640.00	E-5111-4 4-4-51 10 yrs.	State of New Mexico 12% All	El Paso Natural Gas Company	Glenn S. Gilmore	El Paso Natural Gas Company
22	Sec. 2: S $\frac{1}{2}$ N $\frac{1}{2}$	160.00	E-5184-11 4-9-51 10 yrs.	State of New Mexico 12% All	Pubco Development Company	Rose F. Wilson J. J. Bonke Total	Pubco Development Company
23	Sec. 16: All	640.00	B-10037-40 1-12-43 10 yrs.	State of New Mexico 12% All	Southern Union Gas Company	Edward Henry Anderson, executor of the estate of Charlie G. Anderson, and Grace Hoxsey	Southern Union Gas Company
24	Sec. 32: S $\frac{1}{2}$ N $\frac{1}{2}$ W $\frac{1}{2}$	80.00	B-10037-41 1-12-43 10 yrs.	State of New Mexico 12% All	Southern Union Gas Company	Grace Hoxsey	Southern Union Gas Company
25	Sec. 32: SE $\frac{1}{4}$ N $\frac{1}{2}$ E $\frac{1}{2}$; NE $\frac{1}{4}$ N $\frac{1}{2}$ W $\frac{1}{2}$	80.00	B-10037-42 1-12-43 10 yrs.	State of New Mexico 12% All	Southern Union Gas Company	Hoyt E. Buttolph	Southern Union Gas Company
26	Sec. 32: N $\frac{1}{2}$ SE $\frac{1}{4}$	80.00	B-10037-43 1-12-43 10 yrs.	State of New Mexico 12% All	Southern Union Gas Company	W. C. Wright	Southern Union Gas Company

June 7, 1954

Page 1

Working Interest Owner
Option Agreement, Opera
Agreement or Assignment
Percentage of Interest

Tract No. **Description**

STATE LANDS (Continued)
I. 29 N. 1. R. 7 W.

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Option Agreement, Opera Agreement or Assignment Percentage of Interest
27	Sec. 32: S $\frac{1}{2}$ SW $\frac{1}{4}$	80.00	B-10037-44 1-12-43 10 yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Southern Union Gas Company	Omer B. Wright	7.50% Southern Union Gas Company
28	Sec. 32: NE $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	B-10037-45 1-12-43 10 yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Southern Union Gas Company	Harry Duffe	7.50% Southern Union Gas Company
29	Sec. 32: NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$	80.00	B-10037-46 1-12-43 10 yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Southern Union Gas Company	R. W. Warner	7.50% Southern Union Gas Company
30	Sec. 32: NW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	B-10037-47 1-12-43 10 yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Southern Union Gas Company	Henry R. Schaefer	7.50% Southern Union Gas Company
31	Sec. 32: NW $\frac{1}{4}$ NW $\frac{1}{4}$	40.00	B-10037-48 1-12-43 10 yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	El Paso Natural Gas Company	E. H. Elsmar	5.00% El Paso Natural Gas Company
32	Sec. 32: S $\frac{1}{2}$ SE $\frac{1}{4}$	80.00	B-10037-51 1-12-43 10 yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Southern Union Gas Company	C. D. Stoops	5.00% Southern Union Gas Company
33	Sec. 2: S $\frac{1}{2}$	320.00	B-10037-55 1-12-43 10 yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	The Bay Petroleum Corporation	Catherine Kautz Clara M. Allen Total	2.50% The Bay Petroleum Corporation 2.50% After Payout of Product 5.00% The Bay Petroleum Corporation Leo R. Manning

15 State Tracts - 2,556.24 acres or 11.3610% of Unit Area.
June 7, 1954

Working Interest Owner Un-
Option Agreement, Operati-
Agreement or Assignment a
Percentage of Interest

Tract No. Description No. of Acres Serial No. and Lease Date Land Owner Percentage of Royalty Record Owner of Lease or Application Overriding Royalty Owner and Percentage

34 Sec. 9: N $\frac{1}{2}$ SW $\frac{1}{4}$; SE $\frac{1}{4}$ NW $\frac{1}{4}$; NE $\frac{1}{4}$ SW $\frac{1}{4}$ 160.00 5-2-52 5 yrs. Pablo Candalaria 12.5% J. A. Pierce and Balack Oil and Gas Company None J. A. Pierce Balack Oil and Gas Company

35 Sec. 10: S $\frac{1}{2}$ SE $\frac{1}{4}$; NE $\frac{1}{4}$ SE $\frac{1}{4}$ 200.00 2-1-48 10 yrs. Pearl Prehn 6.25% Stanlind Oil and Gas Company None Stanlind Oil and Gas Company

Sec. 11: SW $\frac{1}{4}$ SW $\frac{1}{4}$ 40 acres out of the N $\frac{1}{2}$ NE $\frac{1}{4}$ described as follows: Beginning at SE/C of NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24 - 29N - 7W; Thence West along S/div. line of N $\frac{1}{2}$ NE $\frac{1}{4}$ 562 yds.; Thence N/198 yds.; Thence in a straight line northeasterly to the NE/C of said NE $\frac{1}{4}$ NE $\frac{1}{4}$; Thence following the division line of said subdivision South to point of beginning and containing 40 acres, more or less.

35a Sec. 11: E $\frac{1}{2}$ SW $\frac{1}{4}$; NW $\frac{1}{4}$ SE $\frac{1}{4}$; SW $\frac{1}{4}$ NE $\frac{1}{4}$ 320.00 2-1-48 10 yrs. Pearl Prehn) Stanlind Oil and Gas Company 6.25%)

Sec. 24: S $\frac{1}{2}$ NW $\frac{1}{4}$ 10 yrs. Adolph Soens) 6.25%)

36 Sec. 12: E $\frac{1}{2}$ SE $\frac{1}{4}$; SE $\frac{1}{4}$ NE $\frac{1}{4}$; NE $\frac{1}{4}$ NE $\frac{1}{4}$ 160.00 10-19-49 10 yrs. Chas. W. McCarty) Southern Union Gas Company 2.5%)

Adolph Soens 6.2500%
Thos. N. Mandry 1.5625%
Forrest B. Miller 1.5625%
Total 12.5000%

Chas. L. Jenkins 2.5% Southern Union Gas Company
W. C. Neal 2.5%
Total 5.0%

* K. H. Ackerman is to receive one-half (1/2) of all proceeds derived from Pearl Prehn from production of oil and gas that may be discovered or produced within fifteen (15) years from January 2, 1947, and so long thereafter as production is obtained from said premises. Ackerman is not entitled to any monies received by Prehn as bonus or rental payment.

July 29, 1954

Tract No. Description No. of Acres Serial No. and Lease Date Land Owner Percentage of Royalty Record Owner of Lease or Application Overriding Royalty Owner and Percentage

PATENTED LANDS (Continued)
I. 29 N., R. 7 W.

37	Sec. 13: SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ except	120.00	12-18-47	10 yrs.	Pearl Prehn 6.25% *K. H. Ackerman 6.25%	Stanolind Oil and Gas Company	None	Stanolind Oil and Gas Company
40 acres described as follows: Beginning at SE/C of NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24 - 29N - 7W; Thence West along S/div. line of NE $\frac{1}{4}$ 562 yds.; Thence N/198 yds.; Thence in a straight line Northeastly to the NE/C of said NE $\frac{1}{4}$; Thence following the division line of said subdivision South to point of beginning and containing 40 acres, more or less.								
37a	Sec. 14: SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	12-18-47	10 yrs.	Pearl Prehn) 6.25%) Adolph Soens) 6.25%	Stanolind Oil and Gas Company	None	Stanolind Oil and Gas Company
37b	Sec. 23: E $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 24: NW $\frac{1}{4}$ NW $\frac{1}{4}$	120.00	12-18-47	10 yrs.	Pearl Prehn) 6.25%) Adolph Soens) 6.25%	Stanolind Oil and Gas Company	None	Stanolind Oil and Gas Company
38	Sec. 14: N $\frac{1}{2}$ SE $\frac{1}{4}$; SW $\frac{1}{4}$ SE $\frac{1}{4}$; **SE $\frac{1}{4}$ SW $\frac{1}{4}$	160.00	12-24-47	10 yrs.	Horace F. McKay, Jr. 12.5%	Stanolind Oil and Gas Company	None	Stanolind Oil and Gas Company

* Same as note on page 10 hereof.
** Subject to determination of title; Three States Natural Gas Company and San Jacinto Petroleum Corporation claim an interest in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14, Tract No. 38.
July 29, 1954

Pat
Working Interest Owner
Option Agreement, Opera
Agreement or Assignment
Percentage of Interest

PATENTED LANDS (Continued)
T. 29 N., R. 7 W.

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Option Agreement, Opera Agreement or Assignment Percentage of Interest
39	Sec. 14: N $\frac{1}{2}$ SW $\frac{1}{4}$; SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15: NE $\frac{1}{4}$ SE $\frac{1}{4}$	160.00	12-24-47 10 yrs.	Horace F. McKay, Jr. 12.5%	Stanlind Oil and Gas Company	None	Stanlind Oil and Gas Company
40	Sec. 14: S $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 15: S $\frac{1}{2}$ NE $\frac{1}{4}$	160.00	12-24-47 10 yrs.	Horace F. McKay, Jr. 12.5%	Stanlind Oil and Gas Company	None	Stanlind Oil and Gas Company
41	Sec. 23: E $\frac{1}{2}$ NW $\frac{1}{4}$; W $\frac{1}{2}$ NE $\frac{1}{4}$	160.00	7-10-51 5 yrs.	Erna Rex 12.5%	Stanlind Oil and Gas Company	None	Stanlind Oil and Gas Company
42	Sec. 23: E $\frac{1}{2}$ SW $\frac{1}{4}$; W $\frac{1}{2}$ SE $\frac{1}{4}$	160.00	3-12-52 5 yrs.	Adolph Soens and Juan I. Lopez 12.5%	Forrest B. Miller	None	Forrest B. Miller
43	Sec. 23: SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26: W $\frac{1}{2}$ NE $\frac{1}{4}$; SE $\frac{1}{4}$ NW $\frac{1}{4}$; NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27: S $\frac{1}{2}$ SW $\frac{1}{4}$; S $\frac{1}{2}$ SE $\frac{1}{4}$	480.00	3-8-48 10 yrs.	Juan I. Lopez 6.25000% A. L. Duff, Jr. 1.04167% C. A. McAdams 3.12498% Charles W. McCarty 1.04168% Forrest B. Miller 1.04167% Total 12.50000%	Stanlind Oil and Gas Company	None	Stanlind Oil and Gas Company

13 Patented Tracts - 2,400 Acres or 10.6666% of Unit Area.

June 7, 1954

RECAPITULATION

<u>LAND</u>	<u>ACRES IN UNIT</u>	<u>PERCENTAGE OF UNIT AREA</u>
Federal	17,543.90	77.972%
State	2,556.24	11.361%
Patented	<u>2,400.00</u>	<u>10.666%</u>
TOTAL OF UNIT AREA	22,500.14	100.000%

June 7, 1954